CITY OF REDLANDS

CITY COUNCIL

A G E N D A

FEBRUARY 20, 2024

EDDIE TEJEDA
Mayor

PAUL T. BARICH
Mayor Pro Tempore

DENISE DAVIS
Council Member

JENNA GUZMAN-LOWERY
Council Member

MARIO SAUCEDO
Council Member

***

JEANNE DONALDSON
City Clerk

PHILLIP DOOLITTLE
City Treasurer

CHARLES M. DUGGAN JR.
City Manager

YVETTE M. ABICH GARCIA
City Attorney

5:00 p.m. Open Public Meeting, Public Comment (Closed Session)
6:00 p.m. Open Session (Public Meeting)

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City Council Chambers
Civic Center, 35 Cajon Street, Redlands, California

A G E N D A

The following information comprises the agenda for the regular meeting of the City Council of the City of Redlands at the times noted below in the City Council Chambers, Civic Center, 35 Cajon Street, Redlands, California, on:

TUESDAY, FEBRUARY 20, 2024

To join via Zoom on a computer, laptop, or smart device
Please visit www.zoom.us, click on Join a Meeting
Enter the **Meeting ID 824 4618 0187**, then run the Zoom launcher
To join via Zoom with audio only (cell phone or landline):
Dial **1-877-853-5247**
Enter the **Meeting ID 824 4618 0187**

Should the City lose connectivity on Zoom, we will halt the meeting until it can be restored. To check on the status of remote connectivity in the event of an outage, go to the City's website at www.cityofredlands.org or to the City's Facebook page at @CityofRedlands or the Instagram page at @CityofRedlands_CityHall.

In the event the City cannot reestablish Zoom connectivity in a reasonable amount of time, the mayor will adjourn the meeting to a future date.

***PLEASE NOTE**:* Anyone desiring to speak on an agendized item at this meeting may do so during the consideration of that item. Due to time constraints and the number of persons who may wish to give oral testimony, public comments will be limited to three (3) minutes.

- **To provide comment while participating from Council Chambers:**
  - Although it is not required, speakers are encouraged to submit a "Speaker Sign Up Sheet" before the meeting is convened. Forms are available in the Office of the City Clerk or in Council Chambers.
  - After the meeting has convened, you may place the speaker form in the basket at the table along the north wall of the Chambers. Please do not disturb the City Clerk while the meeting is in progress.

- **To provide comment through Zoom (on a computer, laptop, or smart device)**:
  - Click the "Raise Hand" button and the moderator will unmute you when it is your turn to speak

- **To provide comment via audio only (cell phone or landline)**:
  - Dial *9 to "Raise Hand". The moderator will identify you by your area code and last 3 numbers of your telephone number when it is your turn to speak.



PLEASE SILENCE CELL PHONES, PAGERS AND OTHER ELECTRONIC COMMUNICATION DEVICES UPON ENTERING THE CHAMBERS

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5:00 P.M.

A. **Call City Council Meeting to Order.**

B. **Public Comment**
(Any person wishing to provide public comment on a closed session matter may do so at this time.)

C. **Recess City Council Meeting to a Closed Session**

1. Conference with legal counsel: Existing Litigation - Government Code §54956.9(d)(1)
(City Attorney Garcia)
Two Cases:

    1. Salcido v. City of Redlands, et al., San Bernardino Superior Court, Case No. CIVSB2218452

    2. Holzer v. City of Redlands, San Bernardino Superior Court, Case No. CIVSB2322787

6:00

D. **Reconvene City Council Meeting**

E. ***Invocation by Council Member Saucedo - Pledge of Allegiance***
(In keeping with long-standing traditions of legislative invocations, this City Council meeting may include a brief invocation. Such invocations are not intended to proselytize or advance any one, or to disparage any other, faith or belief. Neither the City nor the City Council endorses any particular religious belief or form of invocation.)

F. **Closed Session Report**
(No reportable action taken in closed session unless otherwise announced by the City Attorney at this time.)

G. **Public Comment - City Council**
(At this time, the City Council will provide an opportunity for the public to address them on any subject, within the jurisdiction of the City Council, which is not already scheduled on this agenda. However, any matter that requires action will be referred to staff for a report and possible action at a subsequent meeting. Comments will be limited to three {3} minutes.)

H. **Consent Calendar**
(The following routine items have been recommended for approval and will be acted upon simultaneously unless separate discussion and/or action is requested by a Councilmember or a member of the audience.)

1. Approve the regular meeting minutes of February 6, 2024, and the special meeting minutes of January 31, 2024 (City Clerk Donaldson)

2. Disclosure of Settlement Agreement and Release of All Claims - Julie Scates v. City of Redlands; San Bernardino County Superior Court Case No. CIVSB 2127794 (City Attorney Garcia)

Recycled Paper

3. Approve the Professional Services Agreement and Single Source Purchase Order with Carollo Engineers, Inc. to provide a condition assessment of the Mission Creek Zanja storm drain channel, from 1st Street to 9th Street, for an amount not-to-exceed $68,943, and determine that the services provided are exempt from environmental review pursuant to Section 15301 of the State's guidelines implementing the California Environmental Quality Act (Facilities and Community Services Director Crocker and City Attorney Garcia)

4. Approve the Agreement for Services with the Ecology Center to participate in their Market Match program to distribute nutrition incentives in the amount of $7,000, approve an additional appropriation of $8,500, and approve an in-kind services grant match of $11,966.51 (Facilities and Community Services Director Crocker)

5. Approve the request for in-kind support in the amount of $29,738 related to The Run Through Redlands event hosted by the Kiwanis Club of Redlands on March 3, 2024; temporary street closures related to the event, authorize the sale and consumption of alcoholic beverages at the event; and determine that the event is categorically exempt from environmental review pursuant to Section 15061 (b)(3) of the state's guidelines implementing the California Environmental Quality Act (Facilities and Community Services Department Director Crocker)

6. Approve the request for commercial vendors and the temporary closure of State Street for the Art-On-State-Street event on March 24, 2023, and determine that the event is categorically exempt from environmental review pursuant to Section 15311 of the State's guidelines implementing the California Environmental Quality Act (Facilities and Community Services Department Director Crocker)

7. Approve the in-kind support request of $5,734.00 from Kid's Cures Foundation, for the Downtown Redlands Artwalk to be held on March 17, 2024; approve a request to close East State and 5th Street; authorize the request for the sale and consumption of alcoholic beverages in Ed Hales Park; and determine that the approval of the request is exempt from environmental review pursuant to Section 15311(c) of the state's guidelines implementing the California Environmental Quality Act (Facilities and Community Services Department Crocker)

8. Approve the Grant Agreement with Larry Jacinto Construction, Inc. in the amount of $200,000 for the construction of a parking lot to serve the Zanja Trail; approve an additional appropriation of the same amount from the Downtown Parking Reserve, and determine that the granting of funds serves a public purpose (Facilities and Community Services Department Director Crocker)

9. Adopt Resolution No. 8561 designating an authorized representative to apply for the Department of Resources Recycling and Recovery grant program (Facilities and Community Services Department Director Crocker)

I. **Communications**

1. Presentation and acceptance of the 2022-23 City of Redlands Annual Comprehensive Financial Report, and the Independent Accountants' Report on Applying Agreed-Upon Procedures Related to the Article XIII-B Appropriations Limit Calculation (Management Services/Finance Director Garcia)

2. Annual Report of the Human Relations Commission by Commission Chair Ken Ford (Human Resources/Risk Management Director Meteau)

3. Annual Report of the Traffic and Parking Commission by Commissioner Eric Shamp (Municipal Utilities and Engineering Director Harris)

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4. Discussion and possible action relating to Cannabis Regulatory and Taxation Options (Development Services Director Desatnik)

J. **Public Hearings**

1. Public Hearing to consider Resolution Nos. 8548 and 8549, and determine that adoption of Resolution Nos. 8548 and 8549 are not subject to environmental review pursuant to Section 15061 (b)(3) of the California Environmental Quality Act.
(Mayor to declare the meeting open as a public hearing)

   a. Resolution No. 8548 - Calling a special election on the question of levying special taxes within the territory to be annexed to Community Facilities District No. 2004-1; and

   b. Resolution No. 8549 - Declaring results of the special election of Annexation No. 29 to Community Facilities District No. 2004-1

(Development Services Department Director Desatnik)

K. **New Business**

1. Consideration of a Public Works Construction Contract with Tryco General Engineering for the 2023 Citywide Sidewalk and ADA Ramp Replacement Project for an amount not-to-exceed $1,000,000, rejection of a bid protest, and determination that the Project is exempt from environmental review pursuant to Section 15301(c) of the State's guidelines implementing the California Environmental Quality Act (Municipal Utilities and Engineering Director Harris)

2. Consideration of the Professional Services Agreement and Sole Source Request for Landfill Gas Engineering Inc. for on-call engineering and support services for the wastewater treatment plant with an initial one (1) year term value not-to-exceed $215,000 with options to extend for two (2) additional years for a total amount not-to-exceed $645,000, and determine that this action is exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act (Municipal Utilities and Engineering Director Harris)

3. Consideration of an Agreement to sell 646 South Mountain Water Company shares to Yucaipa Valley Water District for $323,000 and determination that this action is exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act (Municipal Utilities and Engineering Director Harris)

4. Consideration of the Public Work Contract with Elegant Construction, Inc., for the Redlands Fire Station No.262 Remodel Project, for an amount not-to-exceed $2,160,000, and determination that the project is exempt from environmental review pursuant to Section 15301(d) of the State's guidelines implementing the California Environmental Quality Act (Assistant City Manager Boatman)

5. Consideration of the Intergovernmental/Piggy-back Cooperative Agreement with West Coast Arborists, Inc. and related Non-Professional Services for Improvement to Public Buildings and Grounds Agreement to provide tree maintenance and arboricultural services for a total amount not to exceed $3,600,000 (Facilities and Community Services Department Director Crocker)

L. **Individual Council Member Announcements and/or Reports on Activities**
(No collective discussion or action.)

M. **Adjournment**
The next regular meeting of the City Council will be held on March 5, 2024.

Recycled Paper

If you challenge any proposed development entitlement listed on this agenda in court, you may be limited to raising only those issues you or someone else raised at the public hearing described in this notice, or in written correspondence delivered to the City Council at or prior to this public hearing.

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact Goutam Dobey, of the Municipal Utilities and Engineering Department at (909) 798-7584 ext 2. Notification 48 hours prior to the meeting will enable the City to make reasonable arrangements to ensure accessibility to this meeting.

(28 CFR 35.102-35.104 ADA Title II)

Any writings or documents distributed to a majority of the City Council regarding an open session agenda item less than 72 hours before this meeting are available for public inspection at the City Clerk's Office or at the dais of the City Clerk once the open session begins.

Staff reports or other written documentation relating to items referred to on the agenda are available at the A. K. Smiley Public Library, 125 West Vine Street, Redlands, California, and on the City's website referenced below.

Regular meetings are televised live on Redlands TV Channel 3 (Spectrum) and Channel 35 (Frontier) and re-broadcast at 7:00 P.M. the following Wednesday, Friday and Sunday; and at 9:00 A.M. Thursday, Saturday and Monday. Meetings are also streamed live and archived for later viewing on demand on the City's website at www.cityofredlands.org. Agendas, staff reports and minutes of the City Council of the City of Redlands are available online at: www.cityofredlands.org.

Recycled Paper

City Council Meeting **H. 1.**

DATE: 02/20/2024

TO: Honorable Mayor and City Council Members

SUBJECT: Approve the regular meeting minutes of February 6, 2024, and the special meeting minutes of January 31, 2024 (City Clerk Donaldson)

MOTION:

I move to approve the regular meeting minutes of February 6, 2024, and the special meeting minutes of January 31, 2024.

Attachments

Regular meeting minutes of February 6, 2024

Special meeting minutes of January 31, 2024

MINUTES

Regular meeting of the City Council of the City of Redlands held in the Council Chambers, Civic Center, 35 Cajon Street, on February 6, 2024 at 5:00 P.M.

Present:	Eddie Tejeda, Mayor Paul Barich, Mayor Pro Tempore Denise Davis, Council Member Jenna Guzman-Lowery, Council Member Mario Saucedo, Council Member
Staff:	Charles M. Duggan, Jr., City Manager; Yvette M. Abich Garcia, City Attorney; Jeanne Donaldson, City Clerk; Phillip Doolittle, City Treasurer; Janice McConnell, Assistant City Manager; Chris Boatman, Assistant City Manager; Carl Baker, Public Information Officer; Danielle Garcia, Management Services/Finance Director; Brian Desatnik, Development Services Director; John Harris, Municipal Utilities and Engineering Director; Rich Sessler, Fire Chief; Rachel Tolber, Police Chief; Robert J. Meteau Jr., HR/Risk Management Director

Mayor Tejeda called the meeting to order and explained that comments could be presented in-person, via Zoom, via cell phone or landline. He offered the public an opportunity to provide comment on any item on the agenda for the closed session.

PUBLIC COMMENT

None forthcoming

CLOSED SESSION

Conference with legal counsel: Existing Litigation - Government Code §54956.9(d)(1)
(City Attorney Garcia)
Two Cases:

a. California Department of Housing and Community Development v. Shangri-la Industries, LLC, et al., Los Angeles Superior Court, Case No. 24STCV00629
b. City of Redlands v. Coyote Aviation, Inc., San Bernardino Superior Court, Case No. LLTVA2200544

Conference with real property negotiators - Government Code §54956.8
(Assistant City Manager Boatman)

Property:	APN 0292-063-38-0000; (former Goodnight Inn)
Agency Negotiators:	Charles M. Duggan, Jr., City Manager; Chris Boatman, Assistant City Manager
Negotiating Party:	Andrew Meyers Abdul-Wahab; 1675 Industrial Park, LP.
Under Negotiation:	Terms of payment and price for possible purchase of property by the City.

RECONVENE CITY COUNCIL MEETING

The meeting reconvened at 6:00 P.M. with an invocation by Council Member Guzman-Lowery. The Civil Air Patrol Color Guard presented the colors and lead the Pledge of Allegiance to the American flag.

CLOSED SESSION REPORT

City Attorney Garcia announced that no reportable action was taken during the closed session.

PRESENTATIONS

Redlands Pet Adoption

Animal Services Supervisor Jodi Kroeger and Kennel Attendant Hailey Stuck introduced “Owen Wilson”, an eleven-week-old male German Shepherd mix who is available for adoption, along with forty-three other dogs at the Redlands Animal Shelter. Ms. Kroeger informed the Council there had been three-hundred and four dogs and one-hundred and seventy-six cats adopted in 2023.

Black History Month Proclamation

Council Member Davis presented Black History Month proclamations to Jina Imani and Josiah Bruny, while Council Member Saucedo presented proclamations to Joe Richardson, and Pastors Dr. Jackie Green and Anthony Green. All the Council Members showed their support while declaring February as Black History Month, and it was noted that Ken Ford and Dawn Wright were unable to attend tonight's meeting.

Recognition of Eagle Scout Achievement

Council Member Saucedo presented a Certificate of Recognition to Esteban Matute for Eagle Scout ranking and acknowledged his great achievement.

PUBLIC COMMENT

Heavy Rains and Branding - Dennis Bell thanked staff for keeping the City safe during the last few days of heavy rainfall. He was disappointed with the survey questions being used to create new branding for Redlands, and he thought they were overly simplistic.

Air Quality - Julia Lenhardt, a climate scientist, said that the Inland Empire held the record of having the worst ozone pollution in the country, and she urged the Council to take a more proactive approach to the problem. Her action items included planting more trees and stop building warehouses.

CONSENT CALENDAR

Minutes

On motion of Mayor Pro Tempore Paul Barich, seconded by Council Member Jenna Guzman-Lowery, the City Council unanimously approved, by roll call vote, the regular meeting minutes of January 16, 2024, and the special meeting minutes of January 16, 2024.

Vote: 5 - 0 Passed

Black History Month Proclamation

On motion of Mayor Pro Tempore Paul Barich, seconded by Council Member Jenna Guzman-Lowery, the City Council unanimously approved, by roll call vote, the issuance of a Proclamation declaring the month of February to be Black History Month in the City of Redlands.

Vote: 5 - 0 Passed

Amending SCAG JPA Agreement

On motion of Mayor Pro Tempore Paul Barich, seconded by Council Member Jenna Guzman-Lowery, the City Council unanimously approved, by roll call vote, Amendment No. 4 to the San Bernardino Associated Governments Joint Powers Authority Agreement; and approved the incremental increase in member dues to $50,139.

Vote: 5 - 0 Passed

Resolution No. 8524 Destruction of Certain Public Records

On motion of Mayor Pro Tempore Paul Barich, seconded by Council Member Jenna Guzman-Lowery, the City Council unanimously adopted, by roll call vote, Resolution No. 8524 approving the destruction of certain public records in the City Manager's Office.

Vote: 5 - 0 Passed

Teamsters Local 1932 Side Letter

On motion of Mayor Pro Tempore Paul Barich, seconded by Council Member Jenna Guzman-Lowery, the City Council unanimously approved, by roll call vote, the Side Letter of Agreement between the City and Teamsters Local 1932 modifying language in Article 27 of the Memorandum of Understanding to clarify sick leave benefits at the time of retirement.

Vote: 5 - 0 Passed

2021 Homeland Security Grant Program Funding Award

On motion of Mayor Pro Tempore Paul Barich, seconded by Council Member Jenna Guzman-Lowery, the City Council unanimously approved, by roll call vote, to accept the 2021 Homeland Security Grant Program Funding award in the amount of $18,679 for the purchase of portable radios; and authorized an additional appropriation for the same amount.

Vote: 5 - 0 Passed

Police Dept Collision Writing Process - CAD Interface

On motion of Mayor Pro Tempore Paul Barich, seconded by Council Member Jenna Guzman-Lowery, the City Council unanimously approved, by roll call vote, the sole source purchases of the Collision Report Writer application from Crossroads Software in the amount of $39,900, and the Spillman Crossroads Accident Computer Aided Dispatch (CAD) Interface from Motorola Solutions in the amount of $37,612.23 for a total cost of $77,512.23.

Vote: 5 - 0 Passed

Provision of Temporary Shelter Beds for the Homeless

Staff requested this item be pulled from the agenda and it will be presented to the Council for consideration at a future meeting.

Laboratory Equipment Purchase

On motion of Mayor Pro Tempore Paul Barich, seconded by Council Member Jenna Guzman-Lowery, the City Council unanimously approved, by roll call vote, a $51,684.08 sole source purchase from Thermo Fisher Scientific, LLC for laboratory equipment.

Vote: 5 - 0 Passed

Wastewater Control Building Remodel Project Agreement

On motion of Mayor Pro Tempore Paul Barich, seconded by Council Member Jenna Guzman-Lowery, the City Council unanimously determined, by roll call vote, that approval of the Non-Professional Services Agreement with R&J Construction LLC is exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act; and approved a Non-Professional Services Agreement with R&J Construction LLC, in an amount not to exceed $70,000 for the Wastewater Control Building Remodel Project.

Vote: 5 - 0 Passed

California St and Redlands Blvd Intersection Widening Project

On motion of Mayor Pro Tempore Paul Barich, seconded by Council Member Jenna Guzman-Lowery, the City Council unanimously determined, by roll call vote, that approval of the Cooperative Agreement with the San Bernardino County Flood Control District and the Second Amendment to the Professional Services Agreement with CASC Engineering and Consulting, Inc. are exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act; approved the Cooperative Agreement with the San Bernardino County Flood Control District; and approved the Second Amendment to the Professional Services Agreement with CASC Engineering and Consulting, Inc. for the California Street and Redlands Boulevard Intersection Widening Project to extend the project completion to December 31, 2024, and increase the agreement amount by $162,415.

Vote: 5 - 0 Passed

D8 Dozer Equipment Rental Agreement

On motion of Mayor Pro Tempore Paul Barich, seconded by Council Member Jenna Guzman-Lowery, the City Council unanimously determined, by roll call vote, that approval of the rental agreement is exempt from the California Environmental Quality Act (CEQA) pursuant to Section 15061(b)(3) of the CEQA Guidelines; and approved the equipment lease with C5 Equipment Rentals for the 5-month rental of a D8 Dozer in the amount of $90,000, and approved a sole source purchase order.

Vote: 5 - 0 Passed

Sylvan Park BMX Pump Track Project Agreement

Assistant City Manager Boatman introduced a Professional Services Agreement with Community Works Design Group for the design of the City's Sylvan Park BMX Pump Track project for an amount not to exceed $99,279. Over the past several years, the Parks and Recreation Commission (PRC) has considered many potential projects and has developed a project priority list. The Commission determined that the addition of a BMX pump track at Sylvan Park, adjacent to the skate park, was their top priority project and on March 9, 2023, the Commission voted to recommend proceeding with design and allocating funds from the Nevada Palmetto Grove fund to fund the project. The recommendation was considered by City Council and on June 6, 2023, Council directed staff to solicit proposals for the design of a BMX Pump Track at Sylvan Park.

As public comment, Dennis Bell voiced concerns about staying within the budget, and he compared it to the over-budget skatepark project. Andy Hoder stated he thought this item should not have been on the Consent Calendar and said it deserved more attention and discussion. He added, he too, was worried about costs and urged the Council to conduct a cost/benefit study before approving the consulting agreement tonight. Assistant City Manager Boatman clarified the BMX Pump Track will be a completely separate facility from the skatepark. It will complement the skate park and provide an additional amenity and allow the City to utilize an underdeveloped portion of Sylvan Park just east of the current skatepark. Council Members requested staff provide the PRC's project priority list but, for the most part, were supportive of the BMX Pump Track.

On motion of Council Member Jenna Guzman-Lowery, seconded by Mayor Eddie Tejeda, the City Council unanimously determined, by roll call vote, that approval of a Professional Services Agreement with Community Works Design Group for the design of the City's Sylvan Park BMX Pump Track project is exempt from environmental review pursuant to Section 15301 of the State’s Guidelines Implementing the California Environmental Quality Act; approved an additional appropriation in the amount of $99,279 from the General Fund Public Benefit Parks and Recreation set aside; and approved the Professional Services Agreement with Community Works Design Group for the design of the City's Sylvan Park BMX Pump Track project for an amount not to exceed $99,279.

Vote: 5 - 0 Passed

Civil Air Patrol Facility Use Agreement

On motion of Mayor Pro Tempore Paul Barich, seconded by Council Member Jenna Guzman-Lowery, the City Council unanimously approved, by roll call vote, the Facility Use Agreement with Civil Air Patrol, Redlands Cadet Squadron 411 at the Redlands Municipal Airport for a period of 5 years.

Vote: 5 - 0 Passed

AARP Foundation Facility Use Agreement

On motion of Mayor Pro Tempore Paul Barich, seconded by Council Member Jenna Guzman-Lowery, the City Council unanimously determined, by roll call vote, that approval of the Facility Use Agreement with the AARP Foundation is exempt from environmental review pursuant to Section 15061 (b)(3) of the State's guidelines implementing the California Environmental Quality Act, and approved the Facility Use Agreement with the AARP Foundation for use of the Community Center and Joslyn Senior Center to provide tax assistance and a driver safety program to senior citizens.

Vote: 5 - 0 Passed

COMMUNICATIONS

Airport Advisory Board Annual Report

The Airport Advisory Board Annual Report was pulled from the agenda and will be presented to the Council at a future meeting.

Street Tree Committee Annual Report

Chairperson Christine Sedmack provided the Annual Report of the Street Tree Committee, touching on various accomplishments and activities of the Committee over the past year. These included the planting of 80 parkway trees on Riverview Drive in conjunction with Arbor Day, continued education materials included within the City's monthly utility bills, recommendations made to City staff on tree maintenance policies and procedures for tree removals, and the initiation of door hangers as a way to educate and alert homeowners and businesses concerning parkway trees. STC set goals to revise and update the City's Street Tree Policy and Protection Guidelines Manual, work with City leadership to increase the budget for street tree trimming, conduct arbor Day programs, continue education and outreach, and to improve the tree pruning cycles to reduce the interval between trimmings. Mayor Tejeda thanked Ms. Sedmack and all the commissioners for their passion and dedication to serve the City.

2024 League of California Cities Mayors and Council Members Academy Report

Council Member Saucedo attended the League of California Cities New Mayors and Council Member Academy held January 24-26, 2024, in Monterey. He reported on the organization's mission and goals and briefly described the intensive three-day conference. He highlighted the Leagues' various advocacy committees working to protect local agencies. He found the experience to be useful and informative.

Bicycle Rideshare Program

Facilities and Community Services Senior Manager Don Craw explained that at the direction of the City Council, staff performed surveys and conducted research on a few jurisdictions with a bike sharing program to obtain feedback on the implementation of similar programs within our city. The cities surveyed included Rialto, Riverside, Oakland and West Hollywood. Overall, the programs were positive and share similar goals that are intended to provide an affordable and convenient mode of travel for both residents and visitors. He highlighted meaningful data on each of the cities and concluded that 1) Community feedback has been favorable, underscoring their positive impact on urban well-being, connectivity, and environmental benefits; 2) Most programs involved some form of grant funding; 3) Programs employed diverse implementation strategies, including pilot projects and surveys, guided by community input on station placement and bike availability; 4) Docked systems were praised for promoting orderly use by requiring bikes to be returned to specific stations, while dock-less systems were appreciated for designated parking areas; 5) Challenges such as theft and vandalism were noted, yet these issues are common to all bike-share models.

As public comment, Cameron Heggi stated he was employed by DropMobility, the company that is currently working with the City of Rialto, supporting their pilot program. He encouraged the Council to pursue the project, and he offered that Redlands already had an established bike culture in the community, had nice, wide roads and reasonable speed limits. Andy Hoder thought the four cities presented did not represent Redlands well. He pointed out that from his own research, he discovered that these types of programs were not performing as expected, and he suggested more research was necessary. Council Members did raise questions but, overall, were pleased the project was moving forward and thanked staff for their concise and informative report. The Council were in agreement and recommended staff explore grant funding opportunities or partnerships and issue an RFP to enter into an agreement with a private company for a pilot program or short-termed agreement.

NEW BUSINESS

2024-2025 CDBG Program Proposed Projects

Mayor Pro Tem Barich and Council Member Guzman-Lowery recused themselves from this item due to a source of income with Citrus Counseling Services. Tricia Munoz, of Development Services, presented staff's recommendation for FY 2024-2025 Community Development Block Grant Program (CDBG) proposed project listing. Staff recommended funding the City CIP for the Redlands Senior Community Center Rehabilitation Project which includes a kitchen renovation comprised of installation of energy-efficient kitchen appliances, LED lighting upgrades and a flooring overhaul in the amount of $287,703.53. This includes $3,683.53 in unprogrammed funds from prior years allocations. The Center is also a cooling center, serves senior meals and this project will address compliance with the Americans with Disabilities Act requirements. Staff is also recommending six awards in the amount of $7,500, which meets the minimum funding award threshold, and one in the amount of $5,121 to Citrus Counseling Services as their funding request was only $5,364. Their services are eligible, align with the funding priorities of the City Council as well as with the CDBG National Objectives.

On motion of Council Member Denise Davis, seconded by Council Member Mario Saucedo, the City Council approved, by roll call vote, to direct staff to prepare the 2024-2025 Community Development Block Grant Program Cooperating City of Recommended Projects Form using the recommendation in this report and submit it to the County of San Bernardino Community Development and Housing Division prior to the February 13, 2024, deadline.

Vote: 3 - 0 Passed

Other: Mayor Pro Tempore Paul Barich (RECUSE)
Council Member Jenna Guzman-Lowery (RECUSE)

Contract Award 2023 Street Resurfacing Project

Municipal Utilities and Engineering Director Harris summarized the Public Work Contract with Matich Corporation for the Pavement Management Program (PMP) 2023 Street Resurfacing Project (Project). The Project includes resurfacing approximately twenty-five lane miles of streets, selective replacement of curb and gutter, and striping replacement. All known utility agencies operating within the City have been contacted to coordinate construction activities within the Project limits. The Fiscal Year 23/24 PARIS Project budget includes $4,000,000 for this project and approval of the Matich contract requires an additional appropriation of $381,606 from the PARIS Fund unassigned balance. The Project is scheduled to be completed within one hundred ten working days after the date of issuance of a Notice to Proceed to the Contractor.

On motion of Council Member Jenna Guzman-Lowery, seconded by Council Member Mario Saucedo, the City Council unanimously determined, by roll call vote, that approval of the contract and construction of the PMP 2023 Street Resurfacing Project is categorically exempt from environmental review in accordance with Section 15301 of the State's guidelines implementing the California Environmental Quality Act; approved the PMP 2023 Street Resurfacing Project Plans and Specifications, awarded a Public Work Contract to Matich Corporation for an amount not-to-exceed $4,381,606; and approved a $381,606 additional appropriation from the PARIS Fund.

Vote: 5 - 0 Passed

PO Modification Vehicle Lease and Maintenance Program

Assistant City Manager Boatman explained the need for a purchase order modification with Enterprise FM Trust for a vehicle lease and maintenance program for an amount not to exceed $1,878,305. During the 2023-24 Fiscal Year, more vehicles have become available, with a total of 72 vehicles scheduled to be delivered prior to June 2024. A purchase order modification is required to account for the lease, maintenance, and down payment amounts related to vehicles available for lease. He added the list of authorized signers requires updating for the Enterprise Fleet Management Program to include City Manager Duggan, Jr., Assistant City Manager Chris Boatman and Facilities and Community Services Director Tabitha Crocker.

On motion of Mayor Pro Tempore Paul Barich, seconded by Council Member Jenna Guzman-Lowery, the City Council unanimously approved, by roll call vote, a purchase order modification with Enterprise FM Trust for a vehicle lease and maintenance program for an amount not to exceed $1,878,305; and approved the list of authorized signers for the Enterprise Fleet Management Program.

Vote: 5 - 0 Passed

Assignment and Assumption Agreement Onsite Fleet Maintenance

Assistant City Manager Boatman reviewed the Assignment and Assumption Agreement between the City of Redlands, Southern California Fleet Services, Inc., and SVT Fleet, LLC, for Onsite Fleet Maintenance and Repair Services. So Cal Fleet notified the City that So Cal Fleet will be entering into an asset purchase agreement with SVT Fleet, LLC, a subsidiary of Velocity Vehicle Group, for the sale of Southern California Fleet Services / Fleet-Line Truck and Equipment Repair's assets, including the Agreement with the City of Redlands. The attached Assignment and Assumption agreement is an official request for the City to consent to Southern California Fleet Services Fleet-Line Truck and Equipment Repair to transfer the Agreement to SVT Fleet, LLC.

On motion of Council Member Jenna Guzman-Lowery, seconded by Mayor Pro Tempore Paul Barich, the City Council unanimously determined, by roll call vote, that approval of the Assignment and Assumption Agreement between the City of Redlands, Southern California Fleet Services, Inc., and SVT Fleet, LLC is exempt from the California Environmental Quality Act (CEQA) pursuant to Section 15061(b)(3) of the CEQA Guidelines; and approved the Assignment and Assumption Agreement between the City of Redlands, Southern California Fleet Services, Inc., and SVT Fleet, LLC, for Onsite Fleet Maintenance and Repair Services.

Vote: 5 - 0 Passed

Resolution No. 8547 Heavy-Duty Truck Repair Parts

Assistant City Manager Boatman provided details of Resolution No. 8547, amending Resolution No. 8331 and rescinding Resolution No. 8496, to approve the First Amendment to the Agreement with P & S Truck Center for heavy-duty truck repair parts, increasing the total compensation to an amount not-to-exceed $147,854. Furthermore, he discussed the Second Amendment to the Agreement with Ken Grody Ford for Ford Original Equipment Manufacturer (OEM) parts and repair services, increasing the total compensation to an amount not-to-exceed $524,242. As public comment, Bruce Laycook questioned why there was such a dramatic increase from when this item was first approved in July 2023. Assistant City Manager Boatman stated that funding for these services was included in the Equipment Maintenance Division's budget for Fiscal Year 2023-24 as approved by the City Council. Costs associated with any future renewal terms of the agreement will be included in subsequent budget requests prepared by the Department.

On motion of Council Member Jenna Guzman-Lowery, seconded by Mayor Pro Tempore Paul Barich, the City Council unanimously determined, by roll call vote, that the adoption of Resolution No. 8547 is exempt from environmental review pursuant to Section 15061 (b)(3) of the State's guidelines implementing the California Environmental Quality Act; adopted Resolution No. 8547, amending Resolution No. 8331 and rescinding Resolution No. 8496, to approve the First Amendment to the Agreement with P & S Truck Center for heavy-duty truck repair parts, increasing the total compensation to an amount not-to-exceed $147,854; and approved a Second Amendment to the Agreement with Ken Grody Ford for Ford Original Equipment Manufacturer (OEM) parts and repair services, increasing the total compensation to an amount not-to-exceed $524,242.

Vote: 5 - 0 Passed

Contract Award Citrus Center Building Roof Repairs Project

Assistant City Manager Boatman presented information related to the Public Work Contract with Superior Roofing Systems, Inc. for an amount not-to-exceed $260,925 for the Citrus Center Building Roof Repairs Project. City staff is actively working with Miller Architectural Corporation on the architectural plans and specifications to renovate the future home of City Hall, including structural retrofit of the building, updates to mechanical, electrical and plumbing systems, construction to accommodate the City departmental staff, and renovation of the roof. After reviewing the existing condition of the roof, staff determined that it was in the best interest of the City to address the leaks resulting from recent storms ahead of project schedule.

On motion of Council Member Jenna Guzman-Lowery, seconded by Council Member Denise Davis, the City Council unanimously determined, by roll call vote, that approval of a Public Work Contract with Superior Roofing Systems, Inc. for the Citrus Center Building Roof Repairs Project is exempt from environmental review pursuant to Section 15301(d) of the State's guidelines implementing the California Environmental Quality Act; approved an award of a Public Work Contract to Superior Roofing Systems, Inc. in the amount of $260,925 for the Citrus Center Building Roof Repairs Project; and approved an additional appropriation in the amount of $287,017.

Vote: 5 - 0 Passed

COUNCIL MEMBER ANNOUNCEMENTS AND ACTIVITIES

Mayor Tejeda attended an ANCA presentation held in December, participated in the Disaster Council and Planning Commission meetings and was honored to attend an event hosted by Redlands Sacred Heart School as they recognized the community's public servants. He met with owners of a proposed northside hotel development and participated in the Lincoln Pilgrimage event.

Mayor Pro Tem Barich participated in the Lincoln Pilgrimage event.

Council Member Davis enjoyed the 4th annual Black History Art Show at the Artlands, and she met with the Climate Policy Council.

Council Member Guzman-Lowery met with residents of Cypress Circle to discuss their concerns regarding trees and lighting and, on February 3, attended a program hosted by the American Association of University Women regarding Architecture and Advocacy.

Council Member Saucedo reminded everyone the Community Day of Service was scheduled for Saturday, March 9, 2024, and encouraged people to sign up on the City's website.

ADJOURNMENT

There being no further action required the meeting adjourned at 7:44 P.M. The next regular meeting of the City of Redlands City Council will be held on February 20, 2024.

MINUTES

Special meeting of the City Council of the City of Redlands held in the Council Chambers, Civic Center, 35 Cajon Street, on January 31, 2024 at 6:30 P.M.

Present: Eddie Tejeda, Mayor
Paul Barich, Mayor Pro Tempore
Denise Davis, Council Member
Jenna Guzman-Lowery, Council Member
Mario Saucedo, Council Member

Staff: Charles M. Duggan, Jr., City Manager; Yvette M. Abich Garcia, City Attorney; Jeanne Donaldson, City Clerk; Janice McConnell, Assistant City Manager; Chris Boatman, Assistant City Manager; Carl Baker, Public Information Officer; Danielle Garcia, Management Services/Finance Director; Brian Desatnik, Development Services Director; John Harris, Municipal Utilities and Engineering Director; Rich Sessler, Fire Chief; Rachel Tolber, Police Chief

Mayor Tejeda called the special meeting to order and explained that comments could be presented in-person, via Zoom, via cell phone or landline. He offered the public an opportunity to provide comment on any matter scheduled on this agenda or any matter within the jurisdiction of the City Council which is not already scheduled on this agenda.

PUBLIC COMMENT

None forthcoming

COMMUNICATIONS

Downtown Redlands Parking Study

Development Services Director Desatnik summarized the events leading to tonight's discussion of the Downtown Redlands Parking Study. Over the past decade, the City's downtown has continued to grow and thrive, with the surrounding core around State Street considered one of Redlands' greatest assets. Promoting in-fill and mixed-use development in the downtown, with the goal of enhancing a pedestrian-friendly, walkable urban core, is a central goal of the 2035 General Plan and Transit Villages Specific Plan. He offered details of the City's 2017 Parking Study, the findings and recommendations from the 2023 Walker Consultants study, the Traffic and Parking Commission (TPC) recommendations, and the Chamber of Commerce parking concerns and priorities. Lastly, he reviewed the action items recommended by staff to include: 1) Increase parking enforcement of timed-parking zones; 2) Implement safety improvements to Citrus garage and Centennial Plaza underground parking; 3) Lease SBCTA lot 4) Implement shuttle service from SBCTA lot and Stuart Avenue parking garage to other points downtown 5) Analyze redevelopment opportunities of the existing City Hall site; 6 Explore options for shuttle bus service from SBCTA lot to the Redlands Bowl.

Assistant City Manager Boatman added that SBCTA had agreed to license to the City the

vacant lot just south of the railroad tracks between 7th Street and 9th Street. The lot would be designed to provide 138 additional parking spaces during mall construction at a cost of approximately $500,000. The lot would include lighting, ADA accessibility, staff and shuttle pickup/drop-off areas. He also provided details of a downtown shuttle service and the consideration to incorporate the cost of the service in the 2024-26 budget.

As public comment, Cassie MacDuff thought one factor not being considered was people's preferences and that people do want to park on State Street where the street provides a beautiful setting with shade. She encouraged the Council to consider making Citrus Avenue a one-way street. Andy Hoder stated that parking meters would not be popular, and he raised questions about the value of a Parking Benefit program and listed safety concerns regarding the current state of the existing City Hall lot. Chamber of Commerce Executive Director Evan Sanford was grateful to have been a part of this ongoing conversation, and he highlighted the concerns and priorities of his members: a critical shortage of parking in downtown, loss of Mall parking will have a huge impact on downtown and the Redlands Bowl parking; no plan exists to deal with special event parking; existing City Hall site should be redeveloped into a large, 1000+ space parking structure; and they opposed a paid parking program. Bobby Garrity urged the Council to provide better infrastructure to promote more walking, cycling and the use of transit. Joshua Hall opposed a bicycle sharing program. Beverly Noerr, Executive Director of the Redlands Bowl Performing Arts, reminded the Council that culture plays a huge role towards improving the quality of life within the community and the Bowl events attract over 100,000 people annually. Brianna Egan said the city's downtown has become a popular destination, and she thought the City should encourage more walking and cycling and should explore a pricing strategy for paid parking instead of building more parking.

Council Members asked questions of staff and discussed at length their thoughts and perspectives, including, the importance of improving infrastructure for pedestrians and bicyclers, promoting accessibility for all, concerns related to the hot summer months and how that might impact pedestrians, support to pursue shared use agreements with private owners, and consideration of a shuttle service. It was agreed that parking was all about location, and they were in favor of a feasibility study to analyze redevelopment opportunities of the existing City Hall site.

On motion of Council Member Jenna Guzman-Lowery, seconded by Mayor Pro Tempore Paul Barich, the City Council unanimously approved, by roll call vote, to 1) Increase parking enforcement of timed-parking zones; 2) Implement safety improvements to Citrus garage and Centennial Plaza underground parking; 3) Analyze redevelopment opportunities of the existing City Hall site; 4) Lease the SBCTA lot at 7th Street and railroad tracks; and 5) Incorporate the cost of a downtown shuttle service in the draft 2024-26 budget request.

Vote: 5 - 0 Passed

City Council Projects Review

City Manager Duggan explained that since October 2021, periodic City Council workshops have been held to discuss and prioritize requested projects made by individual City Council members to the City Manager. This approach was taken to allow the City to better focus finite staff time on items the full Council wishes to pursue and in which order. He led the discussion, allowing for a brief description of each project. The projects listed included: tree lacing, feather flags, loitering ordinance, Orange Street widening, installation of temporary sidewalks where

needed, addressing blighted areas, beautification of Colton Avenue and Orange Street corridors; undergrounding powerlines, affordable housing and affordability programs. Mayor Tejeda pointed out that the projects he proposed were in direct response to his constituents in District 2. Council Member Saucedo added that projects should be considered on a citywide basis and not only one district.

As public comment, Joshua Hall supported affordable housing but worried the City might become much like San Bernardino and what he considered to be a ghetto. Andy Hoder offered his knowledge related to tree lacing and said that often a tree will look as if it won't survive, but it actually does come back. Rudi Whitmore expressed concerns about moving forward with a loitering ordinance and thought this type of ordinance could do more harm than good. Dan Jimenez supported undergrounding power lines, raised questions about the in-lieu fees offered to developers, and encouraged the Council to undertake beautification projects on the northside.

Council Members offered their perspectives, asked for clarification on certain items and ultimately designated numerical rankings for each project. The prioritization rankings will provide City Manager Duggan with necessary information to develop a working timeline as to when the projects will be brought back before the full Council.

Ranking	Projects	Timeline
0 = No Action	Loitering Ordinance	No Action
1 = High priority	Affordable Housing & Affordability programs	1 to 3 months
2 = Medium Priority	Install temporary sidewalks where needed; Address blighted areas/properties; Beautification of Colton Avenue and Orange Street corridors	3 to 6 months
3 = Low Priority	Tree lacing; Feather flags, Widening Orange Street; Undergrounding powerlines	6 to 9 months

ADJOURNMENT

There being no further action required the special meeting adjourned at 8:30 P.M.

City Council Meeting **H. 2.**

DATE: 02/20/2024

TO: Honorable Mayor and City Council Members

SUBJECT: Disclosure of Settlement Agreement and Release of All Claims - Julie Scates v. City of Redlands; San Bernardino County Superior Court Case No. CIVSB 2127794 (City Attorney Garcia)

DISCUSSION:

Attached is a copy of the "Settlement Agreement and Release of All Claims," which reflects the terms and conditions for settlement of the above-mentioned litigation as approved by the City Council and City Attorney. In accordance with the City's Municipal Code, and following the spirit of the Brown Act, this matter is on your agenda to notify the public of the settlement negotiated by the City.

SUBMITTED BY:
Yvette M. Abich Garcia, City Attorney

PREPARED BY:
Mayra Shushereba, Administrative Analyst

REVIEWED BY:
Charles M. Duggan, Jr., City Manager
Janice McConnel, Assistant City Manager
Danielle Garcia, Management Services/Finance Director

Attachments

A. Settlement Agreement

AGREEMENT OF SETTLEMENT AND GENERAL RELEASE

1. *PARTIES*: The parties to this Agreement of Settlement and General Release ("Agreement") are Julie Scates ("Plaintiff"), and City of Redlands ("Defendants").

2. *RECITALS*: This Agreement is made with reference to the following facts:

2.1 Certain disputes and controversies have arisen between the parties hereto.

2.2 Such disputes and controversies include, but are not limited to, the claims, demands and case or causes of action set forth by the parties hereto in a civil action pending in the San Bernardino County Superior Court and entitled Julie Scates v. City of Redlands, et al., Case No. CIVSB 2127794.

2.3 It is the intention of the parties hereto to settle and dispose of, fully and completely, any and all claims, demands and cause or causes of action existing as of the effective date of this agreement and arising out of, connected with, or incidental to the dealings between parties hereto to the effective date hereof including, without limitation on the generality of the foregoing, any and all claims, demands and cause or causes of action reflected in the civil action referenced in Paragraph 2.2 above.

3. *DISMISSAL*: Concurrently with the execution of this Agreement, Plaintiff shall dismiss, with prejudice, the civil action referenced in Paragraph 2.2 above, in exchange for the promises, covenants, conditions and payments set forth in Paragraph Four.

4. *PAYMENT*: Concurrently with the execution of this Agreement, Defendant shall pay to Plaintiff the aggregate sum of NINETY TWO THOUSAND FIVE HUNDRED Dollars ($92,500.00) in a check made payable to the Belgum, Fry & Van Allen LLP Client Trust Account for disbursement to Plaintiff and any lien holders. Each side shall bear their own fees and costs as part of this settlement.

5. *GENERAL RELEASE*: In consideration of the mutual general releases contained herein, and for other good and valuable consideration, the receipt of which is acknowledged by each party hereto, the parties promise, agree and generally release as follows:

5.1 Except as to such rights or claims as may be created by this Agreement, each party hereto hereby releases, remises and forever discharges each other party hereto from any and all claims, demands and cause or causes of action existing as of the effective date and arising out of, connected with or incidental to the dealings between the parties hereto prior to the effective date hereof including, without limitation on the generality of the foregoing, any and all claims, demands and cause or causes of action reflected in the civil action referenced in Paragraph 2.2 above.

5.2 Each party to this Agreement specifically waives the benefit of provisions of Section

1542 of the Civil Code of the State of California, as follows:

> A general release does not extend to claims which the creditor does not know or suspect to exist in his or her favor at the time of executing the release, which if known by him or her must have materially affected his or her settlement with the debtor.

6. *REPRESENTATIONS AND WARRANTIES*: Each of the parties to this Agreement represents and warrants to, and agrees with, each party hereto, as follows:

6.1 Each party has received independent legal advice from its attorneys with respect to the advisability of making the settlement provided for herein, with respect to the advisability of executing this Agreement, and with respect to the meaning of California Civil Code Section 1542.

6.2 No party (nor any officer, agent, employee, representative, or attorney of or for any party), has made any statement or representation or failed to make any statement or representation to any other party regarding any fact relied upon in entering into this Agreement, and each party does not rely upon any statement, representation, omission or promise of any other party (or of any officer, agent, employee, representative, or attorney of or for any party), in executing this Agreement, or in making the settlement provided for herein, except as expressly stated in this Agreement.

6.3 Each party to this Agreement has made such investigation of the facts pertaining to this settlement and this Agreement, and all the matters pertaining thereto, as it deems necessary.

6.4 Each party or responsible officer thereof has read this Agreement and understands the contents hereof. Each of the officers executing this Agreement on behalf of their respective corporations is empowered to do so and thereby binds such respective corporation.

6.5 In entering into this Agreement and the settlement provided for herein, each party assumes the risk of any misrepresentation, concealment or mistake. If any party should subsequently discover that any fact relied upon by it in entering into this Agreement was untrue, or that any fact was concealed from it, or that its understanding of the facts or of the law was incorrect, such party shall not be entitled to any relief in connection therewith including, without limitation on the generality of the foregoing, any alleged right or claim to set aside or rescind this Agreement. This Agreement is intended to be and is final and binding between the parties hereto, regardless of any claims of misrepresentation, promise made without the intention to perform, concealment of fact, mistake of fact or law, or of any other circumstance whatsoever.

6.6 Each party has not heretofore assigned, transferred, or granted, or purported to assign,

transfer, or grant, any of the claims, demands, and cause or causes of action disposed of by this Agreement.

6.7 Each term of this Agreement is contractual and not merely a recital.

6.8 Each party is aware that it may hereafter discover claims or facts in addition to or different from those it now knows or believes to be true with respect to the matters related herein. Nevertheless, it is the intention of the parties to fully, finally and forever to settle and release all such matters, and all claims relative thereto, which do now exist, may exist, or heretofore have existed between them. In furtherance of such intention, the releases given herein shall be and remain in effect as full and complete mutual releases of all such matters, notwithstanding the discovery of existence of any additional or different claims of facts relative thereto.

6.9 The parties will execute all such further and additional documents as shall be reasonable, convenient, necessary or desirable to carry out the provisions of this Agreement.

6.10 Plaintiff agrees to hold Defendant harmless from, and defend and indemnify Defendant from, the claims of any and all medical care providers and/or lienholders, including, but not limited to, Medicare or MediCal, providing medical services to Plaintiff as a result of the subject accident.

7. *SETTLEMENT*: This Agreement effects the settlement of claims which are denied and contested, and nothing contained herein shall be construed as an admission by any party hereto of any liability of any kind to any other party. Each of the parties hereto denies any liability in connection with any claim and intends hereby solely to avoid litigation and buy its peace.

8. *MISCELLANEOUS*:

8.1 This Agreement shall be deemed to have been executed and delivered within the State of California and the rights and obligations of the parties hereto shall be construed and enforced in accordance with, and governed by, the laws of the State of California.

8.2 This Agreement is the entire Agreement between the parties with respect to the subject matter hereof and supersedes all prior and contemporaneous oral and written agreements and discussions. This Agreement may be amended only by an agreement in writing, signed by the parties thereto.

8.3 This Agreement is binding upon and shall inure to the benefit of the parties hereto, their respective agents, employees, representatives, officers, directors, divisions, subsidiaries, affiliates, assigns, heirs, successors in interest and shareholders.

8.4 Each party has cooperated in the drafting and preparation of this Agreement. Hence,

in any construction to be made of this Agreement, the same shall not be construed against any party.

8.5 In the event of litigation relating to this Agreement, the prevailing party shall be entitled to attorney's fees and costs.

8.6 This Agreement may be executed in counterparts, and when each party has signed and delivered at least one such counterpart, each counterpart shall be deemed an original, and, when taken together with other signed counterparts, shall constitute one Agreement, which shall be binding upon and effective as to all parties.

8.7 The parties expressly agree that the Court shall retain jurisdiction over the terms of this settlement and shall specifically retain jurisdiction to entertain a motion to enforce the settlement should the need for such a motion arise.

This Agreement, consisting of four pages, is made and entered into on and as of 12/18/2023, in Redlands, California, and is effective as of this date.

DocuSigned by:
Julie Scates
JULIE SCATES, Plaintiff

CITY OF REDLANDS

BY: _____
EDDIE TEJEDA, Mayor

ATTEST

BY: _____
JEANNE DONALDSON, City Clerk

APPROVED AS TO FORM AND CONTENT:

Alan Carrico, Attorney for Plaintiff Julie Scates

Bruce E. Disenhouse, Attorney for Defendant City of Redlands

City Council Meeting **H. 3.**

DATE: 02/20/2024

TO: Honorable Mayor and City Council Members

SUBJECT: Approve the Professional Services Agreement and Single Source Purchase Order with Carollo Engineers, Inc. to provide a condition assessment of the Mission Creek Zanja storm drain channel, from 1st Street to 9th Street, for an amount not-to-exceed $68,943, and determine that the services provided are exempt from environmental review pursuant to Section 15301 of the State's guidelines implementing the California Environmental Quality Act (Facilities and Community Services Director Crocker and City Attorney Garcia)

MOTION(S):

If the City Council determines that staff's recommendation is appropriate, the following motions are provided:

1. I move that the City Council determine approval of the Professional Services Agreement with Carollo Engineers, Inc. is exempt from environmental review pursuant to Section 15301 of the State's guidelines implementing the California Environmental Quality Act; and

2. I move to approve the Professional Services Agreement and Single Source Purchase Order with Carollo Engineers, Inc. to provide engineering services for a condition assessment of the underground portion of the Mission Creek Zanja from 1st Street to 9th Street for an amount not-to-exceed $68,943.

RECOMMENDATION:

Staff recommends that the City Council approve the Professional Services Agreement and Single Source Purchase Order with Carollo Engineers, Inc. to provide engineering services for a condition assessment of the underground portion of the Mission Creek Zanja from 1st Street to 9th Street for an amount not-to-exceed $68,943, and determine that the services provided are exempt from environmental review pursuant to Section 15301 of the State's Guidelines

Implementing the California Environmental Quality Act.

DISCUSSION:

The City of Redlands Facilities and Community Services Department oversees and maintains approximately ninety miles of storm drain channels throughout the city. As part of preventative maintenance, staff perform regular inspections of the inlets, outlets, spillways, and channel walls. Upon the outcome of the inspections, from time to time, necessary repairs are warranted. Consequently, staff will seek the assistance from the City Attorney and outside professionals for recommendations and remediation work.

Carollo Engineers, Inc. recently performed work on the channel upstream and exhibited competency and professionalism throughout the course of previous projects. Carollo Engineers, Inc. also became very familiar with the infrastructure and layout of the channel while completing the previous services. For these reasons, Carollo Engineers, Inc. was contacted to perform an assessment of the portion of the channel, from 1st Street to 9th Street.

Based on their familiarity of the channel infrastructure and their expertise, staff recommends awarding a Single Source Purchase Order for the assessment of the Mission Creek Zanja Channel between 1st Street and 9th Street to Carollo Engineers, Inc. for an amount not to exceed $68,943.

Proposal Summary Report	
Consultant	
1. Carollo Engineers, Inc. Riverside CA	$68,943

Approval of the Professional Services Agreement and Single Source Purchase Order with Carollo is exempt from environmental review pursuant to Section 15301 of the State's guidelines implementing the California Environmental Quality Act pertaining to the maintenance of existing facilities.

ALTERNATIVES:

City Council may elect not to approve the Agreement and Single Source Purchase Order with Carollo Engineers, Inc. and direct staff accordingly.

STRATEGIC PLAN:

Not Applicable.

SUBMITTED BY:
Tabitha Crocker, Facilities and Community Services Department Director

RECOMMENDED BY:
Charles M. Duggan Jr., City Manager

REVIEWED BY:
Yvette M. Abich Garcia, City Attorney
Janice McConnell, Assistant City Manager
Christopher Boatman, Assistant City Manager
Danielle Garcia, Management Services/Finance Director
Dana Abramovitz-Daniel, Procurement Manager

PREPARED BY:
Erik Reeves, Field Services Superintendent

Fiscal Impact

Fiscal Year:	FY 23/24
Revenue Generating:	N
Appropriation Required Y/N:	N
Amount:	68,943.00
Budgeted Y/N:	Y
Account No.:	101304

Discussion:

Carollo Engineers, Inc. submitted a proposal for services in the amount of $68,943.00. There is sufficient funding within the City's Streets Division budget FY 2023/24, as approved by the City Council.

Attachments

Sole Source Request
Carollo Proposal
Carollo Agreement

Sole Source/ Single Source/ Standardization Form

For procurement of supplies, equipment and services valued at $5,000 and over

NOTE: Every question must be answered with appropriate documentation attached; incomplete forms will be immediately rejected by Purchasing.

Date: 11/21/23

TO: Purchasing Division

FROM: FCS, Erik Reeves

Purchase Requisition # 12400966

Estimated Total Cost: $ 68,943.00

Proposed Vendor: Carollo Engineers, Inc.

Request Term: 6 months

This form must accompany the purchase document whenever an exception to the competitive process is requested. Requests for goods and/or services from a specific vendor or limited to a specific brand, where substitutes to the recommended vendor or brand are unacceptable, must be accompanied by a written justification explaining the circumstances that make alternatives unacceptable.

The City Manager will determine whether the justification is appropriate. Requests for exception must be supported by factual statements that will pass an audit.

INSTRUCTIONS

1. Please check all applicable categories (a. through i.) below and provide additional information where indicated.

☐ a. The requested product is an integral repair part or accessory compatible with existing equipment.

Existing Equipment: _____

Manufacturer/Model Number: _____

Age: _____

Current Estimated Value: _____

☐ b. The requested product has unique design/performance specifications or quality requirements that are not available in comparable products.

☐ c. I have standardized the requested product and the use of another brand/model would require considerable time and funding to evaluate.

☐ d. The requested product is one in which I (and/or my staff) have specialized training and/or extensive expertise. Retraining would incur substantial cost in time and/or funding.

☐ e. The requested product is used or demonstration equipment available at a lower-than-new cost.

☐ f. Repair/Maintenance service is available only from manufacturer or designated service representative.

☐ g. Upgrade to or enhancement of existing software is available only from manufacturer.

☐ h. Service proposed by vendor is unique; therefore, competitive bids are not available or applicable.

■ i. Other factors (provide detailed explanation in #2 below).

2. Provide a detailed explanation and pertinent documentation *for each category* checked in item 1 above. Attach additional sheets if necessary:

Carollo Engineers, Inc. has historic knowledge and familiarity with the antiquated storm channel system, in particular this specific segment of the historic Mission Creek Zanja (MCZ), from previous work performed for the City, creating a time and cost savings for this project.

3. Was an evaluation of other equipment, products, or services performed?
   ☒ Yes ☐ No
   If yes, please explain the type of evaluation performed and provide all supporting documentation:

   Previous solicitation was performed by MUED, Carollo was uniquely qualified

4. List below the name of each individual who was involved in the evaluation, if conducted, and in making the recommendation to procure this product or service. Attach additional information, if necessary.
   Goutam Dobey John Harris Mike Foster

5. **Explain what action(s) the department would take if the sole/single source services were no longer available**

   The MCZ would continue to degrade and possible fail, leading to a chain reaction of failing infrastructure including but not limited to, channel walls, street and private businesses structures.

6. I certify that the above information is accurate to the best of my knowledge, and a signed copy of this document will be kept on file and available for audit in my department

E. Reeves Digitally signed by Erik Reeves Date: 2023.09.06 12:48:08 -07'00' 9/6/2023

Prepared by Date

10/24/23

Department Director Date

Purchasing Approvals

Purchasing Agent Approval Date

City Manager Approval Date

Rev 1.31.19

3400 Central Avenue, Suite 205
Riverside, California 92506
P. 951-776-3955 / F. 951-776-4207
carollo.com

May 22, 2023

Mr. John Harris, P.E. , Director of Municipal Utilities and Engineering
City or Redlands Municipal Utilities and Engineering Department
35 Cajon Street, Suite 15A
Redlands, CA 92373

Subject: Proposal to Provide Engineering Services for Condition Assessment of the Buried Portion of the Mission Creek Zanja from 1st Street to 9th Street

Dear Mr. Harris:

Thank you for your request to submit a letter proposal to provide engineering services for the condition assessment of the buried portion of the Mission Creek Zanja (MCZ) that is located between 1st Street and 9th Street in the City of Redlands (City). This particular alignment of the MCZ trends mostly from east to west crossing below Redlands Blvd underground for nearly 3,000 feet. Our understanding is that the MCZ is a relatively large storm water channel with a width that varies between 12 to 16 feet and a height that varies from 6 to 8 feet.

As you are aware, Carollo Engineers, Inc. (Carollo) recently conducted a similar assessment of a segment of the MCZ located further west between 615 N. Redlands Boulevard and Texas Street in 2021. Findings and recommendations for that inspection were summarized in a report submitted to the City.

Based on our correspondence with the City and understanding of the MCZ, we have developed a proposed scope of work and budget to carry out the preliminary condition assessment. Details of the proposed scope of work are shown below.

Scope of Work

The following four tasks set out the proposed scope of work. Following an initial site visit to conduct a preliminary assessment of the storm drain, we would return for a more detailed assessment, followed by preparation of a condition assessment report.

Task 1 - Initial Site Visit and Assessment

Carollo will prepare for and coordinate with the City a suitable day for entering and conducting a preliminary condition assessment of the existing MCZ between 1st Street and 9th Street in the City. Once on site, the condition assessment will be undertaken and will include Carollo staff entering the MCZ and assessing the entire length of the specified portion of the MCZ. The purpose of this assessment will be to establish the initial condition and identify areas for the more detailed assessment and closed-circuit television (CCTV) inspection that will follow (Task 2).

Carollo's engineers will carry out a visual condition assessment and record the condition of the MCZ with digital photographs and/or high-definition video. Sounding of the concrete with a claw hammer will be carried out for general condition assessment and localized areas where deterioration is suspected and where the surface is safely within reach. Carollo will also make a reconnaissance of the improvements above the channel, where possible. However, we are not proposing to enter any buildings located above or adjacent to the channel.

The preliminary findings of this initial assessment will be shared with a subcontractor (AIMS) that we will subcontract with to perform a National Steel and Shipbuilding Company (NASSCO) Pipeline Assessment Certification Program (PACP) inspection of the MCZ and up to 10 laterals that feed into MCZ that are to be selected by the City (Task 2). Laterals will be assessed to the extent of their reach or 30 feet, whichever is less. This initial assessment will also serve to identify the condition of the MCZ and whether cleaning or additional preparation work will need to be completed by the City prior to execution of subsequent tasks.

This will be a visual condition assessment only and will not include taking core samples of concrete, surface testing, etc. It is anticipated that this task can be completed in one day on site, together with some preparatory work.

Task 1 - Assumptions

The site visit will be attended by City staff, Carollo, and Carollo's inspection subconsultant.

Entry into the MCZ will only be conducted when the flow is down to minimal levels.

It is anticipated that this task can be completed over a one-day period.

The MCZ will be cleared of trespassers and made safe for entry by the City prior to arrival on site.

Entry into structures located above or adjacent to the MCZ is not included in the scope of work.

Deliverables: Field notes and photographs/videos provided in electronic form.

Task 2 - Internal Inspection of the MCZ

Carollo will execute a subcontract agreement with AIMS for internal inspection work. The subcontractor will perform a NASSCO PACP inspection via manned entry of the MCZ segment, including laterals identified during Task 1.

Carollo will perform quality assurance of the inspection data obtained by the subcontractor and prepare a draft and final report on the findings (Task 3). The scope of services performed for this task will include the following:

- Mobilization.
- Minor traffic control as required.
- Manned entry inspection of approximately 3,000 lineal feet of the MCZ between 1st Street and 9th Street.
- CCTV inspection via manned entry of the MCZ and laterals identified in Task 1.
- Minor cleaning and disposal of solids/debris as required to perform inspection work.
- Preparation of inspection logs using NASSCO PACP defect coding for the MCZ and laterals identified in Task 1.

Task 2 - Assumptions

The site visit will be attended by City staff, Carollo, and Carollo's inspection subconsultant.

Entry into the MCZ will only be conducted when the flow is down to minimal levels.

It is anticipated that this task can be completed over a two-day period.

The City will clean the MCZ of solids/debris and make it safe for entry prior to arrival on site.

Laterals that are planned for inspection will be cleaned of debris and suitable for CCTV access prior to arrival on site.

The City will provide access to all manholes along the alignment and at laterals as required for inspection.

The City will provide for major traffic control if it is needed.

Solids and debris removed under this task will be disposed of at a City owned site at no additional expense.

The City will provide water for cleaning, such as a mobile meter or fire hydrant hookup.

Deliverables: Field notes and copies of the CCTV videos provided in electronic form as part of Task 3.

Task 3 - Condition Assessment Report

After completion of Task 1 and Task 2, Carollo will prepare a draft condition assessment report that captures the findings from all tasks.

The draft report will also include recommendations and will be submitted to the City for review and comments. Following the City's review period, Carollo will hold an in-person meeting with the City to review the comments on the draft report and discuss the findings.

The Final report will be completed within two weeks after receipt and discussion of comments from the City.

Deliverables: Draft and Final versions of the Condition Assessment Report in PDF format.

Task 4 - Meetings and Project Management

This task includes time for management of the project and email/phone correspondence with the City and monthly invoicing. It has been assumed that the following meetings will be required:

- Meeting No. 1 - Kick Off Meeting. This meeting will be conducted virtually via Teams and will include a review of the proposed scope of work and proposed schedule for the on-site condition assessment. This meeting will also be used to coordinate the execution of Task 1.
- Meeting No. 2 - Coordination Meeting. This meeting will be conducted virtually via Teams and will be used to coordinate the execution of Task 2.
- Meeting No. 3 - Review Draft Report. This meeting will be conducted in person at the City and will review the findings of the visual condition assessment and the draft report.

Deliverables: Monthly invoicing, Meeting Agendas, Meeting Notes all in electronic format.

Schedule

It has been assumed that the work will take approximately eight weeks to complete following the Notice to Proceed. As noted above, flow levels within the MCZ will need to be minimal prior to beginning work.

Cost Proposal

The attached Exhibit A provides a breakdown of tasks and budget hours for personnel to be involved with the condition assessment work, with a not-to-exceed total at the bottom. It is assumed that we would bill our time on a time and materials basis.

We appreciate the opportunity to be of further service to the City. If you should require any additional information, please let us know and we would be happy to provide it.

Sincerely,

CAROLLO ENGINEERS, INC.

James Doering, PE, SE
Vice President

gjgj:mc

Enclosures: Exhibit A - Fee Estimate

cc: Graham J.G. Juby, PhD, PE
Greg Gould, PE

EXHIBIT A
CITY OF REDLANDS
STORM CHANNEL CONDITION ASSESSMENT
CAROLLO ENGINEERS
FEE ESTIMATE (May 22, 2023)

CITY OF REDLANDS - STORM CHANNEL CONDITION ASSESSMENT	Senior Professional	Lead Project Professional	Professional	Assistant Professional	CAD/GIS	Graphics	WP	Total Carollo Labor Hours	Carollo Labor Excl PECE	Subs AIMS	PECE	Equipment, Supplies, Travel	Analytical Costs	Total Costs
	$300	$285	$240	$188	$150	$127	$127				$14.00			
Task 1 - Prepare for and Conduct Field Visit														
1.1 Preparation	1	4		6			0	**11**	$2,568		$154		$0	$2,722
1.2 Field Visit - Condition Assessment		16		8			0	**24**	$6,064		$336	$1,200	$0	$7,600
Subtotal - Task 1	**1**	**20**	**0**	**14**	**0**	**0**	**0**	**35**	**$8,632**	**$0**	**$490**	**$1,200**	**$0**	**$10,322**
Task 2 - Internal Inspection of the MCZ														
2.1 Prepare inspection plan	2	2		1			0	**5**	$1,358		$70		$0	$1,428
2.2 Perform inspection of channel and laterals		8		6			0	**14**	$3,408		$196		$0	$3,604
2.3 Review inspection findings	2	24		2			0	**28**	$7,816	$18,375	$392		$0	$26,583
Subtotal - Task 2	**4**	**34**	**0**	**9**	**0**	**0**	**0**	**47**	**$12,582**	**$18,375**	**$658**	**$0**	**$0**	**$31,615**
Task 3 - Condition Assessment Report														
3.1 Prepare and submit Draft Report	4	32		12			4	**52**	$13,084		$728		$0	$13,812
3.2 Prepare and Submit Final Report	1	12		6			2	**21**	$5,102		$294		$0	$5,396
Subtotal - Task 2	**5**	**44**	**0**	**18**	**0**	**0**	**6**	**73**	**$18,186**	**$0**	**$1,022**	**$0**	**$0**	**$19,208**
Task 4 - Project Meetings and Management														
4.1 Kick-off Meeting (Teams Call)	1	2		1			0	**4**	$1,058		$56		$0	$1,114
4.2 Meeting No. 2 (Teams Call)	2	4		2			0	**8**	$2,116		$112		$0	$2,228
4.3 Meeting No. 3 (In-person Review Draft Report)	4	8		4			0	**16**	$4,232		$224		$0	$4,456
Subtotal - Task 3	**7**	**14**	**0**	**7**	**0**	**0**	**0**	**28**	**$7,406**	**$0**	**$392**	**$0**	**$0**	**$7,798**
TOTAL NOT TO EXCEED	**17**	**112**	**0**	**48**	**0**	**0**	**6**	**183**	**$46,806**	**$18,375**	**$2,562**	**$1,200**	**$0**	**$68,943**

AGREEMENT TO PERFORM PROFESSIONAL ENGINEERING SERVICES

This agreement for the provision of a professional engineering condition assessment of the Mission Zanja Channel ("Agreement") is made and entered in this 20th day of February, 2024 ("Effective Date"), by and between the City of Redlands, a municipal corporation ("City") and Carollo Engineers, Inc., a Delaware corporation ("Consultant"). City and Consultant are sometimes individually referred to herein as a "Party" and, together, as the "Parties." In consideration of the mutual promises contained herein, City and Consultant agree as follows:

ARTICLE 1 – ENGAGEMENT OF CONSULTANT

1.1 City hereby engages Consultant to provide professional engineering services for City, to be received and reviewed by the City Attorney of City and her designees (the "Services").

1.2 The Services shall be performed by the Consultant in a professional manner, and Consultant represents that it has the skill and the professional expertise necessary to provide the Services to City at a level of competency presently maintained by other practicing professional consultants in the industry providing like and similar types of Services.

ARTICLE 2 – SERVICES OF CONSULTANT

2.1 The Services that Consultant shall perform are more particularly described in Exhibit "A," titled "Scope of Work," which is attached hereto and incorporated herein by reference.

2.2 Consultant shall comply with applicable federal, state, and local laws and regulations in the performance of this Agreement including, but not limited to, any applicable State prevailing wage laws.

2.3 Consultant shall provide all reports, documents, communications, and data associated with the Services to the City Attorney of City, and/or the City Attorney's authorized designees. All such reports, documents, communications, and data shall be considered strictly confidential, and shall be treated as protected by the attorney work-product doctrine. All such information and any written product in connection with Consultant's Services shall be marked as "Confidential/Attorney-Work Product."

ARTICLE 3 – RESPONSIBILITIES OF CITY

3.1 City designates Yvette M. Abich Garcia, City Attorney, and Tabitha Crocker, Facilities and Community Services Department Director, as City's representatives with respect to performance of the Services, and such persons shall have the authority to transmit instructions, receive information, interpret, and define City's policies and decisions with respect to performance of the Services.

ARTICLE 4 – PERFORMANCE OF SERVICES

4.1 Consultant shall perform and complete the Services in a prompt and diligent manner in accordance with the schedule set forth in Exhibit "A," titled "Scope of Services," which is attached hereto and incorporated herein by reference.

4.2 The Services shall be completed within forty (40) working day(s) after the date of City's issuance of a Notice to Proceed.

4.3 If Consultant's Services include deliverable electronic visual presentation materials, such materials shall be delivered in a form, and made available to the City, consistent with City Council adopted policy for the same. It shall be the obligation of Consultant to obtain a copy of such policy from City staff.

ARTICLE 5 – PAYMENTS TO CONSULTANT

5.1 Total compensation for the Consultant's performance of the Services shall not exceed the amount of sixty eight thousand nine hundred forty-three dollars ($68,943). City shall pay Consultant on a time and materials basis up to the not to exceed amount in accordance with Exhibit "B," titled "Fee Estimate," which is attached hereto and incorporated herein by reference.

5.2 Consultant shall submit monthly invoices to City describing the Services performed during the preceding month. Consultants' invoices shall include a brief description of the Services performed, the dates the Services were performed, the number of hours spent and by whom, and a description of any reimbursable expenses related to the Services. City shall pay Consultant no later than thirty (30) days after receipt and approval by City of Consultant's invoice.

5.3 Any notice or other communication required, or which may be given, pursuant to this Agreement, shall be in writing. Any such notice shall be deemed delivered (i) on the date of delivery in person; (ii) five (5) days after deposit in first class registered mail, with return receipt requested; (iii) on the actual delivery date if deposited with an overnight courier; or (iv) on the date sent by facsimile, if confirmed with a copy sent contemporaneously by first class, certified, registered or express mail; in each case properly posted and fully prepaid to the appropriate address set forth below, or such other address as a Party may provide notice in accordance with this section:

CITY:

FCS Director, Tabitha Crocker
City of Redlands
35 Cajon Street, Suite 222
P.O. Box 3005 (mailing)
Redlands, CA 92373
tcrocker@cityofredlands.org
Phone: (909) 798-7505
Fax: (909) 792-8715

CONSULTANT:

Graham J.G. Juby, Senior Project Manager
Carollo Engineering, Inc.
3400 Central Avenue, Suite 205
Riverside, CA 92506
GJGJuby@carollo.com
Phone: (951) 776-3955
Fax: (951) 776-4207

ARTICLE 6 – INSURANCE AND INDEMNIFICATION

6.1 The following insurance coverage required by this Agreement shall be maintained by Consultant for the duration of its performance of the Services. Consultant shall not perform any Services unless and until the required insurance listed below is obtained by Consultant. Consultant shall provide City with certificates of insurance and endorsements evidencing such insurance prior to commencement of the Services. Insurance policies shall include a provision prohibiting cancellation or modification of the policy except upon thirty (30) days prior written notice to City.

A. Workers' Compensation and Employer's Liability insurance in the amount that meets statutory requirements with an insurance carrier acceptable to City, or certification to City that Consultant is self-insured or exempt from the workers' compensation laws of the State of California. Consultant shall execute and provide City with Exhibit "C," titled "Workers' Compensation Insurance Certification," which is attached hereto and incorporated herein by this reference, prior to performance of the Services.

B. Comprehensive General Liability insurance with carriers acceptable to City in the minimum amount of One Million Dollars ($1,000,000) per occurrence and Two Million Dollars ($2,000,000) aggregate, for public liability, property damage and personal injury is required. City shall be named as an additional insured and such insurance shall be primary and non-contributing to any insurance or self-insurance maintained by City.

C. Business Auto Liability coverage, with minimum limits of One Million Dollars ($1,000,000) per occurrence, combined single limit bodily injury liability and property damage liability. This coverage shall include all Consultant owned vehicles used in connection with Consultant's provision of the Services, hired and non-owned vehicles, and employee non-ownership vehicles. City shall be named as an additional insured and such insurance shall be primary and non-contributing to any insurance or self-insurance maintained by City.

D. Consultant is expressly prohibited from assigning or subcontracting any of the Services without the prior written consent of City. In the event of mutual agreement by the Parties to assign or subcontract a portion of the Services, Consultant shall add such assignee or subcontractor as an additional insured to the insurance policies required hereby and provide City with the insurance endorsements prior to any Services being performed by the assignee or subcontractor.

6.2 Consultant shall defend, indemnify, and hold harmless City and its elected officials, employees, and agents from and against any and all claims, losses or liability, including attorneys' fees, arising from injury or death to persons or damage to property occasioned by any negligent act or omission by, or the willful misconduct of, Consultant, or its officers, employees and agents in performing the Services.

ARTICLE 7 – CONFLICTS OF INTEREST

7.1 Consultant covenants and represents that it does not have any investment or interest in any real property that may be the subject of this Agreement or any other source of income, interest in real property or investment that would be affected in any manner or degree by the performance of Consultant's Services. Consultant further covenants and represents that in the performance of its duties hereunder, no person having any such interest shall perform any Services under this Agreement.

7.2 Consultant agrees it is not a designated employee within the meaning of the Political Reform Act because Consultant:

A. Does not make a governmental decision whether to:

(i) approve a rate, rule, or regulation, or adopt or enforce a City law;
(ii) issue, deny, suspend, or revoke any City permit, license, application, certification, approval, order or similar authorization or entitlement;
(iii) authorize City to enter into, modify, or renew a contract;
(iv) grant City approval to a contract that requires City approval and to which City is a party, or to the specifications for such a contract;
(v) grant City approval to a plan, design, report, study or similar item;
(vi) adopt, or grant City approval of, policies, standards or guidelines for City or for any subdivision thereof.

B. Does not serve in a staff capacity with City and in that capacity, participate in making a governmental decision or otherwise perform the same or substantially the same duties for City that would otherwise be performed by an individual holding a position specified in City's Conflict of Interest Code under Government Code section 87302.

7.3 In the event City determines that Consultant must disclose its financial interests, Consultant shall complete and file a Fair Political Practices Commission Form 700, Statement of Economic Interests, with the City Clerk's office pursuant to the written instructions provided by the City Clerk.

ARTICLE 8 – GENERAL CONSIDERATIONS

8.1 In the event any action is commenced to enforce or interpret any of the terms or conditions of this Agreement the prevailing Party shall, in addition to any costs and other relief, be entitled to the recovery of its reasonable attorneys' fees, including fees for the use of in-house counsel by a Party.

8.2 Consultant shall not assign any of the Services, except with the prior written approval of City and in strict compliance with the terms and conditions of this Agreement. Any assignment or attempted assignment without such prior written consent may, in the sole discretion of City, result in City's immediate termination of this Agreement.

8.3 Consultant is for all purposes under this Agreement an independent contractor and shall perform the Services as an independent contractor. Neither City nor any its agents shall have control over the conduct of Consultant or Consultant's employees, except as herein set forth. Consultant shall supply all necessary tools and instrumentalities required to perform the Services. Assigned personnel employed by Consultant are for its account only, and in no event shall Consultant or personnel retained by it be deemed to have been employed by City or engaged by City for the account of, or on behalf of City. Consultant shall have no authority, express or implied, to act on behalf of City in any capacity whatsoever as an agent, nor shall Consultant have any authority, express or implied, to bind City to any obligation.

8.4 This Agreement may be terminated by City, in its sole discretion, by providing not less than five (5) days prior written notice to Consultant of City's intent to terminate. If this Agreement is terminated by City, an adjustment to Consultant's compensation shall be made, but (1) no amount shall be allowed for anticipated profit or unperformed Services, and (2) any payment due Consultant at the time of termination may be adjusted to the extent of any additional costs to City occasioned by any default by Consultant. Upon receipt of a termination notice, Consultant shall immediately discontinue its provision of the Services and, within five (5) days of the date of the termination notice, deliver or otherwise make available to City, copies (in both hard copy and electronic form, where applicable) of project related data, design calculations, drawings, specifications, reports, estimates, summaries and such other information and materials as may have been accumulated by Consultant in performing the Services. Consultant shall be compensated on a pro-rata basis for Services completed up to the date of termination.

8.5 Consultant shall maintain books, ledgers, invoices, accounts and other records and documents evidencing costs and expenses related to the Services for a period of three (3) years, or for any longer period required by law, from the date of final payment to Consultant pursuant to this Agreement. Such books shall be available at reasonable times for examination by City at the office of Consultant.

8.6 This Agreement, including the Exhibits incorporated herein by reference, represents the entire agreement and understanding between the Parties as to the matters contained herein, and any prior negotiations, written proposals or verbal agreements relating to such matters are superseded by this Agreement. Except as otherwise provided for herein, any amendment to this Agreement shall be in writing, approved by City and signed by City and Consultant.

8.7 This Agreement shall be governed by and construed in accordance with the laws of the State of California.

8.8 If one or more of the sentences, clauses, paragraphs or sections contained in this Agreement is declared invalid, void or unenforceable by a court of competent jurisdiction, the same shall be deemed severable from the remainder of this Agreement and shall not affect, impair or invalidate the remaining sentences, clauses, paragraphs or

sections contained herein, unless to do so would deprive a Party of a material benefit of its bargain under this Agreement.

IN WITNESS WHEREOF, duly authorized representatives of City and Consultant have signed in confirmation of this Agreement.

CITY OF REDLANDS

By: _____
Eddie Tejeda, Mayor

CAROLLO ENGINEERS, INC.

By: _____
Graham J.G. Juby, Senior Project Manager

ATTEST:

By: _____
Jeanne Donaldson, City Clerk

EXHIBIT "A"
SCOPE OF WORK

Scope of Work

Task 1 - Initial Site Visit and Assessment

Carollo will prepare for and coordinate with the City a suitable day for entering and conducting a preliminary condition assessment of the existing Mission Creek Zanja ("MCZ") between 1st Street and 9th Street in the City of Redlands. Once on site, the condition assessment will be undertaken and will include Carollo staff entering the MCZ and assessing the entire length of the specified portion of the MCZ. The purpose of this assessment will be to establish the initial condition and identify areas for the more detailed assessment and closed-circuit television (CCTV) inspection that will follow (Task 2).

Carollo's engineers will carry out a visual condition assessment and record the condition of the MCZ with digital photographs and/or high-definition video. Sounding of the concrete with a claw hammer will be carried out for general condition assessment and localized areas where deterioration is suspected and where the surface is safely within reach. Carollo will also make a reconnaissance of the improvements above the channel, where possible. However, we are not proposing to enter any buildings located above or adjacent to the channel.

The preliminary findings of this initial assessment will be shared with a subcontractor (AIMS) that we will subcontract with to perform a National Steel and Shipbuilding Company (NASSCO) Pipeline Assessment Certification Program (PACP) inspection of the MCZ and up to 10 laterals that feed into MCZ that are to be selected by the City (Task 2). Laterals will be assessed to the extent of their reach or 30 feet, whichever is less. This initial assessment will also serve to identify the condition of the MCZ and whether cleaning or additional preparation work will need to be completed by the City prior to execution of subsequent tasks.

This will be a visual condition assessment only and will not include taking core samples of concrete, surface testing, etc. It is anticipated that this task can be completed in one day on site, together with some preparatory work.

Task 2 - Internal Inspection of the MCZ

Carollo will execute a subcontract agreement with AIMS for internal inspection work. The subcontractor will perform a NASSCO PACP inspection via manned entry of the MCZ segment, including laterals identified during Task 1.

Carollo will perform quality assurance of the inspection data obtained by the subcontractor and prepare a draft and final report on the findings (Task 3). The scope of services performed for this task will include the following:

- Mobilization.
- Minor traffic control as required.
- Manned entry inspection of approximately 3,000 lineal feet of the MCZ between 1st Street and 9th Street.
- CCTV inspection via manned entry of the MCZ and laterals identified in Task 1.
- Minor cleaning and disposal of solids/debris as required to perform inspection work.
- Preparation of inspection logs using NASSCO PACP defect coding for the MCZ and laterals identified in Task 1.

Task 3 - Condition Assessment Report

After completion of Task 1 and Task 2, Carollo will prepare a draft condition assessment report that captures the findings from all tasks and submit directly to the City Attorney of City.

The draft report will also include recommendations and will be submitted to the City Attorney for review and comments. Following the City Attorney's review period, Carollo will hold an in-person meeting with the City Attorney and her designees to review the comments on the draft report and discuss the findings.

The Final report will be completed within two weeks after receipt and discussion of comments from the City and shall be treated as confidential pursuant to the attorney-client privilege.

Deliverables: ***Draft and Final versions of the Condition Assessment Report in PDF format.***

Task 4 - Meetings and Project Management

This task includes time for management of the project and email/phone correspondence with the City and monthly invoicing. It has been assumed that the following meetings will be required:

- Meeting No. 1 - Kick Off Meeting. This meeting will be conducted virtually via Teams and will include a review of the proposed scope of work and proposed schedule for the on-site condition assessment. This meeting will also be used to coordinate the execution of Task 1.
- Meeting No. 2 - Coordination Meeting. This meeting will be conducted virtually via Teams and will be used to coordinate the execution of Task 2.
- Meeting No. 3 - Review Draft Report. This meeting will be conducted in person at the City and will review the findings of the visual condition assessment and the draft report.

EXHIBIT "B"

FEE ESTIMATE

Below is a breakdown of tasks and budget hours for personnel and subcontractors to be involved with the condition assessment work. Subcontractor's costs have been marked up by 5 percent.

CITY OF REDLANDS - STORM CHANNEL CONDITION ASSESSMENT	Senior Professional	Lead Project Professional	Professional	Assistant Professional	CAD/GIS	Graphics	WP	Total Carollo Labor Hours	Carollo Labor Excl PECE	Subs	PECE	Equipment, Supplies, Travel	Analytical Costs	Total Costs
	$300	$285	$240	$188	$150	$127	$127			AIMS	$14.00			
Task 1 - Prepare for and Conduct Field Visit														
1.1 Preparation	1	4		6			0	**11**	$2,568		$154		$0	$2,722
1.2 Field Visit - Condition Assessment		16		8			0	**24**	$6,064		$336	$1,200	$0	$7,600
Subtotal - Task 1	**1**	**20**	**0**	**14**	**0**	**0**	**0**	**35**	**$8,632**	**$0**	**$490**	**$1,200**	**$0**	**$10,322**
Task 2 - Internal Inspection of the MCZ														
2.1 Prepare inspection plan	2	2		1			0	**5**	$1,358		$70		$0	$1,428
2.2 Perform inspection of channel and laterals		8		6			0	**14**	$3,408		$196		$0	$3,604
2.3 Review inspection findings	2	24		2			0	**28**	$7,816	$18,375	$392		$0	$26,583
Subtotal - Task 2	**4**	**34**	**0**	**9**	**0**	**0**	**0**	**47**	**$12,582**	**$18,375**	**$658**	**$0**	**$0**	**$31,615**
Task 3 - Condition Assessment Report														
3.1 Prepare and submit Draft Report	4	32		12			4	**52**	$13,084		$728		$0	$13,812
3.2 Prepare and Submit Final Report	1	12		6			2	**21**	$5,102		$294		$0	$5,396
Subtotal - Task 2	**5**	**44**	**0**	**18**	**0**	**0**	**6**	**73**	**$18,186**	**$0**	**$1,022**	**$0**	**$0**	**$19,208**
Task 4 - Project Meetings and Management														
4.1 Kick-off Meeting (Teams Call)	1	2		1			0	**4**	$1,058		$56		$0	$1,114
4.2 Meeting No. 2 (Teams Call)	2	4		2			0	**8**	$2,116		$112		$0	$2,228
4.3 Meeting No. 3 (In-person Review Draft Report)	4	8		4			0	**16**	$4,232		$224		$0	$4,456
Subtotal - Task 3	**7**	**14**	**0**	**7**	**0**	**0**	**0**	**28**	**$7,406**	**$0**	**$392**	**$0**	**$0**	**$7,798**
TOTAL NOT TO EXCEED	**17**	**112**	**0**	**48**	**0**	**0**	**6**	**183**	**$46,806**	**$18,375**	**$2,562**	**$1,200**	**$0**	**$68,943**

EXHIBIT "C"

WORKERS' COMPENSATION INSURANCE CERTIFICATION

Every employer, except the State, shall secure the payment of compensation in one or more of the following ways:

(a) By being insured against liability to pay compensation by one or more insurers duly authorized to write compensation insurance in this State.

(b) By securing from the Director of Industrial Relations, a certificate of consent to self-insure, either as an individual employer, or as one employer in a group of employers, which may be given upon furnishing proof satisfactory to the Director of Industrial Relations of ability to self-insure and to pay any compensation that may become due to his or her employees.

CHECK ONE

_____I am aware of the provisions of Section 3700 of the Labor Code which requires every employer to be insured against liability for Workers' Compensation or to undertake self- insurance in accordance with the provisions of that Code, and I will comply with such provisions before commencing the performance of the work and activities required or permitted under this Agreement. (Labor Code §1861).

_____I affirm that at all times, in performing the work and activities required or permitted under this Agreement, I shall not employ any person in any manner such that I become subject to the workers' compensation laws of California. However, at any time, if I employ any person such that I become subject to the workers' compensation laws of California, immediately I shall provide the City with a certificate of consent to self-insure, or a certification of workers' compensation insurance.

I certify under penalty of perjury under the laws of the State of California that the information and representations made in this certificate are true and correct.

CAROLLO ENGINEERS, INC.

By:_____ Date: _____

Graham J.B. Juby, Senior Project Manager

City Council Meeting **H. 4.**

DATE: 02/20/2024

TO: Honorable Mayor and City Council Members

SUBJECT: Approve the Agreement for Services with the Ecology Center to participate in their Market Match program to distribute nutrition incentives in the amount of $7,000, approve an additional appropriation of $8,500, and approve an in-kind services grant match of $11,966.51 (Facilities and Community Services Director Crocker)

MOTION(S):

If the City Council determines that staff's recommendation is appropriate, the following motion is provided:

1. I move to approve the the Agreement for Services with the Ecology Center to participate in their Market Match Program.

2. I move to approve an additional appropriation of $8,500, and approve an in-kind service grant match of $11,966.51.

RECOMMENDATION:

Staff recommends that City Council approve the the Agreement for Services with the Ecology Center, to participate in their Market Match Program, approve an additional appropriation of $8,500, and approve an in-kind service grant match of $11,966.51.

DISCUSSION:

The Federal Supplemental Nutrition Assistance Program (SNAP), called CalFresh in California and occasionally referred to as "food stamps," is the largest food assistance program in the nation. Market Match, administered through the Ecology Center, is California's SNAP healthy food incentive program which matches customers' nutrition assistance benefits, like CalFresh and WIC at farmers' markets. The matching funds allow SNAP recipients to buy

more fruits and vegetables from eligible farmers' markets such as the Redlands Certified Farmers Markets. Market Match empowers qualifying shoppers to make healthy food choices by overcoming financial barriers. The intent of the program is to encourage job creation, local economic development, and civic engagement by leveraging the benefits of farmers’ markets for a broader community.

The City is partnering with the Ecology Center to participate in their Market Match program to distribute nutrition incentives to SNAP customers, at Redlands Farmers Market, funded by the California Department of Food and Agriculture Grant awarded to the Ecology Center. Market Match incentives provide a dollar-for-dollar match (For each SNAP benefit spent, the customer receives one dollar of Market Match incentive up to $10.00), per market day. Market Match incentives have steadily increased over the years. With the expansion of the Saturday Morning Farmer's Market in 2023, staff is anticipating more customers visiting the market. An in-kind match in the amount of $11,966.51 will be fulfilled through staff time at the market distributing and redeeming the SNAP EBT and Market Match incentives, along with administering the grant. The term of this grant is from January 1, 2024, through December 31, 2024.

Since 2017 through 2023, the City Council has approved the acceptance of Market Match grant funds for use at the City's Certified Farmers Markets. The Saturday Morning Certified Farmers Market has continued in operation as an essential service throughout the Covid-19 pandemic. The program has been an extraordinary success, with a cumulative 1,433 participants who have used the program with $16,874.00 in incentives provided for the purchase of locally grown fresh fruits and vegetables. If approved, the grant funds for the sixth year will be dedicated to continuing the Market Match incentive program, including advertising for customer outreach, incentives distributed to participants, and program administration for data tracking and distribution of incentives at the market.

ALTERNATIVES:

City Council may elect not to participate in the California Market Match Program at this time.

STRATEGIC PLAN:

Not applicable.

SUBMITTED BY:
Facilities and Community Services Director Crocker

RECOMMENDED BY:
Charles M. Duggan Jr., City Manager

REVIEWED BY:
Yvette Abich Garcia, City Attorney
Janice McConnell, Assistant City Manager
Christopher Boatman, Assistant City Manager
Danielle Garcia, Management Services/Finance Director

PREPARED BY:
Dave Jaffe, Recreation Supervisor

Fiscal Impact

Fiscal Year: FY 2023-24

Revenue Generating: Yes

Discussion:

This grant will provide total funds in the amount of $8,500.00. Of this total, $1,500.00 will be used towards promoting and administering the program and $7,000.00 will be used towards incentives. The City is required to provide match of $11,966.51 of in-kind services.

Attachments

MOU with CDFA
Additional Appropriation
Agreement with Ecology Center

Memorandum of Understanding

Between the California Department of Food and Agriculture and

City of Redlands (Firm/SNAP RetailerPermit Holder)

Program Summary

The California Nutrition Incentive Program (CNIP) is a statewide program that provides nutrition incentives to CalFresh (federally known as SNAP) shoppers at certified farmers' markets and small businesses throughout the state of California. CNIP is administered by the California Department of Food and Agriculture's (CDFA) Office of Farm to Fork through competitive grants awarded to non-profits, small businesses and farmers' markets. CNIP was established by California Assembly Bill 1321 (Chapter 442, Statutes of 2015).

CNIP incentives are offered to increase the purchase of California grown fresh fruits and vegetables by CalFresh shoppers.

CDFA is a grantee of the Gus Schumacher Nutrition Incentive Program (GusNIP), which is administered by the United States Department of Agriculture's National Institute of Food and Agriculture (NIFA) and Food and Nutrition Service (FNS). GusNIP is authorized by Section 4205 of the Agricultural Improvement Act of 2018 amended section 4405 of the Food, Conservation, and Energy Act of 2008 ("FCEA") (7 U.S.C. 7517). The authority to administer this program was delegated to the Director of NIFA through the Under Secretary for Research, Education, and Economics (REE) (see 79 FR 44101 (July 30, 2014).

The Ecology Center is one of CDFA's subgrantees on this project and has contracts in place with many of the farmers markets, farmers' market associations, CSAs, farms stands, and stores participating in CNIP.

This Memorandum of Understanding does not supersede either CDFA's grants agreement with the Ecology Center nor the Ecology Center's contract with City of Redlands (market or "firm"), the "Firm". This MOU outlines specific requirements of City of Redlands (market or "firm") and CDFA, but City of Redlands (market or "firm") is still

subject to additional requirements outlined in its contract with the Ecology Center and grant with CDFA.

Firm/Market Information

Name of Firm (including any other names the firm does business under):

City of Redlands

Mailing Address: P.O. Box 3005 Redlands, Ca 92373

Site Name #1	Saturday Morning Market
Address	State Street (Between Orange and 8th Street)
Cross Street	Orange and 8th
City	Redlands
Zip Code	92373
County	San Bernardino County
Months of Operations	Year Round
Day(s) of Operation	Saturday
Start Time	8:00am
End Time	12:00pm
FNS Number	0428832

Site Name #2	
Address	
Cross Street	
City	
Zip Code	
County	
Months of Operations	
Day(s) of Operation	
Start Time	
End Time	
FNS Number	

Site Name #3	
Address	
Cross Street	
City	
Zip Code	
County	
Months of Operations	
Day(s) of Operation	
Start Time	
End Time	
FNS Number	

Expected Starting Date of Participation in CDFA's GusNIP project: January 1, 2023

Expected Ending Date of participation: December 31, 2024

Incentives being offered: CalFresh shoppers spending their CalFresh (SNAP) benefits will receive incentives for the purchase of California grown fresh fruit and vegetables.

Firm Responsibilities

Data: The firm will provide CDFA and/or its affiliates the Ecology Center and the Nutrition Policy Institute with all the incentive transaction related data necessary for a robust evaluation of the grant project. This data will also be shared with the National Institute of Agriculture and the Food and Nutrition Service as part of the GusNIP grant.

GusNIP and SNAP rules: The firm will follow all relevant GusNIP and SNAP rules including, but not limited to, the following:

- The firm will only accept incentives for California grown fresh fruits and vegetables
- The firm will never accept incentives for ineligible products (i.e., non-food, alcohol, tobacco, or hot food products)
- The firm will never exchange incentives for cash;
- The firm will never provide cash or SNAP EBT change for incentives
- The firm will never accept incentives from individuals known not to be legally entitled to possess incentives
- The firm will never accept incentives to pay credit accounts
- The firm will never knowingly provide false information of a substantive nature regarding their participation in the grant project

Any failure to abide by GusNIP and SNAP rules may result in SNAP disqualification, civil money penalties, and/or criminal penalties. Failure to abide by GusNIP grant program rules may result in rescission, in whole or in part, of the grant funds.

CDFA Responsibilities

CDFA, as the primary GusNIP grantee, is responsible for overseeing firms participating in their grant project to ensure that SNAP and GusNIP rules are followed and will be held responsible for instances of noncompliance that occur at any of the participating firms.

Breach

The Firm may be in material breach under this MOU if it fails to comply with any term of this MOU, GusNIP, or SNAP rules. In the event of a material breach, CDFA shall provide a written notice of breach to the Firm and any course of action required to cure the breach.

Termination

This agreement may be terminated by either party prior to the intended date of termination by written notice. If any action is taken to terminate, in whole or in part, CDFA's primary grant agreement with the Ecology Center, or the Ecology Center's contract with City of Redlands (market or "firm"), this MOU is no longer valid as City of Redlands (market or "firm") is no longer authorized to participate in CDFA's GusNIP grant.

Firm: City of Redlands	
Name: Mayor Eddie Tejeda	
Phone: 909-798-7533	
Authorized Signature: Eddie Tejeda	Date: 2-7-23

The Ecology Center:

Name: Martin Bourque	
Authorized Signature: Martin Bourque	Date: 2/9/23

California Department of Food and Agriculture (federal GusNIP grantee):

Name: Sarah Hanson	
Authorized Signature: Sarah Hanson	Date: 2/17/23

CITY OF REDLANDS
REQUEST FOR ADDITIONAL APPROPRIATION

DATE OF REQUEST: 2/06/224

FINANCE USE ONLY
TRANSACTION NO:
ACCOUNTING PERIOD:

An additional appropriation is hereby requested as follows:

Department: Facilities & Community Services

EXPENDITURE APPROPRIATION INCREASE (if applicable)				
Account Description	**Orgkey**	**Object Code**	**Job Ledger (If applicable)**	**Amount**
Full Time Salaries	200300	5001	C300005	$750.00
Food	200300	7807	C300005	$7,000.00
Materials	200300	7810	C300005	$550.00
Advertising	200300	6902	C300005	$200.00
				$ 8,500.00 -

REVENUE APPROPRIATION INCREASE (if applicable)				
Account Description	**Orgkey**	**Object Code**	**Job Ledger (If applicable)**	**Amount**
State Grant	200300	4401	C300005	$1,500.00
Federal Grant	200300	4407	C300005	$7,000.00
				$ $8,500.00 -

JUSTIFICATION: CY 2022 participation in the California Market Match Grant awarded through the Ecology Center to fund certified farmers' market activities at the City's certified farmers market

Requested By: Tabitha Crocker
Department Head

Recommended By Finance Director:

Yes _____ No _____ Signed _____

Recommended: _____
City Manager

Comments: _____

Approved by City Council:

Date: _____

Signed: _____
City Clerk

ecology center

AGREEMENT FOR SERVICES

THIS AGREEMENT ("Agreement") is made and entered into by the Ecology Center, a nonprofit public benefit corporation organized under the laws of the State of California with offices at 2530 San Pablo Avenue, Berkeley, California, 94702 and **City of Redlands,** a municipal corporation, with offices at 111 West Lugonia, Redlands, California, 92374

(hereafter "Contractor," and together with the Ecology Center, the "Parties").

WHEREAS, the Ecology Center enters into this Agreement to carry out a portion of its California Nutrition Incentive Program ("CNIP") Grant Agreement with the California Department of Food and Agriculture- ("CDFA") grant contract number 22-1464-001-SF.

WHEREAS, Contractor has the required capacity to provide the services sought by the Ecology Center; and

WHEREAS, Ecology Center wishes to utilize Contractor's services and abilities during the term of this Agreement, and Contractor is willing to offer such services upon the terms and conditions contained in this Agreement;

NOW THEREFORE, in consideration of the promises contained herein, the Parties agree as follows:

1. Term, Engagement, Services, Termination: This Agreement is effective as of January 1, 2024 and terminates on December 31, 2024 unless terminated earlier as provided herein. During the term of this Agreement, the Ecology Center hereby engages Contractor and Contractor hereby agrees to serve the Ecology Center, as an independent contractor and not as an employee or agent of the Ecology Center. Contractor shall be available to work for reasonable periods of time to perform the scope of services and provide deliverables according to the budget and schedule as set forth in Attachment A: Budget, Attachment B: Scope of Work, and Attachment C: Debarment Certification Form (the "Services"), included with and hereby made a part of this agreement. Either party to this Agreement may terminate this Agreement at any time, with or without cause, by giving the other party thirty (30) days written notice. Should Contractor default in the performance of this Agreement or materially breach any of its terms, the Ecology Center at its option, may terminate this Agreement effective immediately upon giving written notice to Contractor stating the reason for the termination of this Agreement.

   Contractor's original grant proposal and any revisions thereto, including all supplemental documentation provided by contractor to document grant deliverables, match, and incentives to be distributed, is incorporated by reference as a part of this agreement.

2. Compliance with Terms of the Ecology Center Grant CDFA Agreement 22-

1464-001-SF: Contractor agrees to comply with all terms and conditions applicable to the Ecology Center's Grant Agreement with 22-1464-001-SF. Contractor also agrees to comply with all applicable Federal and State regulations, including but not limited to, the Code of Federal Regulations (2CFR 230, 2CFR 200), Research Terms and Conditions (06/11) and NIFA Agency Specific Terms and Conditions (10/14) at https://www.nifa.usda.gov/grants/regulations-and-guidelines/federal-regulations; General Provisions found in Title 2: 2CFR Part 400; 2 CFR Part 415; 2 CFR Part 416; 2 CFR Part 418; 2 CFR Part 422; 7 CFR 3015, 3016, 3019, Title 7: 7 CFR Part 3430, and allowable cost principles found in 2 CFR 220, 225, and 230 or Federal Acquisition Regulation 48 CFR 31.2 – all incorporated by reference and found at http://www.gpo.gov/fdsys/browse/collectionCfr.action?collectionCode=CFR Contractor also agrees to comply with the provisions of the Fair Employment and Housing Act (Gov. Code 12990 (a-f) and the applicable regulations promulgated there under California Code of Regulations, Title2, Section 7285.

Contractor is required to provide a non-federal match as stated in Attachment A: Budget. All matching funds must directly benefit and be specifically identifiable with approved project objectives. The Contractor is required to maintain complete, accurate, up-to-date records to support all matching activities under the award. Matching requirements may not be satisfied with Federal funds or with property or services provided under another Federal assistance award.

Ecology Center may withhold payment of funds for expenses deemed unallowable by CDFA. In the event that it is determined by the Ecology Center that a contractor has been paid for work and expenses that are deemed unallowable, Contractor will be required to refund to the Ecology Center all grant funds which were disbursed to the Contractor for unallowable expenses.

3. Compensation, Project Expenses, and Payment Terms: A budget that is agreed to by both parties is attached to this Agreement as Attachment A. Total expenses for Services, excluding incentives, shall not exceed $1,500.00 Contractor agrees to distribute $7,000 in incentives on SNAP/CalFresh purchases as set forth in Attachment B. Total payment for Services and Incentives distribution under this Agreement shall not exceed $8,500.

   Contractor may only distribute incentives at outlets that have been approved for participation by USDA's Food and Nutrition Services (FNS) via a Memorandum of Understanding (MOU). A signed MOU between CDFA and each outlet must be reviewed and approved by CDFA prior to the outlet's participation. Distributing incentives at outlets not approved by CDFA is a violation of this contract and Contractor will be required to repay grant funds for incentives distributed through unauthorized outlets.

   Any changes to the attached budget must be agreed to in writing by the Ecology Center prior to Contractor incurring costs exceeding the original

budgeted amount of any line item. Contractor is entitled to reimbursement for reasonable expenses to the extent that such expenses are budgeted, necessary for the performance of the Services under this Agreement, and are considered allowable costs under applicable Federal and State regulations as outlined and noted in Section 2 of this contract agreement. Monthly invoices and back-up documentation shall be e-mailed in the provided Excel formats and submitted by the 7th day of the month following the reporting/invoicing month to receive payment within thirty (30) days of the Ecology Center's receipt of the invoice and all required backup documentation, with the exception that in no case shall the Contractor receive payment prior to the Ecology Center's receipt of payment from CDFA for the period billed.

Monthly invoices must be submitted using the invoice, timesheet and mileage tracking templates provided by the Ecology Center and must adhere to all procedures and policies as required by the Ecology Center. Invoicing documents must include the dates and hours worked and the nature of the work performed in the description. Contractor shall attach original or scanned copies of receipts for all expenses billed under this Agreement. All original receipts, invoices, and other back-up documentation must be retained by the Contractor and kept on file, available on request for audit purposes. The invoice and all required documentation must be submitted before a payment will be processed. The Ecology Center may withhold payment on an invoice until all required information or documentation has been provided by Contractor. Monthly progress reports are due by the 7th day of the month following the reporting month. Monthly reports must include a description of the amount of incentives distributed by market/site for the reporting month.

4. Independent Contractor: Contractor and the Ecology Center agree that Contractor is, and shall be, an independent contractor and not an employee or agent of the Ecology Center. Nothing in this Agreement shall be interpreted or construed as creating the relationship of employer and employee between the Ecology Center and Contractor and/or Contractor's approved employees or subcontractors.

   Contractor is responsible for all applicable legal and governmental obligations as an independent contractor, including, without limitation, all business licenses, worker's compensation and liability insurance requirements and the withholding and transmittal of all fees and taxes. Contractor shall not be an agent of the Ecology Center and shall not have any authority to sign agreements for the Ecology Center or to bind the Ecology Center to any agreements or other obligations.

   Any agreement to be executed for the Ecology Center shall be presented to and be signed by a duly authorized representative of the Ecology Center.

   It is expected that Contractor will work directly with the Ecology Center in performing the Services. However, if Contractor wishes to hire subcontractors in performance of the Services, Contractor must obtain the

prior written consent of the Ecology Center and, in that event: (i) each approved subcontractor must agree to terms consistent with the terms of this Agreement; (ii) approved subcontractors shall be Contractor's sole responsibility; and (iii) Contractor shall be solely responsible for the approved subcontractors' compensation and for compliance with all applicable legal and tax requirements.

5. Taxes: If Contractor, or Contractor's organization, is not incorporated, the Ecology Center will inform Contractor of the total amount of payments made to Contractor on a calendar year basis during January of the following year and report such payments as required by law. Contractor shall be responsible for complying with all applicable national and local employment, income and other tax laws.

6. Indemnification: Contractor agrees to protect, indemnify, defend and hold harmless the Ecology Center and its directors, officers, employees and agents from and against any and all claims, demands, actions, judgments, fines, penalties, liabilities, losses, settlements, taxes, damages, injuries, costs or expenses (including, without limitation, attorneys' fees and all other fees and costs incurred in investigating or defending any claim or action), either directly or indirectly, which may be asserted against any of the foregoing persons by Contractor, Contractor's employees, agents or subcontractors, or third parties, in any manner related to, arising out of or resulting from:

   (a) Contractor's performance of the Services under this Agreement;
   (b) any failure of Contractor to perform its obligations under this Agreement;
   (c) any claim that the Services and/or Deliverables infringe the intellectual property rights of a third person;
   (d) any acts of Contractor beyond the scope of its authority under this Agreement;
   (e) any negligence, willful misconduct or other wrongful acts or omissions of Contractor, its employees, agents or subcontractors;
   (f) any injury, damage or death to Contractor, its employees, agents, subcontractors, partners or other representatives; or
   (g) any injury, damage or death to any third party.

7. Representations and Warranties: Contractor represents and warrants that: (a) Contractor has the full power to enter into and perform this Agreement and to make the grant of rights contained herein; (b) all Services performed hereunder shall be performed in accordance with the Ecology Center's specifications and requirements and with all necessary care, skill and diligence; (c) the Deliverables will meet the description of Deliverables set forth in Attachment B; (d) upon delivery of each Deliverable, the Ecology Center will have marketable title to such Deliverable, free and clear of all liens and encumbrances; and (e) the use of the Deliverables for the purposes intended will not infringe upon or violate any rights of privacy, publicity, patents, copyrights or any other rights of any nature of any third party.

8. Confidentiality: Contractor acknowledges that Contractor will have access to proprietary and confidential information in order to perform specific duties and provide the Services. Contractor warrants that Contractor will not use or disclose any information received or obtained by Contractor in connection with Contractor's performance of the Services except as necessary to comply with a subpoena, court order or to comply with State or Federal law.. This warranty shall not apply in any instance where the Ecology Center has expressly directed Contractor, in writing, to disclose information to a third party.

9. Legal Compliance: The laws of the State of California shall govern the interpretation of this Agreement. Any action to enforce this Agreement shall be brought in the Superior Court for the County of Alameda or in the U.S. District Court for the Northern District of California, San Francisco, California.

10. Assignment: Contractor may not assign, delegate or subcontract neither this Agreement nor any of its rights, duties or obligations under this Agreement without the prior written consent of the Ecology Center. Any purported assignment or delegation not consented to by the Ecology Center shall be void at the Ecology Center's option and shall constitute a material breach of this Agreement.

11. Amendments and Waivers: Any supplement to or modification or waiver of any provision of this Agreement must be in writing and signed by authorized representatives of both Parties. A waiver by either party of any breach of this Agreement will not operate as a waiver of any other breach of this Agreement.

12. Notices: All notices required under this Agreement will be delivered in writing to the recipient's contact designated in the first paragraph of this Agreement, or to such other contact as designated in writing from time to time. Notices shall be by hand delivery, nationally recognized overnight courier, certified or registered mail, email, or facsimile and will be effective upon receipt or when delivery is refused, whichever occurs sooner.

13. Records: All financial records and documentation pertaining to this contract, including incentives and match expenses, will be maintained for three years after the completion of the grant period, Dec 31, 2027. All original expense receipts, invoices, and other back-up documentation must be retained by the Contractor and kept on file, available on request for audit purposes.

If any provision of this Agreement is prohibited or is unenforceable, said provision shall be ineffective to the extent of such prohibition or unenforceability, without invalidating any of the remaining provisions of this Agreement.

This Agreement contains the entire agreement of the Parties and supersedes any and all previous agreements, which may have been made, whether orally or in writing.

WHEREFORE, the Parties have executed this Agreement as of the date(s) set forth below.

The Ecology Center

Signed: _____
Martin Bourque, Executive Director

Date: _____

City of Redlands

Signed: _____
Eddie Tejeda, Mayor

Date: _____

CITY OF REDLANDS

MARKET MATCH BUDGET: JAN 1 2024 - DEC 31 2024

SECTION A: SALARIED PERSONNEL (DO NOT INCLUDE VOLUNTEERS)

PERSONNEL TITLE	NAME OF PERSONNEL PERFORMING WORK	PERSONNEL SALARY	PERCENT ALLOCATED ON PROJECT	CAL. MONTHS ON PROJECT	FRINGE RATE (IF APPLICABLE)	EXPENSE TOTAL (SAL & FB)	GRANT FUNDS	NON-FEDERAL MATCH	TOTAL	BUDGET JUSTIFICATION (NARRATIVE)	MATCH SOURCE (IF APPLICABLE)
						$0.00			$0.00		
SECTION A TOTAL						**$0.00**	$0.00	$0.00	**$0.00**		

SECTION B: HOURLY PERSONNEL (DO NOT INCLUDE VOLUNTEERS)

PERSONNEL TITLE	NAME OF PERSONNEL PERFORMING WORK	PERSONNEL HOURLY RATE	NUMBER OF HOURS ON PROJECT IN PERIOD	FRINGE RATE % (IF APPLICABLE)	EXPENSE TOTAL (SAL & FB)	GRANT FUNDS	NON-FEDERAL MATCH	TOTAL	BUDGET JUSTIFICATION (NARRATIVE)	MATCH SOURCE (IF APPLICABLE)
Program Specialist	Conrad Calbes	$31.57	164	63%	$8,439.29	$750.00		$750.00	(Admin) Conrad will be working 2 hours per week planning, marketing, outreach, attending webinars, data collecting, and invoicing. He will also distribute EBT and Market Match scrip at the Saturday Morning Farmers Market (2 hours) for 32 Saturdays a year (32 Saturdays x 2 hours) = 64 market + (2 admin x 50 weeks) = 164 hours	
Program Aid II	Michael Gonzalez	$21.01	64	72%	$2,312.78			$0.00	For 12 months of the year, Michael will be swiping customer EBT cards and distributing EBT and Market Match scrip at the Saturday Morning Certified Farmers Market (2 hours). (32 Saturdays a year x 2 hours distributing Market Match = 64 hours a year)	
Program Aid I	April Jamison	$17.44	64	76%	$1,964.44			$0.00	For 12 months of the year, April will be swiping customer EBT cards and distributing EBT and Market Match scrip at the Saturday Morning Certified Farmers Market (2 hours). (32 Saturdays a year x 2 hours distributing Market Match = 64 hours a year)	
					$0.00			$0.00		
SECTION B TOTAL					**$12,716.51**	$750.00	$0.00	**$750.00**		

SECTION C: EQUIPMENT (GREATER THAN $5,000)

EQUIPMENT ITEM	EXPENSE $	GRANT FUNDS	NON-FEDERAL MATCH	TOTAL	BUDGET JUSTIFICATION (NARRATIVE)	MATCH SOURCE (IF APPLICABLE)
		N/A		$0.00		
SECTION C TOTAL	$0.00	**$0.00**	**$0.00**	**$0.00**		

SECTION D: TRAVEL

TYPE OF TRAVEL (DROPDOWN MENU)	EXPENSE DESCRIPTION	COST PER UNIT	NUMBER OF UNITS	EXPENSE $	GRANT FUNDS	NON-FEDERAL MATCH	TOTAL	BUDGET JUSTIFICATION (NARRATIVE)	MATCH SOURCE (IF APPLICABLE)
				$0.00			$0.00		
SECTION D TOTAL				**$0.00**	$0.00	$0.00	**$0.00**		

SECTION E: PARTICIPANT/TRAINING COSTS (EXCLUDING INCENTIVES)

TYPE OF TRAINING COST (DROPDOWN MENU)	EXPENSE DESCRIPTION	COST PER UNIT	NUMBER OF UNITS	EXPENSE $	GRANT FUNDS	NON-FEDERAL MATCH	TOTAL	BUDGET JUSTIFICATION (NARRATIVE)	MATCH SOURCE (IF APPLICABLE)
				$0.00			$0.00		
SECTION E TOTAL				**$0.00**	$0.00	$0.00	**$0.00**		

SECTION F: OTHER DIRECT COSTS

SUBSECTION & EXPENSE TYPE (DROPDOWN MENU)	EXPENSE DESCRIPTION	COST PER UNIT	NUMBER OF UNITS	EXPENSE $	GRANT FUNDS	NON-FEDERAL MATCH	TOTAL	BUDGET JUSTIFICATION (NARRATIVE)	MATCH SOURCE (IF APPLICABLE)
1. Materials & Supplies	Market Match Scrip Tokens	$0.55	1,000	$550.00	$550.00		$550.00	Wooden scrip tokens will be used to distribute Market Match funds during the market	
2. Publication Costs	Social Media Advertisement for Customer Outreach	$50.00	4	$200.00	$200.00		$200.00	Social Media outreach for Market Match attracting targeted local customers43 ads @ $50 each = $200	
				$0.00			$0.00		
				$0.00			$0.00		
				$0.00			$0.00		
				$0.00			$0.00		
SECTION F TOTAL				**$750.000**	$750.00	$0.00	**$750.00**		

SECTION H: INDIRECT COSTS

	INDIRECT RATE (IF APPLICABLE)	MTDC	TOTAL GRANT INDIRECT	TOTAL INDIRECT	
SECTION H TOTAL		$1,500.00	**$0.00**	**$0.00**	

SECTION I: TOTAL DIRECT & INDIRECT COSTS

	TOTAL GRANT FUNDS	TOTAL NON-FEDERAL MATCH	TOTAL PROJECT BUDGET	
SECTION I TOTAL	**$8,500.00**	**$0.00**	**$8,500.00**	**All expenses (grant and match) must directly benefit and be specifically identifiable with approved Market Match project objectives.**

SECTION E: TOTAL INCENTIVES

	GRANT FUNDS	NON-FEDERAL MATCH	TOTAL	BUDGET JUSTIFICATION (NARRATIVE)	MATCH SOURCE (IF APPLICABLE)
DOLLAR AMOUNT OF INCENTIVES TO DISTRIBUTE	$7,000.00		$7,000.00		

NON-INCENTIVE TO INCENTIVE FUNDING

	NON-INCENTIVE FUNDS	INCENTIVE FUNDS	INCENTIVES AS PERCENT OF TOTAL BUDGET
GRANT FUNDS	$1,500.00	$7,000.00	82%
TOTAL BUDGET	$1,500.00	$7,000.00	82%

2024 CNIP GusNIP Contract Attachment B: Scope of Work

Contractor Name: City of Redlands
Start Date: January 1, 2024
End Date: December 31, 2024

Distribution of Incentives

Contractor will:

- Distribute $7,000 Market Match (MM) incentives to customers using/spending SNAP (Supplemental Nutrition Assistance Program) at a minimum of 1 Ecology Center-approved Certified Farmers' Markets and farm-direct sites between January 2024 – December 2024;
- Provide incentives that are funded by GusNIP federal dollars or non-federal match will *only* be provided as a dollar-for-dollar match for SNAP/CalFresh purchases;
- Provide incentives that are funded by GusNIP federal dollars or non-federal match *only* at outlets (sites) that have been approved for participation by USDA's Food and Nutrition Services (FNS) via a Memorandum of Understanding (MOU) and after the start date of the MOU. A signed MOU between CDFA and each outlet must be reviewed and approved by FNS prior to the outlet's participation. Distributing incentives at outlets not approved by FNS is a violation of this contract, and Contractor will be required to repay grant funds for incentives distributed through unauthorized outlets;
- Provide Market Match incentives matching on Pandemic-EBT and Disaster-EBT per card;
- Provide Market Match incentives for SNAP cards from other U.S. states;
- Not provide Market Match incentives matching spending of cash (rather than food) benefits loaded onto SNAP cards.
- If the SNAP/EBT Terminal is not working, the contractor will seek out ways of transacting SNAP including using offline vouchers as provided by EBT Processor;
- Alert Ecology Center staff if the EBT/SNAP terminal is not operational and offline EBT vouchers are not able to be processed and/or Market Match incentives are not able to be distributed during normal site operating hours;
- Alert Ecology Center staff if the FNS SNAP authorization lapses or if the farmers' market or retailer changes ownership;
- Renew FNS SNAP authorization as required by FNS every five years.
- Provide the incentives as a dollar-for-dollar EBT/SNAP match, up to a daily maximum for incentives per card, per day as decided by Ecology Center staff;
- Follow all FNS guidelines including providing a refund when requested by the customer if the customer has taken out more SNAP dollars than they were matched for with the incentive or if they are willing to return the incentive scrip as well as EBT scrip when refunding the EBT onto their SNAP card;
- Produce or reuse all Market Match scrip needed at the farmers' markets served by Contractor. In the case where new scrip is produced or printed, the design must first be approved by the Ecology Center staff prior to production; Market Match scrip must include phrase "only for fruits and vegetables", "no change given" and

"Market Match", name of market or market association (if all association sites are approved for Market Match), and the denomination in a whole dollar increment (such as $1, $2, or $5 or another increment);

- If the market association chooses to create an incentive program that matches another benefit or type of spending other than SNAP, they will create a separate scrip type that is easily distinguishable from the Market Match scrip.;
- Market Match scrip must be restricted to the purchase of fresh, California-grown fruits and vegetables or plant starts that produce food only at the Certified Farmers' Market or other approved Market Match site. No US dollar change is to be given on Market Match scrip;
- Contactor must reimburse vendors 100% of the value of the scrip turned in by the farmers/growers/vendors and must be paid at 100% of the value to said farmers/growers/vendors;
- Contractor must keep records of the $ value of redemption and reimbursement of EBT scrip and Market Match scrip from vendors per market day to ensure that Market Match guidelines around eligible food purchases are maintained.
- Abide by all Ecology Center program rules and grant compliance rules as communicated by Ecology Center staff.

Administration of EBT Scrip Program

Contractor will ensure following:

- EBT scrip will be in compliance with all USDA Food Nutrition Service guidelines, including that EBT scrip will never expire, will include "EBT" or "SNAP", and "no change given" and the increment /dollar denomination;
- Vendors/contractors/farmers markets will not allow EBT scrip to be spent on items that are not eligible for SNAP;
- Contractor will not allow market vendors to exchange tokens with anyone except the market operator.

Administration and Reporting

Contractor will:

- Hire and maintain sufficient staff or volunteers to execute the program as detailed;
- Oversee, track, evaluate, manage, report on any and all Market Match activities under the contract that Contractor is providing or subcontracting;
- Use a customer transaction log to track each customer transaction involving SNAP for each market day or day open to the public if another type of outlet, recording the $ amount of CalFresh spent at the site and the associated Market Match incentive distributed based on that transaction, including if a customer spends more SNAP than the incentive maximum and is not provided with any more incentive
- Collect some identifying information (i.e. customer initials) without collecting private data (SNAP card numbers and full name) to have a method for enforcing a daily incentive maximum per card (contractor will not collect full personal information from any program recipient);
- Review monthly invoices, back-up documentation and monthly reports for accuracy before submission.

- Turn in monthly invoices, back-up documentation (timesheets, subcontractor invoices, mileage forms and/or item receipts), and monthly reports no later than the 7th of each month following the month previous or as requested by the Ecology Center, unless otherwise agreed upon with the Ecology Center in advance;
- Monthly Reports include data collection of the following per Market Match site (including separately for farmers' markets that operate on multiple days of the week, treating the markets that operate on a Tuesday separately from the markets that operate at the same location on another day of the week). Metrics include:
    - Monthly total $ Market Match incentives distributed for each site,
    - Monthly total $ Market Match redeemed from vendors for each site,
    - Monthly total $ CalFresh/SNAP sold at central point of sale or at farmstand or other type of site,
    - Monthly total CalFresh/SNAP redeemed (in a farmers' market context where a scrip model is used),
    - Total number of customers served per month per site
    - Total number of SNAP transactions on the EBT/SNAP terminal per month per site
    - Total number of transactions with "new" customers who have not used the Market Match program at that site per month per site
    - Average number of fruit/vegetable vendors per market day per month per site
    - Total operating days where Market Match was available and offered per month per site
- Complete outreach survey on a quarterly basis if receiving CNIP funds for staff time for conducted outreach and/or printing promotional outreach materials.
- Attend required quarterly California Market Match Consortium (CMMC) calls/webinars. If the Contractor is not able to attend for any reason, they will be responsible to inform the Ecology Center staff in advance, and read minutes or watch webinar recording following the webinar.
- Send at least one representative to attend the annual virtual/online Market Match Face-to-Face Meeting/Conference.

<u>Systems, Tracking, Evaluation</u>

Contractor will work with the Ecology Center to:

- Administer a unified data collection and tracking mechanism for Market Match participants in order to track all monthly reporting and evaluation metrics accurately and in a timely fashion;
- Provide input, feedback, and cooperation on the development, implementation, and execution of State and National evaluation metrics, tools, and systems;
- Carefully track federal and non-federal match budget spending and receive approval from Ecology Center before making any adjustments to line item spending.

Contractor will:

- Carefully and completely track, input, and report on all program metrics that are needed by the Ecology Center or the grant evaluators. These monthly reports will

be provided by or before the 7th of each month following the month previous, unless there is an agreement in place in advance with the Ecology Center for an adjusted deadline;

- Cooperate fully and support data collection and analysis conducted through Ecology Center and California Department of Food & Agriculture's required evaluation of the GusNIP project, and any national evaluation conducted through the GusNIP Training, Technical Assistance, Evaluation and Information Centers (NTAE) "Nutrition Incentive Hub".

Promotions & Outreach to Market Match Eligible Customers

Contractor will ensure:

- All Market Match promotional and outreach materials and signage paid for by the grant must be approved by Ecology Center staff prior to printing and distribution;
- All promotional and outreach materials and signage must promote the Market Match program and align with program branding, messaging, and at minimum include the Market Match logo.
- If printed, the materials must include the funding acknowledgment "Market Match is a program of the Ecology Center and is funded in part through the California Department of Food and Agriculture and the USDA's National Institute of Food and Agriculture." and Market Match logo.
- That participation in the Market Match program is listed on a website of the organization (if using a website to describe the organization's work). The participation in the Market Match program will also include the Market Match logo as well as the funding acknowledgment "Market Match is a program of the Ecology Center and is funded in part through the California Department of Food and Agriculture and the USDA's National Institute of Food and Agriculture."

Contractor will:

- When possible, produce locally-focused, Market Match-branded, outreach materials and advertising in accordance with approved budget and budget justification;
- Wherever possible, partner with local media, social service agencies, and community based organizations to distribute outreach materials to promote the purchase of fruits and vegetables to SNAP/CalFresh shoppers at Certified Farmers' Markets and other approved Market Match sites.

Contractor will work with the Ecology Center to:

- Improve and build upon uniform Market Match language and statewide materials;
- Participate in any and all statewide, regional or locally focused centralized promotions or outreach strategies executed by the Ecology Center on behalf of the statewide Market Match program.

Attachment C
DEBARMENT CERTIFICATION FORM

The Contractor certifies that, neither the Contractor firm nor any owner, partner, director, officer, or principal of the Contractor, nor any person in a position with management responsibility or responsibility for the administration of federal funds:

(a) Is presently debarred, suspended, proposed for debarment, and declared ineligible or voluntarily excluded from covered transactions by any federal or state department/agency;

(b) Has within a three-year period preceding this certification been convicted of or had a civil judgment rendered against it for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public transaction or contract (federal, state, or local); violation of federal or state antitrust statutes; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(c) Is presently indicted for or otherwise criminally or civilly charged by a governmental entity (federal, state, or local) with commission of any of the offenses enumerated in paragraph (b) above; or

(d) Has within a three-year period preceding this certification had one or more public transactions or contracts (federal, state, or local) terminated for cause or default.

The Contractor further certifies that it shall not knowingly enter into any transaction with any subcontractor, material supplier, or vendor who is debarred, suspended, declared ineligible, or voluntarily excluded from covered transactions by any federal or state department/agency.

Date _____

By _____

Authorized Signature for Contractor

_____

Printed Name and Title

City Council Meeting **H. 5.**

DATE: 02/20/2024

TO: Honorable Mayor and City Council Members

SUBJECT: Approve the request for in-kind support in the amount of $29,738 related to The Run Through Redlands event hosted by the Kiwanis Club of Redlands on March 3, 2024; temporary street closures related to the event, authorize the sale and consumption of alcoholic beverages at the event; and determine that the event is categorically exempt from environmental review pursuant to Section 15061 (b)(3) of the state's guidelines implementing the California Environmental Quality Act (Facilities and Community Services Department Director Crocker)

MOTION(S):

If the City Council determines that the requests are appropriate, the following motions are provided:

1. I move that the City Council determine that authorization for the items associated with the Run Through Redlands on March 3, 2024, are categorically exempt from environmental review pursuant to Section 15061 (b)(3) of the State's Guidelines for Implementing the California Environmental Quality Act; and

2. I move to authorize and approve the expenditure of city resources and in-kind support; the temporary street closures, and the sale and consumption of alcoholic beverages all associated with the Run Through Redlands event scheduled for March 3, 2024.

RECOMMENDATION:

Staff recommends that the City Council determine that the event is categorically exempt from environmental review pursuant to Section 15061 (b)(3) of the State's Guidelines for Implementing the California Environmental Quality Act (CEQA) and approve the temporary street closures related to this event. Staff further recommends that the City Council direct staff accordingly regarding the request for in-kind support in the amount of $29,738 for personnel and

equipment resources and the request for the sale and consumption of alcoholic beverages.

DISCUSSION:

The Facilities and Community Services Department manages the administration and issuance of permits for special events held in public areas of the City. Upon the issuance of a special event permit, the event may take place contingent on the event organizer paying the required fees. The City recognizes the value of partnering with non-profit agencies and organizations to provide services beneficial to the community. In an effort to provide support for programs that provide a community benefit, the City Council will, from time to time, consider the authorization of the expenditure of City resources related to a specific special event without reimbursement from non-profit agencies and organizations.

The Kiwanis Club of Redlands (Kiwanis Club) has reserved Smiley Park on Sunday, March 3, 2024, for the annual Run Through Redlands event. There will be three different races taking place on this day; the 5K race starting at 7:45 a.m.; the 10k race starting at 7:00 a.m.; and the 1/2 marathon starting at 7:20 a.m.

According to the application, this event presents an opportunity for a healthy family event in the city. This event will increase the ability of the Kiwani's Club of Redlands to make financial contributions to city entities and events and supporting organizations who work with and support young people, and support the awarding of scholarships to graduating seniors in Redlands High Schools, attracting both local and non-local participants and supporters. The event is expected to include 2000 local residents and 750 non-residents. The Kiwanis Club is also requesting permission to serve alcohol at the event that will end no later than 2:00 pm.

Additionally, street closures are being requested to accommodate the event with specific routes and times indicated in the attached packet. Eureka Street and Redlands Boulevard and Eureka Street and State Street from 6:30 a.m. to 10:00 a.m.; Center Street and Brookside Avenue from 6:30 a.m. to 8:30 a.m; Brookside Avenue and Eureka Street from 6:30 a.m. to 8:30 a.m; Fern Avenue and Cajon Street from 7:00 a.m. to 8:15 a.m; Fern Avenue and Redlands Boulevard from 7:15 a.m. to 8:15 a.m; and San Mateo Street and Olive Avenue from 7:00 a.m. to 9:00 a.m.

The Kiwanis Club is requesting a waiver of fees and departmental resources including personnel and equipment for the following departments: Police, Fire, and Facilities and Community Services. The Kiwanis Club is a registered non-profit organization operating out of the City of Redlands. The City Council waived fees in the amount of $29,415 for the Run Through Redlands event in 2023.

The Kiwanis Club will be responsible for operating and obtaining the Daily License to Serve Alcohol from the Office of Alcohol Beverage Control. City Council approval is also necessary to authorize the consumption of alcohol for this event due to its location. Staff's approval authority is limited to only enclosed public areas in public parks as defined by Resolution No. 7559 and therefore the approval of this request is outside of staff's purview.

The event is categorically exempt from the requirements of the California Environmental Quality Act's guidelines pursuant to Section 15061 (b)(3). This section includes the permitting of existing public facilities involving negligible or no expansion of use beyond that existing at the time of the lead agency's determination.

ALTERNATIVES:

The City Council has the option of denying the request or waiving a portion of the fees.

STRATEGIC PLAN:

Supports Priority A - Quality of Life; Strategic Objective 1. Beautification, Arts and Culture: Enhance community events to better reflect the Redlands' diversity and demographics.

SUBMITTED BY:
Tabitha Crocker, Facilities and Community Services Department Director

RECOMMENDED BY:
Charles M. Duggan Jr., City Manager

REVIEWED BY:
Danielle Garcia, Management Services/Finance Director
Janice McConnell, Assistant City Manager

PREPARED BY:
Amber N. Davis, Administrative Assistant

Fiscal Impact

Fiscal Year: FY 2023-24

Amount: $29,738.00

Discussion:

In anticipation of the City Council's consideration of this request, staff has compiled the following table outlining costs related to fees established by Resolution of the City Council and departmental charges pertaining to personnel and equipment resources necessary for the support of the event. The departmental charges are costs outside of normal City operations that would not be incurred by the City if the special event was not taking place.

Departmental Charges (Personnel & Equipment)	**2024 Amount**	**Type**	**2023 Amount**
Police Personnel[1]	$28,672.00	Hard Cost	$26,880.00
Fire Personnel[1]	$0.00	Hard Cost	$0.00
Facilities & Community Services Personnel[1]	$900.00	Hard Cost	$1,960.00
Personnel & Equipment Subtotal	**$29,572.00**		**$28,840.00**
Fees Established by City Council Resolution			
Park Reservation	$166.00	Soft Cost	$335.00
FCS Equipment	$0.00	Soft Cost	$240.00
Fire Equipment	$0.00	Soft Cost	$0.00
Fees Subtotal	**$166.00**		**$575.00**
Total Departmental Charges and Fees	**$29,738.00**		**$29,415.00**
	$** 29,572.00 (hard cost) **$ 166.00 (soft cost) **$ 29,738.00 (Total)**		$28,840.00 (hard cost) $575.00 (soft cost) **$29,415.00 (total)**

[1]Personnel costs are calculated conservatively assuming the highest staff cost scenario. Actual costs may vary on the day of the event based on the actual staff present. Actual costs will be confirmed following the event and will be included in a reconciliation report presented to the City Council.

The following table summarizes the total estimated costs associated with the use of City resources and waiver of fees approved for events scheduled during Fiscal Year 2023-24 to date:

TABLE 2: FY 2023-24 Fee Waivers to date

Hard Costs	Soft Costs	Deposits Refunded	Waiver Amount	Net Amount
$218,490.14	$15,695.96	$	$234,186.10	$234,168.10

Attachments

Run Through Redlands In Kind
Verification of Non-Profit
Street Closure Request
ABC Permit Request
Event Maps

City of Redlands *In-Kind Support Request*

Event Name: Run Through Redlands

Event Date(s): March 2 & 3 **Location(s):** smiley library grass, Smiley Park , various streets

Rain Out Date: None **Beginning Time:** 5 am **End Time:** 3/2 3 pm; 3/31 pm

Describe Your Request:

This completed form with all supporting documentation shall be submitted a minimum of 60 days prior to the scheduled event. Additional information may be attached to this application form, as needed.

1. Use of grassy areas in front of library for perr/late registration 3/2 and 3/3. Set up on Friday 3/2.
Use of designated streets3/3
2.Smiley Park

Select and Describe All City Provided Services That May Apply to Your Request :

- [x] Traffic (*Personnel, equipment, cones, barricades, no-parking*)
- [x] Police (*Public Safety Personnel*)
- [x] Fire (*Paramedics, Inspectors*) on regular duty call only
- [x] Parks (*Cleanup Personnel, Ball Field Lights*) Smiley Park
- [ ] Facility

Refuse/Recycling (*Event Receptacles, Roll-Off Service*) acquired by Event Organizers through Redlands Customer Service

Section 13.65 of the Redlands Municipal Code requires that events that serve more than 2,000 individuals per day will be required to submit for review and approval a Large Venue Recycling Plan. The Quality of Life Department may require smaller events to comply with City recycling practices as a condition of waiving fees.

- [ ] Other

Group/Organization Name:

Is your Group/Organization a Registered Non-Profit: [x] Yes [ ] No **Non-Profit Federal Tax ID Number:** 95-1702793

Does your Group/Organization Presently Have Liability Insurance? [x] Yes [ ] No *Please be advised that depending upon your request, you may be required to provide proof of insurance coverage in an amount determined by the City and naming the City as an additional insured.*

Has your Group/Organization received fee waivers from the City in the past? Yes

Primary Contact Name & Title: Donna Ferracone - RTR Steering Committee

Mailing Address: 0261 Ferndale Ct. Redlands 92374

Phone Number: 951-218-0595 **E-Mail Address:** donna.ferracone2@verizon.net

Updated 6/2021

As a part of our commitment to fiscal responsibility, the City of Redlands gathers data associated with the economic and social benefits associated with in-kind support. Please provide estimates, as applicable, for your event.

Positive outcomes for your organization from this

opportunity for a healthy family event in the City. Increae the ability of the Kiwanis Club of Redlands to make financial contributions to city entities and events and supporting organizations who work with and support yoth, and to support the awarding of scholarhips to graduating seniors in Redlands High Schools. Potential new club members and sponsors for this event.

Describe what economic benefit and impact this event will bring to the City:

advertises community activity in Redlands. Participants and other supporters from outside Redlands come for the vent which supports hotels, restaurants and other businesses in the City.

In April 2002, the City Council adopted Resolution No. 6038, which encourages groups or organizations requesting in-kind support from the City to use local businesses when procuring goods and services associated with the event. Receipts will need to be submitted through a follow up form. Failure to submit post event documentation (within 15 days) may affect future requests.

	Proposed Event	Previous Event Actuals	Vendors
Attendance: Redlands Residents	2000	1900	
Attendance: Non-Residents	750	500	
Food & Beverage Sales	None	None	
Merchandise Sales	None	None	
Ticket/Entrance Fees	70,000	70,000	
Other	40,000	40,000	
Total Revenue	110,000	110,00	

I certify that all statements on this application are true and complete to the best of my knowledge.

Signature: Donna Ferracone **Title:** Steering Committee Member

Please Print Your Name: Donna Ferracone **Date:** 11/3/23

To Be Completed by the City of Redlands

Date Received: **Received By:**

Notes:

City Manager Approval: City Council Approval:

KIWANIS CLUB OF REDLANDS K00749

EIN: [redacted] | United States

Copies of Returns (990, 990-EZ, 990-PF, 990-T)

Electronic copies (images) of Forms 990, 990-EZ, 990-PF or 990-T returns filed with the IRS by charities and non-profits.

- **Tax Year 2021 Form 990EO**
- **Tax Year 2019 Form 990EO**
- **Tax Year 2018 Form 990EO**
- **Tax Year 2017 Form 990EO**
- **Tax Year 2016 Form 990EO**

Event: RUN THROUGH REDLANDS

PERMIT TO CLOSE STREET FOR SOCIAL EVENT(S)

Permission to close a street for an event is subject to the following requirements:

1.	**Street Closure Diagram MUST be attached. (Failure to submit diagram will result in non-issuance of permit).**
2.	**Event Flyer or Event Description MUST be attached. (Failure to submit flyer or event description will result in non-issuance of permit).**
3.	**Applicant MUST provide insurance coverage per City's requirements (see reverse)**
4.	Written permission from all residents of the effected portion of the street MUST be attached.
5.	No tables or other objects shall be placed on the street surface.
6.	No alcohol shall be consumed on the street or City right-of-way outside of a permitted area.
7.	Temporary No Parking Signs and barricades shall be supplied and posted by City Staff
8.	Affected street(s) shall remain accessible for emergency vehicles and local traffic at all times.
9.	This permit pertains only to the closing of the street(s). This permit does not relate to the type of activity, noise, or any other aspect of the event. All other applicable and appropriate ordinances and laws apply.

Permission is hereby granted to: The Kiwanis Club of Redlands -Run Through Redlands

To close (street names) see attache list

Between (street names) _____

On (date) 3/3/24 from (time) 5:00 am/pm to (time) 1:00 am/pm

Address of Applicant: PO Box 8427 Redlands, CA 923 75

Signature of Applicant: Donna Terracese Phone No. 951-218-0595

Condition(s): _____

Event Description: Run Through Redlands - 5K, 10K and 1/2 Marathon

FOR OFFICE USE ONLY

This permit must be signed by the Chief of Police in order to be valid.

1. _____ _____
   Chief of Police — Date
2. _____ _____
   Municipal Utilities & Engineering Department — Date
3. _____ _____
   Facilities & Community Services Department — Date
4. _____ _____
   Risk Management Division — Date

Staff Notes:

RUN THROUGH REDLANDS

STREET CLOSURES

MARCH 3, 2024

1.	Eureka and Redlands Blvd.	6:30 am – 10 am
2.	Eureka and State St.	6:30 and – 10 am
3.	Center and Brookside	6:30 am – 8:30 am
4.	Brookside and Eureka	6:30 am – 8:30 am
5.	Fern and Cajon	7:00 am – 8:15 am
6.	Fern and Redlands Blvd	7:15 am – 8:15 am
7.	San Mateo and Olive	7:00 am – 9 am

State of California

DAILY LICENSE APPLICATION

Department of Alcoholic Beverage Control

ABC USE ONLY		
License #	Receipt #	Fee $
Conditions Requested ☐ Yes ☐ No		Diagram Requested ☐ Yes ☐ No
License Type ☐ B & W ☐ General ☐ Special		

Complete all applicable items. Submit this application to your local ABC District Office with the required fee payable to ABC. To determine fee(s) due, visit https://www.abc.ca.gov/licensing/license-fees. Once the daily license is issued, fees cannot be refunded. Listing of ABC District Office is available at https://www.abc.ca.gov/contact/. Please visit https://www.abc.ca.gov/abc-221-instructions/ for further instructions.

SECTION 1. ORGANIZATION AND LICENSE TYPE INFORMATION

Organization Name	Tax ID
The Kiwanis Club of Redlands	
Organization Mailing Address	
P.O. Box 8427 Redlands, CA 92375	

LICENSE TYPE

☐ Special Daily Beer and Wine
- ☐ Amateur Sports Organization
- ☑ Charitable
- ☐ Civic
- ☐ Cultural
- ☐ Fraternal
- ☐ Political
- ☐ Religious
- ☐ Social
- ☐ Other:

☐ Daily General
- ☐ Political Party/Affiliate Supporting Candidate for Public Office or Ballot Measure
- ☐ Organization Formed for Specific Charitable or Civic Purpose
- ☐ Fraternal Organization in Existence over Five Years with Regular Membership
- ☐ Religious Organization
- ☐ Vessel per Section 24045.10 B&P ($50.00)

☐ Special Temporary License
- ☐ Television Station per Section 24045.2 or 24045.9 B&P
- ☐ Non-profit Corporation per Section 24045.4 and 24045.6 B&P
- ☐ Person conducting Estate Wine Sale per Section 24045.8 B&P
- ☐ Women's Educational and Charitable Organization per Section 24045.3 B&P
- ☐ Other Special Temporary License Per Section:

License #: Amount:

SECTION 2. EVENT DETAILS

Event Dates	Total # of Days	Hours of Alcoholic Beverage Sales, Service and/or consumption	Virtual Event
March 3, 2024	1	7am To 2pm	☐ Yes ☑ No *Mark Yes, if the event is 100% virtual*

Event Address (Street #, name, and city)	Event Location Description (Jones Park, Pavilion A, etc.)	Location Within the City Limit
25 Granr Street Redlands, CA 92373	Redlands Bowl	☑ Yes ☐ No

Event Type	Type of Entertainment	Event Open to Public
☐Barbeque ☐Dinner ☑Sporting Event ☐Birthday ☐Festival ☐Social Gathering ☐Concert ☐Lunch ☐Wedding ☐Carnival ☐Mixer ☐Other: ☐Dance ☐Picnic	Running Races	☑ Yes ☐ No

Estimated Attendance	Security Guard	If Yes, how many	Outdoor Event
2000	☐Yes ☐No	2	☑ Yes* ☐ No **If Yes, a diagram of the event area is required*

REQUIRED

☑ By checking this box, you are certifying that you understand the requirements detailed in Business and Professions (B&P) Code Section 25682(c) which state that a nonprofit organization that has obtained a temporary daily license from the department must designate a person(s) to receive RBS training certification prior to the event, and that designated person(s) shall remain onsite for the duration of the event.

SECTION 3. CONTACT INFORMATION

Contact Person	Phone Number	Email Address
Donna Ferracone	951-218-0595	donna.ferracone2@verizon.net

SECTION 4. SIGNATURES AND APPROVALS

I attest that I am authorized by the organization named above to make this application on its behalf.

Organization's Authorized Representative Name	Phone Number	Signature	Date Signed
Mark Miles	951-712-1077		
Property Owner Approval By (Name) Required	Phone Number	Signature	Date Signed
Law Enforcement Approval By (Name), If applicable	Phone Number	Signature	Date Signed
District Office Approval By (Name)	Phone Number	ABC Employee Signature	Issuance Date

The above named organization is hereby licensed, pursuant to the California B&P Code Division 9 and California Code of Regulations, to engage in the temporary sale of alcoholic beverages for consumption at the abovenamed location for the period authorized above. B&P Code Section 25682(c) requires that a designated RBS-trained person(s) shall remain on site for the duration of the event. Failure to comply with this requirement will result in immediate cancellation of the permit. **This license may be revoked summarily by the Department if, in the opinion of the Department and/or the local law enforcement agency, it is necessary to protect the safety, welfare, health, peace and morals of the people of the State.**

Department of Alcoholic Beverage Control

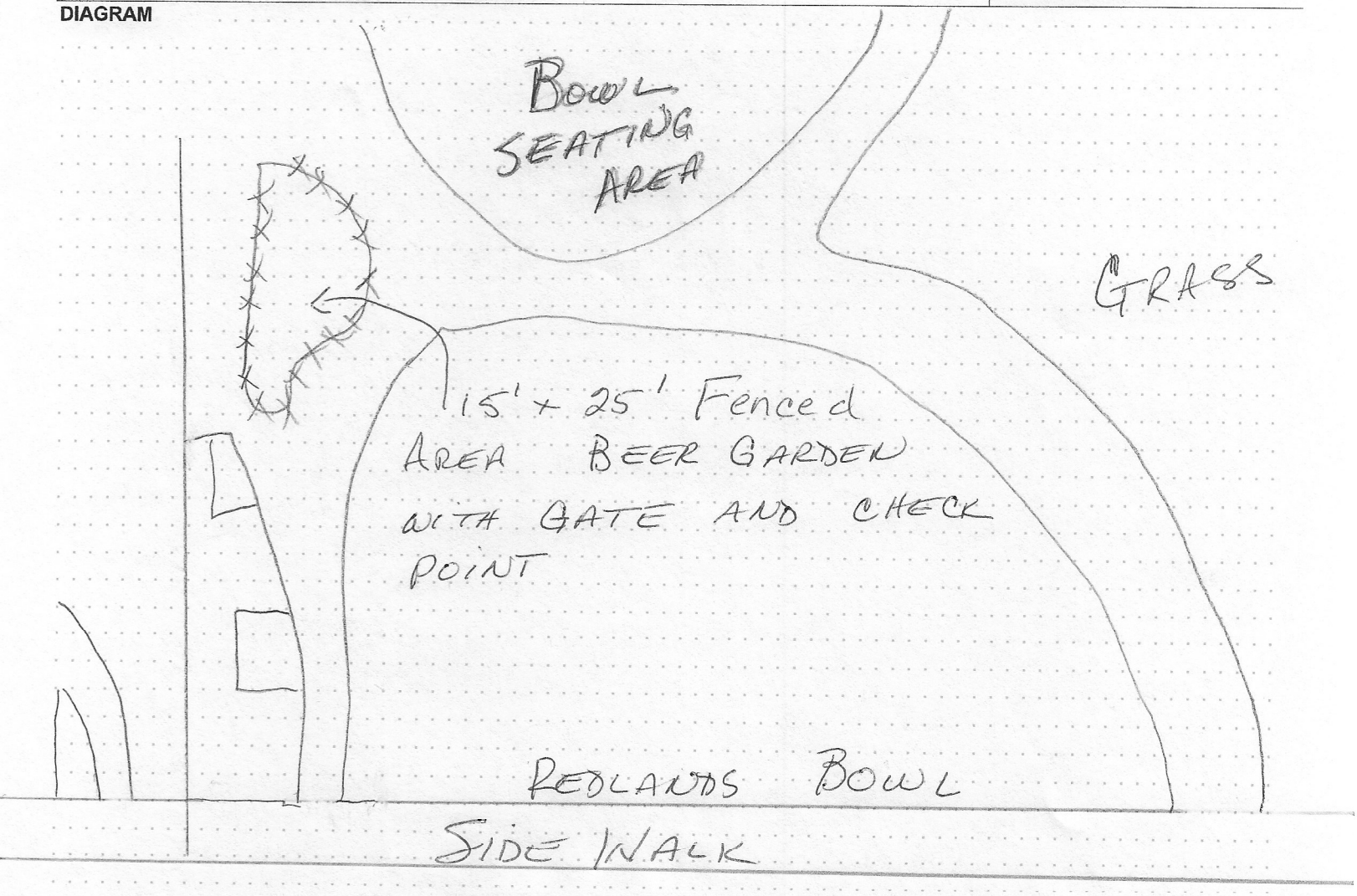
State of California
Gavin Newsom, Governor

SUPPLEMENTAL DIAGRAM

Instructions to Applicant:
Draw a sketch of the area on which the licensed premises is or will be located Show adjacent structures and nearest cross streets. *If this is an event for a daily license, catering authorization, event authorization or miscellaneous use, show the area where sales and consumption of alcoholic beverages will occur. Post a copy of this diagram with Daily License, Catering Authorization or Event Authorization where the event is held. Sales and consumption of alcoholic beverages must be confined to the area designated in the diagram and supervised to prevent violations of the Alcoholic Beverage Control Act.*

1. APPLICANT NAME (Last, first, middle)	2. LICENSE TYPE
The Kiwanis Club of Redlands	Special Daily
3. PREMISES ADDRESS (Street number and name, city, zip code)	**4. NEAREST CROSS STREET**
35 Grant St. Redlands, CA 92373	Brookside

DIAGRAM



I have read the above instructions and I declare under penalty of perjury that the above diagram is true and correct.

APPLICANT SIGNATURE	DATE SIGNED
Donna Terracose	12/13/23

FOR ABC USE ONLY

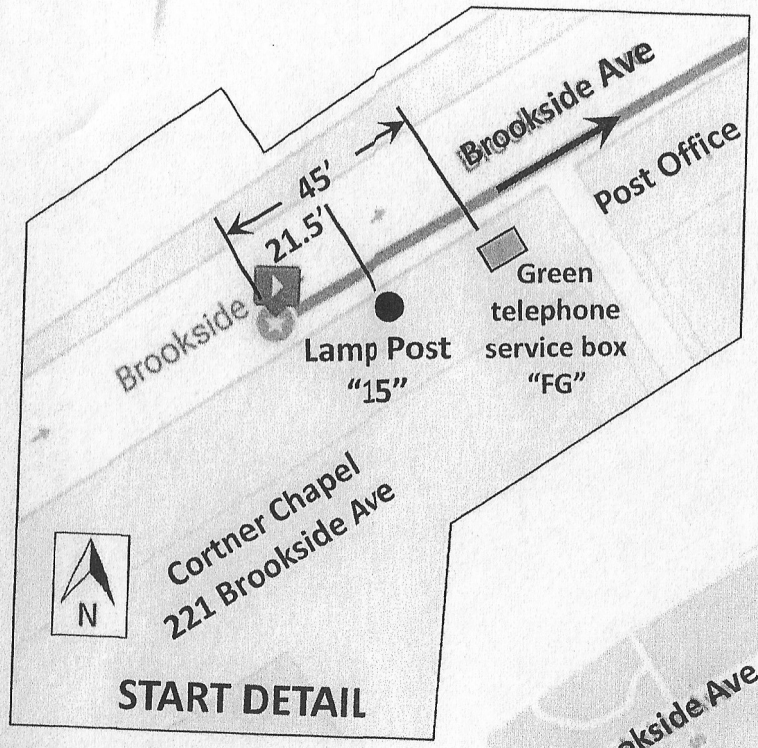
CERTIFIED CORRECT (Signature)	PRINTED NAME	INSPECTION DATE

ABC-253 (rev. 07/19)

A Run Through Redlands 5K – Redlands, CA

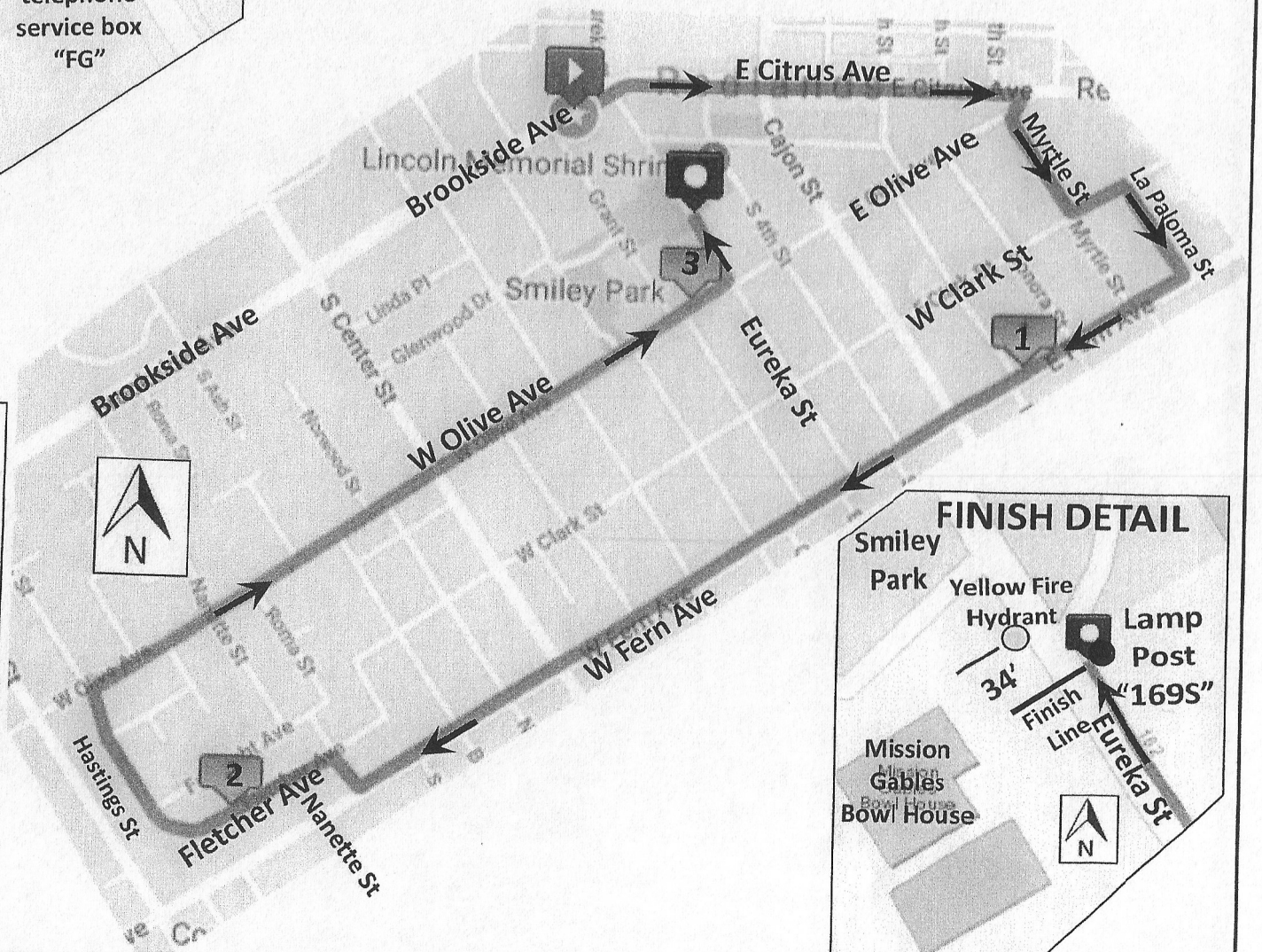
Measured and Map drawn by Todd E. Byers
(byers_todd2@hotmail.com)

Measurements are shortest possible route (SPR) unless otherwise noted. Map not to scale.



START - On Brookside Ave, 21.5' before (SW) of lamp post 15 and 45' before (SW of) large green telephone service box "FG" on right in Redlands, CA

Finish - Mile 3.1069 On Eureka St, directly at light post "169S" on right and beside Redlands Bowl on left and 34' before yellow fire hydrant on left in Redlands, CA.

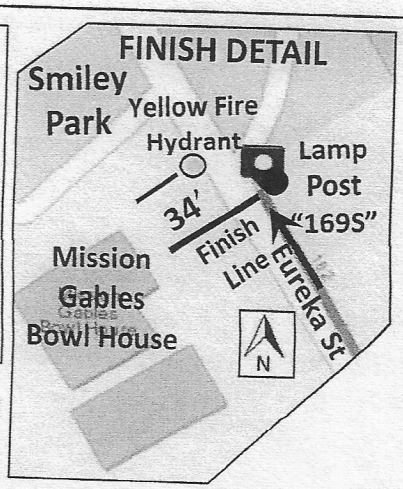


A Run Through Redlands 10K
Redlands, CA

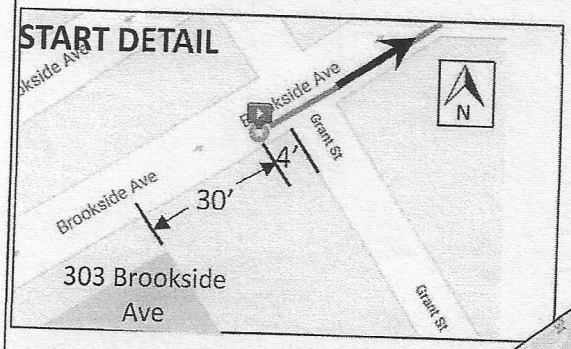
Measured and Map drawn by:
Todd E. Byers
(byers_todd2@hotmail.com)

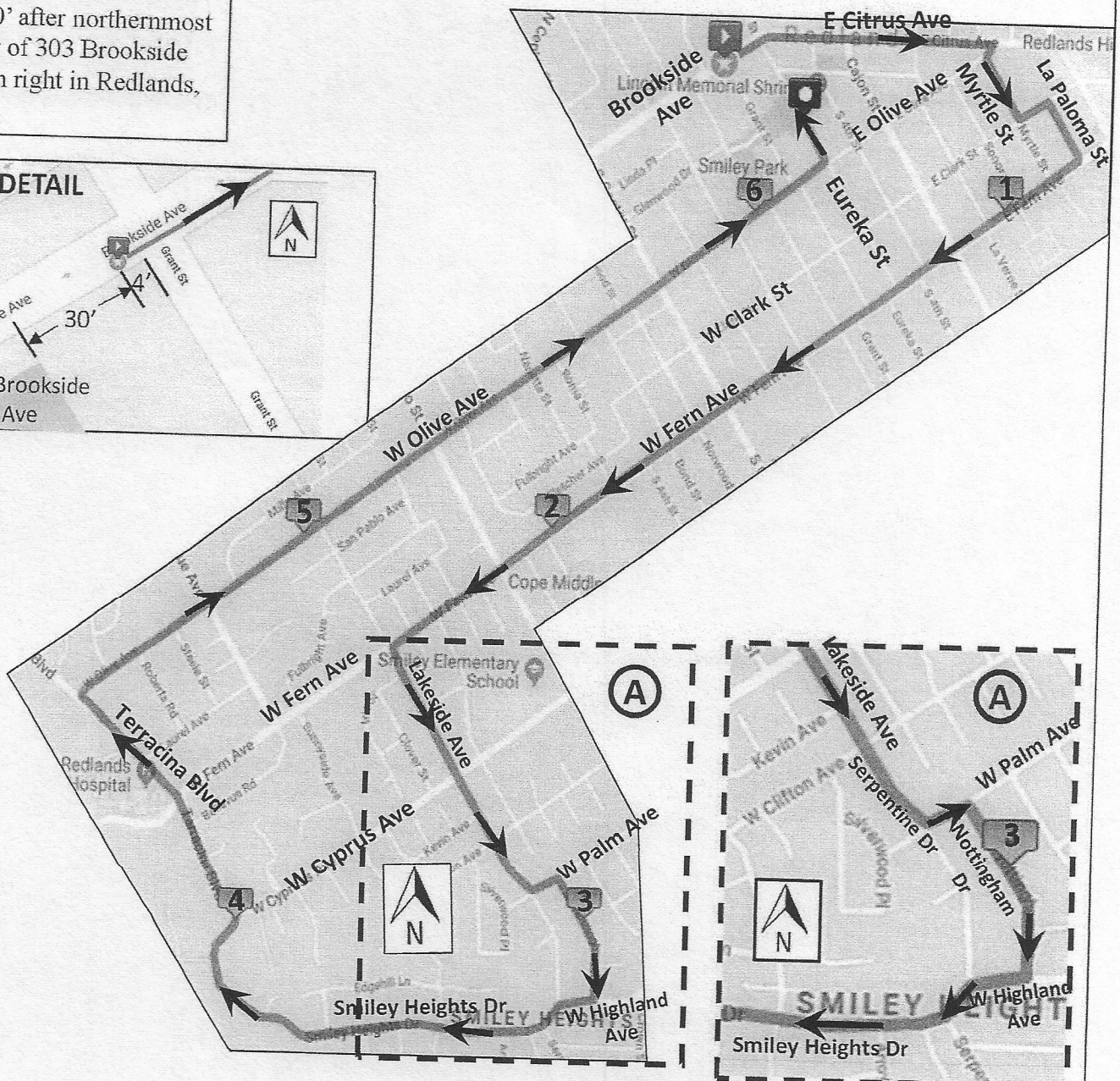
Measurements are shortest possible route (SPR) unless otherwise noted. Map not to scale.

Finish - Mile 6.2137 On Eureka St, directly at light post "169S" on right and beside Redlands Bowl on left and 34' before yellow fire hydrant on left In Redlands, CA.



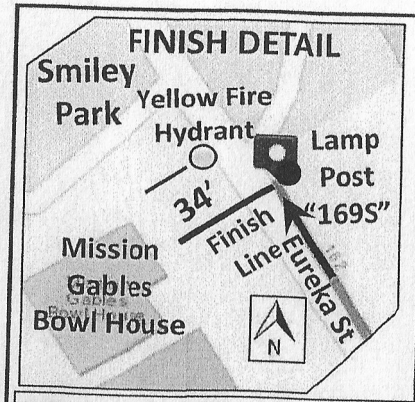
START - On Brookside Ave 4' before intersection with Grant St. and 30' after northernmost corner of 303 Brookside Ave on right in Redlands, CA

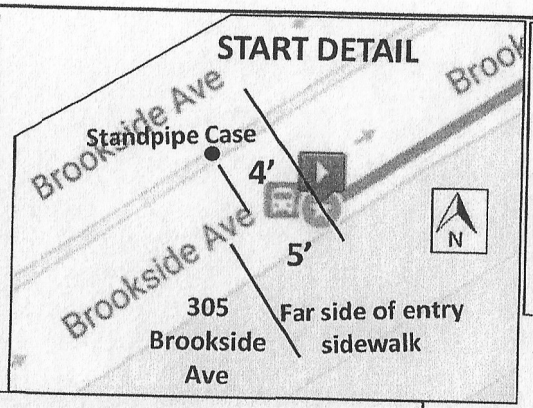




A Run Through Redlands Half Marathon – Redlands, CA

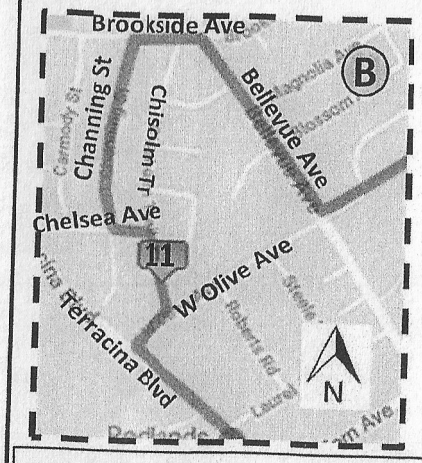
Measured and Map drawn by
Todd E. Byers (byers_todd2@hotmail.com)
Measurements are shortest possible route (SPR) unless otherwise noted. Map not to scale.

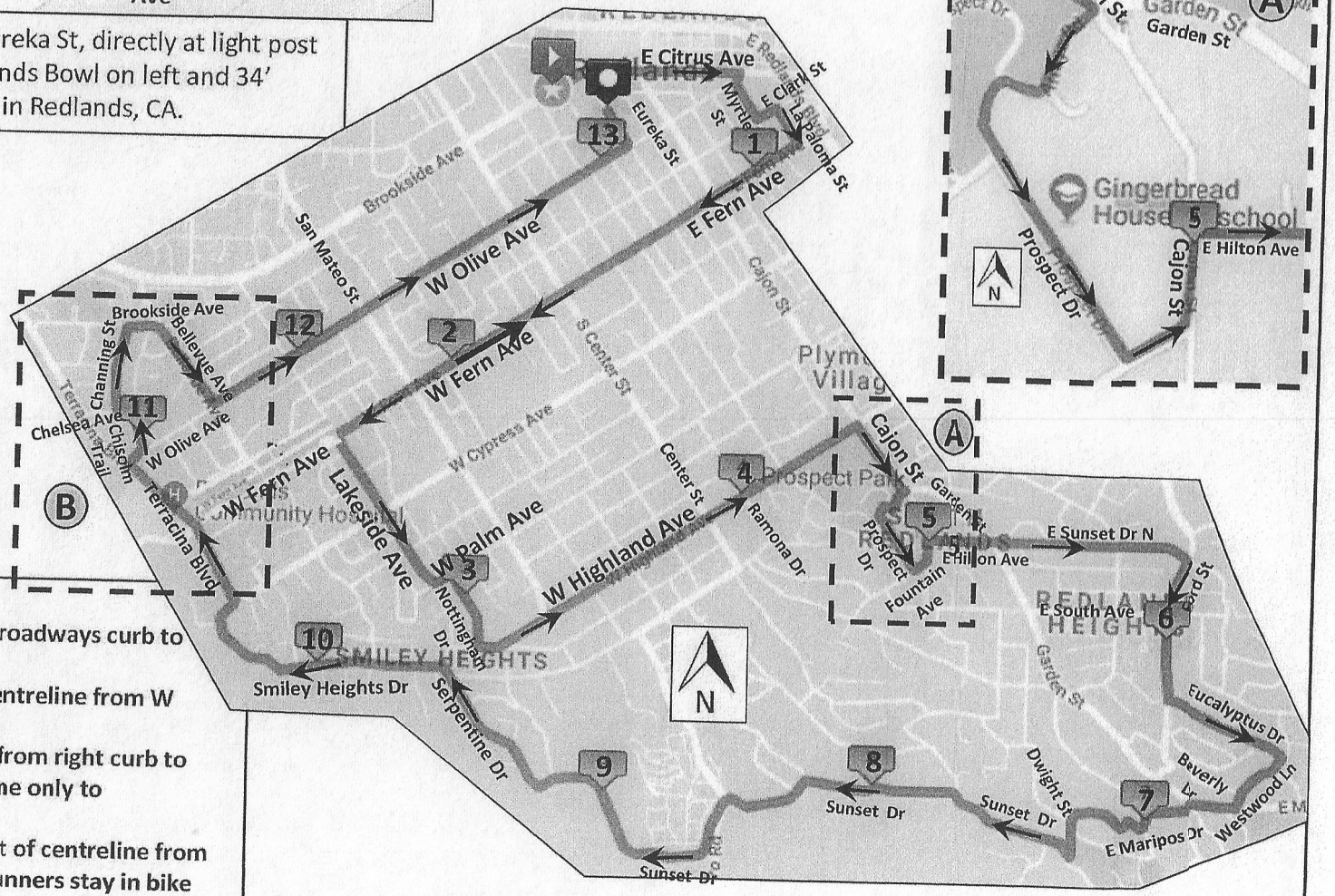


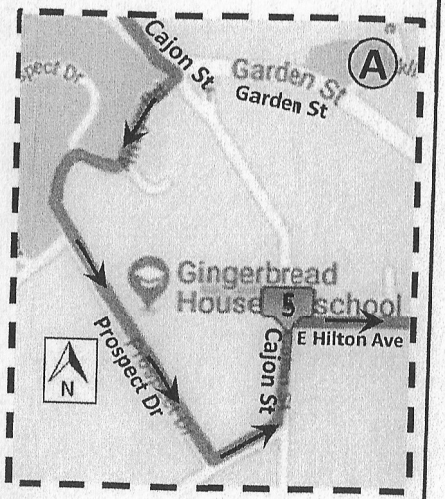


START - On Brookside Ave, 5'10" past North side of entry sidewalk to 305 Brookside Ave on Right and 4' past (North of) standpipe case in median on left.

Finish - Mile 13.1094 On Eureka St, directly at light post "169S" on right and beside Redlands Bowl on left and 34' before yellow fire hydrant on left in Redlands, CA.







Road Restrictions:
Runners have access to full width of roadways curb to curb with the following exceptions:

- On Cajon St, runners stay right of centreline from W Highland Ave to Prospect Dr.
- On Ford St, runners have only 12 ft from right curb to Valley Prepatory School then right lane only to Eucapyptus
- On Terracina Blvd: runners stay right of centreline from Smiley Heights Dr to W Olive Ave. Runners stay in bike lane

City Council Meeting **H. 6.**

DATE: 02/20/2024

TO: Honorable Mayor and City Council Members

SUBJECT: Approve the request for commercial vendors and the temporary closure of State Street for the Art-On-State-Street event on March 24, 2023, and determine that the event is categorically exempt from environmental review pursuant to Section 15311 of the State's guidelines implementing the California Environmental Quality Act (Facilities and Community Services Department Director Crocker)

MOTION(S):

If the City Council determines that the request is appropriate, the following motions are provided:

1. I move that the City Council determine that approval of the event is exempt from environmental review pursuant to Section 15311(c) of the State's guidelines implementing the California Environmental Quality Act; and
2. I move to approve the Art-On-State-Street event and authorize the temporary street closure on March 24, 2024.

RECOMMENDATION:

Staff recommends that the City Council direct staff accordingly regarding the event, commercial vendors and temporary street closure request of East State Street from 6th Street to 7th Street, between the hours of 7:30 a.m. to 6:00 p.m. for the Art-On-State-Street event hosted by the Redlands Art Association on March 24, 2024.

DISCUSSION:

The Facilities and Community Services Department manages the administration and issuance of permits for special events held in public areas of the City. Upon issuing a special event permit, the event may take place contingent on the event organizer paying the required fees. The City recognizes the value of partnering with non-profit agencies and organizations to provide services beneficial to the community.

The non-profit organization, Redlands Art Association, has hosted other events in Redlands and is requesting to hold the Art-On-State-Street event on Sunday, March 24th, on East State Street between 6th and 7th Streets from 8:30 a.m. to 5:30 p.m. The Redlands Art Association is a 501(c)3 organization that intends to use proceeds from the event to further art education at their art center downtown. The Redlands Art Association is also requesting to have commercial vendors with various sales of artwork, approximately 39 artists or vendors. City Council approval is required for the event because of the request for the temporary street closure and because the municipal code prohibits commercial activity and special events to take place within a city street.

The City Council has approved commercial activity within a city street for non-profit events in the past. Therefore, the Council's approval is needed for this request. Should the City Council elect to approve the event, the following conditions of approval will apply: The event will be held on East State Street from 6th Street to 7th Street; All commercial vendors shall have a current City of Redlands business license to participate in the event; and the event shall comply with all County of San Bernardino Health Permit regulations.

ALTERNATIVES:

The City Council may elect to deny the event, commercial activity, or temporary street closure.

STRATEGIC PLAN:

Priority A - Quality of Life, Strategic Objective 1. Beautification, Arts, and Culture. Enhance community events to better reflect Redlands' diversity and demographics.

SUBMITTED BY:
Tabitha Crocker, Facilities and Community Services Department Director

RECOMMENDED BY:
Charles M. Duggan Jr., City Manager

REVIEWED BY:
Janice McConnell, Assistant City Manager
Christopher Boatman, Assistant City Manager
Danielle Garcia, Management Services/Finance Director

PREPARED BY:
Amber N. Davis, Administrative Assistant

Fiscal Impact

Fiscal Year: FY 2023/24

Discussion:

Should the event receive approval, the applicant will be responsible for covering any relevant fees associated with it.

Attachments

Street Closure Request
Art-On-State St Closure
Non-Profit Verification Letter

Event: Art on State 3/24/24

PERMIT TO CLOSE STREET FOR SOCIAL EVENT(S)

Permission to close a street for an event is subject to the following requirements:

1.	**Street Closure Diagram MUST be attached. (Failure to submit diagram will result in non-issuance of permit).**
2.	**Event Flyer or Event Description MUST be attached. (Failure to submit flyer or event description will result in non-issuance of permit).**
3.	**Applicant MUST provide insurance coverage per City's requirements (see reverse)**
4.	Written permission from all residents of the effected portion of the street MUST be attached.
5.	No tables or other objects shall be placed on the street surface.
6.	No alcohol shall be consumed on the street or City right-of-way outside of a permitted area.
7.	Temporary No Parking Signs and barricades shall be supplied and posted by City Staff
8.	Affected street(s) shall remain accessible for emergency vehicles and local traffic at all times.
9.	This permit pertains only to the closing of the street(s). This permit does not relate to the type of activity, noise, or any other aspect of the event. All other applicable and appropriate ordinances and laws apply.

Permission is hereby granted to: Redlands Art Association

To close (street names) E. State St.

Between (street names) 6th St. and 7th St.

On (date) 3/24/24 **Event times -** from (time) 8 ☑ am ☐ pm to (time) 6 ☐ am ☑ pm

Address of Applicant: 215 E. State St.

Signature of Applicant: Sandy Davis Phone No. 909 273-4598

Condition(s): _____

Event Description: Semi-Annual Fine Arts and Crafts show/sale

FOR OFFICE USE ONLY

This permit must be signed by the Chief of Police in order to be valid.

1. _____ _____
   Chief of Police — Date

2. _____ _____
   Municipal Utilities & Engineering Department — Date

3. _____ _____
   Facilities & Community Services Department — Date

4. _____ _____
   Risk Management Division — Date

Street Closure time: From 6 ☑ am ☐ pm To 7 ☐ am ☑ pm

Staff Notes:

Art-On-State Street Closure Map



Department of the Treasury
Internal Revenue Service
Tax Exempt and Government Entities
P.O. Box 2508
Cincinnati, OH 45201

Date:
03/18/2022

Employer ID number:
[redacted]

Person to contact:
Name: Customer Service
ID number: 31954
Telephone: (877) 829-5500

Accounting period ending:
December 31

Public charity status:
170(b)(1)(A)(vi)

Form 990 / 990-EZ / 990-N required:
Yes

Effective date of exemption:
November 15, 2020

Contribution deductibility:
Yes

Addendum applies:
No

DLN:
[redacted]

REDLANDS ART ASSOCIATION
C/O SUZANNE BURKE
215 EAST STATE STATE STREET
REDLANDS, CA 92373

Dear Applicant:

We're pleased to tell you we determined you're exempt from federal income tax under Internal Revenue Code (IRC) Section 501(c)(3). Donors can deduct contributions they make to you under IRC Section 170. You're also qualified to receive tax deductible bequests, devises, transfers or gifts under Section 2055, 2106, or 2522. This letter could help resolve questions on your exempt status. Please keep it for your records.

Organizations exempt under IRC Section 501(c)(3) are further classified as either public charities or private foundations. We determined you're a public charity under the IRC Section listed at the top of this letter.

Based on the information you submitted with your application, we approved your request for reinstatement under Revenue Procedure 2014-11. Your effective date of exemption, as listed at the top of this letter, is retroactive to your date of revocation.

If we indicated at the top of this letter that you're required to file Form 990/990-EZ/990-N, our records show you're required to file an annual information return (Form 990 or Form 990-EZ) or electronic notice (Form 990-N, the e-Postcard). If you don't file a required return or notice for three consecutive years, your exempt status will be automatically revoked.

If we indicated at the top of this letter that an addendum applies, the enclosed addendum is an integral part of this letter.

For important information about your responsibilities as a tax-exempt organization, go to www.irs.gov/charities. Enter "4221-PC" in the search bar to view Publication 4221-PC, Compliance Guide for 501(c)(3) Public Charities, which describes your recordkeeping, reporting, and disclosure requirements.

Sincerely,

Stephen A. Martin
Director, Exempt Organizations
Rulings and Agreements

City Council Meeting **H. 7.**

DATE: 02/20/2024

TO: Honorable Mayor and City Council Members

SUBJECT: Approve the in-kind support request of $5,734.00 from Kid's Cures Foundation, for the Downtown Redlands Artwalk to be held on March 17, 2024; approve a request to close East State and 5th Street; authorize the request for the sale and consumption of alcoholic beverages in Ed Hales Park; and determine that the approval of the request is exempt from environmental review pursuant to Section 15311(c) of the state's guidelines implementing the California Environmental Quality Act (Facilities and Community Services Department Crocker)

MOTION(S):

If the City Council determines that staff's recommendation is appropriate, the following motions are provided:

1. I move that the City Council determine that approval of the event is exempt from environmental review pursuant to Section 15311(c) of the state's guidelines implementing the California Environmental Quality Act; and
2. I move to approve a request for in-kind support of $5,734.00 for this event; and authorize the temporary street closures on March 17, 2024, and approve the request for the sale and consumption of alcoholic beverages in Ed Hales Park.

RECOMMENDATION:

Staff recommends that City Council determine that approval of the event is exempt from environmental review pursuant to Section 15311(c) of the state's guidelines implementing the California Environmental Quality Act (CEQA) and approve the temporary street closure of East State St. and 5th St. on March 17, 2024, for the Artwalk event. Additionally, staff recommends that the City Council direct staff accordingly concerning the request for in-kind support and the request for the sale and consumption of alcoholic beverages.

DISCUSSION:

The Facilities and Community Services Department manages the administration and issuance of permits for special events held in public areas of the City. Upon the issuance of a special event permit, the event may take place contingent on the event organizer paying the required fees. The city recognizes the value of partnering with non-profit agencies and organizations to provide services beneficial to the community. In an effort to provide support for programs that provide a community benefit, the City Council will, from time to time, consider the authorization of in-kind support including the use of city resources and facilities in support of a special event.

The Kid's Cures Foundation has reserved Ed Hales Park for Sunday, March 17, 2024, from 9:00 a.m. to 7:00 p.m., for the Downtown Redlands Artwalk event. They are also requesting approval to temporarily close East State Street from Orange Street to 7th Street and 5th Street from Redlands Boulevard to State Street for the event, from 7:00 a.m. to 8:00 p.m.

Additionally, they are requesting in-kind support in the amount of $5,734.00 for departmental resources including Police personnel, and the reservation of Ed Hales Park. City Council approved an in-kind support request for $8,344.00 relating to Downtown Redlands Artwalk event hosted by the Kid's Cures Foundation held on October 29, 2023. The Kid's Cures foundation is a non-profit organization operating out of the City of Beaumont, CA. The Citrograph Foundation will be responsible for operating the proposed pouring station and for obtaining the daily license to serve alcohol from the Office of Alcohol Beverage Control.

The Citrograph Foundation is requesting permission to serve beer and wine at the event that will start at 9:00 a.m. and end no later than 7:00 p.m on March 17, 2024. The City Council's approval is necessary to authorize the consumption of alcohol for this event due to its location. Staff's approval authority is limited to only enclosed public areas in public parks as defined by Resolution No. 7559; therefore, the granting of this request is outside city staff's purview.

The event is exempt from the requirements of the California Environmental Quality Act’s guidelines pursuant to Section 15311(c). Section 15311(c), accessory structures Class 11, consists of construction, or replacement of minor structure accessory to existing commercial, industrial, or institutional facilities, including placement of seasonal or temporary use items such as mobile food units, portable restrooms or similar items in generally the same locations from time to time in publicly owned parks or other facilities designed for public use.

ALTERNATIVES:

The City Council may deny the request or waive a portion of the fees.

STRATEGIC PLAN:

Priority A - Quality of Life, Strategic Objective 1. Beautification, Arts and Culture.

SUBMITTED BY:
Tabitha Crocker, Facilities and Community Services Department Crocker

RECOMMENDED BY:
Charles M. Duggan Jr., City Manager

REVIEWED BY:
Janice McConnell, Assistant City Manager
Christopher Boatman, Assistant City Manager
Danielle Garcia, Management Services/Finance Director

PREPARED BY:
Amber N. Davis, Administrative Assistant

Fiscal Impact

Fiscal Year: FY 2023/24

Amount: $5,734.00

Discussion:

In anticipation of the City Council's consideration of this request, staff has compiled the following table outlining costs related to fees established by Resolution of the City Council and departmental charges pertaining to personnel and equipment resources necessary for the support of the event. The departmental charges are costs outside of normal City operations that would not be incurred by the City if the special event was not taking place.

Departmental Charges (Personnel & Equipment)	**2024 Amount**	**Type**	**2023 Amount**
Police Personnel[1]	$4,440.00	Hard Cost	$5,450.00
Fire Personnel[1]	$0.00	Hard Cost	$0.00
Facilities & Community Services Personnel[1]	$1,200.00	Hard Cost	$2,800.00
Personnel & Equipment Subtotal	**$5,640.00**		**$8,250.00**

Fees Established by City Council Resolution			
Park Reservation	$94.00	Soft Cost	$94.00
FCS Equipment	$0.00	Soft Cost	$0.00
Fire Equipment	$0.00	Soft Cost	$0.00
Fees Subtotal			
Total Departmental Charges and Fees	**$94.00**		$94.00
	$5,640.00 (Hard Cost) $94.00 (Soft Cost) **$5,734.00 (Total)**		$8,250.00 (Hard Cost) $94.00 (Soft Cost) **$8,344.00 (total)**

[1]Personnel costs are calculated conservatively assuming the highest staff cost scenario. Actual costs may vary on the day of the event based on the actual staff present. Actual costs will be confirmed following the event and will be included in a reconciliation report presented to the City Council.

The following table summarizes the total estimated costs associated with the use of City resources and waiver of fees approved for events scheduled during Fiscal Year 2023-24 to date:

TABLE 2: FY 2023-24 Fee Waivers to date

Hard Costs	Soft Costs	Deposits Refunded	Waiver Amount	Net Amount
$218,490.14	$15,695.96	$	$234,186.10	$234,168.10

Attachments

In-Kind Support Request
Verification of Non-Profit
ABC Permit Request
DTR Closure Map
DTR Street Closure Form

City of Redlands *In-Kind Support Request*

Event Name: Downtown Redlands Artwalk

Event Date(s): March 17 2024 **Location(s):** State Street (orange to 7th), Ed Hales Park

Rain Out Date: N/A **Beginning Time:** 9 am **End Time:** 7pm

Describe Your Request:

This completed form with all supporting documentation shall be submitted a minimum of 60 days prior to the scheduled event. Additional information may be attached to this application form, as needed.

Looking to bring back the official DTR Artwalk we have held for many years. We are planning on including a Car/Motorcycle section with this event. We will have live music and a beer garden as many years past. Jax Toys will also have an area for children and other business owners on the street are excited to be a part of this event.

Select and Describe All City Provided Services That May Apply to Your Request :

- [x] Traffic (*Personnel, equipment, cones, barricades, no-parking* — no parking signs, barricades blocking the street
- [x] Police (*Public Safety Personnel)* — security
- [ ] Fire (*Paramedics, Inspectors)*
- [ ] Parks *(Cleanup Personnel, Ball Field Lights)*
- [x] Facility — Ed Hales Park

Refuse/Recycling *(Event Receptacles, Roll-Off Service)* acquired by Event Organizers through Redlands Customer Service

Section 13.65 of the Redlands Municipal Code requires that events that serve more than 2,000 individuals per day will be required to submit for review and approval a Large Venue Recycling Plan. The Quality of Life Department may require smaller events to comply with City recycling practices as a condition of waiving fees.

- [ ] Other

Group/Organization Name: Kid's Cures Foundation

Is your Group/Organization a Registered Non-Profit: [x] Yes [ ] No **Non-Profit Federal Tax ID Number:** #26-3909923

Does your Group/Organization Presently Have Liability Insurance? [ ] Yes [ ] No

Please be advised that depending upon your request, you may be required to provide proof of insurance coverage in an amount determined by the City and naming the City as an additional insured.

Has your Group/Organization received fee waivers from the City in the past?

Primary Contact Name & Title: Jeff Platt, President

Mailing Address: 906 Beaumont Ave, Beaumont CA. 92223

Phone Number: 951-769-8700 **E-Mail Address:** info@kidscures.org

As a part of our commitment to fiscal responsibility, the City of Redlands gathers data associated with the economic and social benefits associated with in-kind support. Please provide estimates, as applicable, for your event.

Positive outcomes for your organization from this

Bring awareness to a great organization that was built from such a tragic loss. A commitment to bring funds to help/supply/show children that art can be therapeutic to their healing and struggle. This organization also provides gifts for children during the holidays so parents can focus on being with their children and not worry about them feeling left out when it comes to gifts and support.

Describe what economic benefit and impact this event will bring to the City:

It brings people to downtown state street where it benefits the businesses that are open on Saturday. Knowing that this giving city played a part in providing for children that are struggling is just another motion that reflects what this city stands for. We have businesses on State St that are involved in the return of this event. The last event was a great success with tons of positive feedback from so many people in the community. We had guests from out of state to come and visit Redlands and shop at the local businesses that were opened on Sunday.

In April 2002, the City Council adopted Resolution No. 6038, which encourages groups or organizations requesting in-kind support from the City to use local businesses when procuring goods and services associated with the event. Receipts will need to be submitted through a follow up form. Failure to submit post event documentation (within 15 days) may affect future requests.

	Proposed Event	Previous Event Actuals	Vendors
Attendance: Redlands Residents	1500	1500	25
Attendance: Non-Residents	1000	1000	20
Food & Beverage Sales	0	0	0
Merchandise Sales	0	0	0
Ticket/Entrance Fees	N/A	N/A	N/A
Other			
Total Revenue	2500	2500	45

I certify that all statements on this application are true and complete to the best of my knowledge.

Signature: Jessie Klaas **Title:** Main Event Coordinator

Please Print Your Name: Jessie Klaas **Date:** 10/30/2023

To Be Completed by the City of Redlands

Date Received: **Received By:**

Notes:

City Manager Approval: City Council Approval:

Youth Hope Foundation

EIN: 80-0513481 | Redlands, California, United States

Other Names

THE YOUTH HOPE FOUNDATION

Publication 78 Data

Organizations eligible to receive tax-deductible charitable contributions. Users may rely on this list in determining deductibility of their contributions.

On Publication 78 Data List: Yes

Deductibility Code: PC

Determination Letter

A favorable determination letter is issued by the IRS if an organization meets the requirements for tax-exempt status under the Code section the organization applied.

Final Letter(s)

- FinalLetter_80-0513481_THEYOUTHHOPEFOUNDATION_04212010_01.tif [https://apps.irs.gov/pub/epostcard/dl/FinalLetter_80-0513481_THEYOUTHHOPEFOUNDATION_04212010_01.tif]
- FinalLetter_80-0513481_THEYOUTHHOPEFOUNDATION_04212010_02.tif [https://apps.irs.gov/pub/epostcard/dl/FinalLetter_80-0513481_THEYOUTHHOPEFOUNDATION_04212010_02.tif]

Copies of Returns (990, 990-EZ, 990-PF, 990-T)

Electronic copies (images) of Forms 990, 990-EZ, 990-PF or 990-T returns filed with the IRS by charities and non-profits.

CITY OF REDLANDS
APPLICATION REQUESTING AUTHORIZATION TO SERVE ALCOHOL

TYPE OF EVENT Downtown Redlands Artwalk

PROPOSED LOCATION Ed Hales Park

APPLICANT'S INFORMATION

ORGANIZATION'S NAME: Citrograph Foundation

CONTACT PERSON: Al Hernandez PHONE: 909-792-3901

ADDRESS 113 E State St Redlands CA 92373

EVENT INFORMATION

DATE OF EVENT March 17, 2024 HOURS 11-6

NAME OF EVENT Downtown Redlands Artwalk

ARE FEES BEING CHARGED FOR EVENT? ☐ YES ☒ NO PRICE

ARE FEES BEING CHARGED FOR ALCOHOL? ☒ YES ☐ NO PRICE $8-$15

TYPE OF ALCOHOL BEING SERVED? X Beer Wine Distilled Spirits

RELEASE, HOLD HARMLESS AND AGREEMENT NOT TO SUE

I, the undersigned, representing the DTR Artwalk and in consideration of being permitted to conduct the Event, agree that the members/participants of DTR Artwalk shall defend, indemnify and hold harmless the City of Redlands, its elected officials, officers, boards, commissions, agents and employees from and against any and all claims, demands, actions, suits, damages, liabilities and judgments of every kind and nature and regardless of the merit of the same, arising out of the use of City of Redlands' park facilities.

The members/participants of DTR Artwalk hereby release, discharge and agree not to sue the City of Redlands for any injury, death or damage to or loss of property arising out of or in connection with this event from whatever cause.

I HAVE CAREFULLY READ THIS RELEASE, HOLD HARMLESS AND AGREEMENT NOT TO SUE AND FULLY UNDERSTAND ITS CONTENTS. I REPRESENT I HAVE THE FULL AUTHORITY TO EXECUTE THIS FULL RELEASE OF LIABILITY ON BEHALF OF THE MEMBERS/PARTICIPANTS OF DTR Artwalk AND THAT I HAVE SIGNED THIS AGREEMENT ON

Date 10/30/2024 Signature

AUTHORIZATION

Pursuant to the use of alcohol within the City property noted above, the City of Redlands grants you permission to do so with the following conditions set forth by the City Council:

ALCOHOL RELATED TO PARKS:

Redlands Municipal Code, Section 12.44.270 does allow, "through the permitting process, the consumption of alcoholic beverages or liquors in enclosed public areas in public parks. The enclosed area is comprised of these areas which have been approved for use and secured by a barrier, portable fence, screen or materials approved by the Quality of Life Director.

Tape or ribbon of some kind may also be used for setting off the area for which the alcoholic beverage is served and consumed. Alcohol sales and distribution shall stop one hour prior to end of event unless otherwise directed by PD or ABC office.

ALCOHOL RELATED TO AIRPORT:

12.56.090: USE OF INTOXICATING LIQUOR OR DRUGS: No person shall operate or assist in the operation of any aircraft while under the influence of, or using, any intoxicating liquor or habit forming or hallucinatory or narcotic drug. No alcoholic beverage may be consumed or sold on the airport unless the city council shall have approved and designated the place for the sale and consumption thereof. (Ord. 1431 § C(4), 1971)

DEPARTMENT REQUIREMENTS

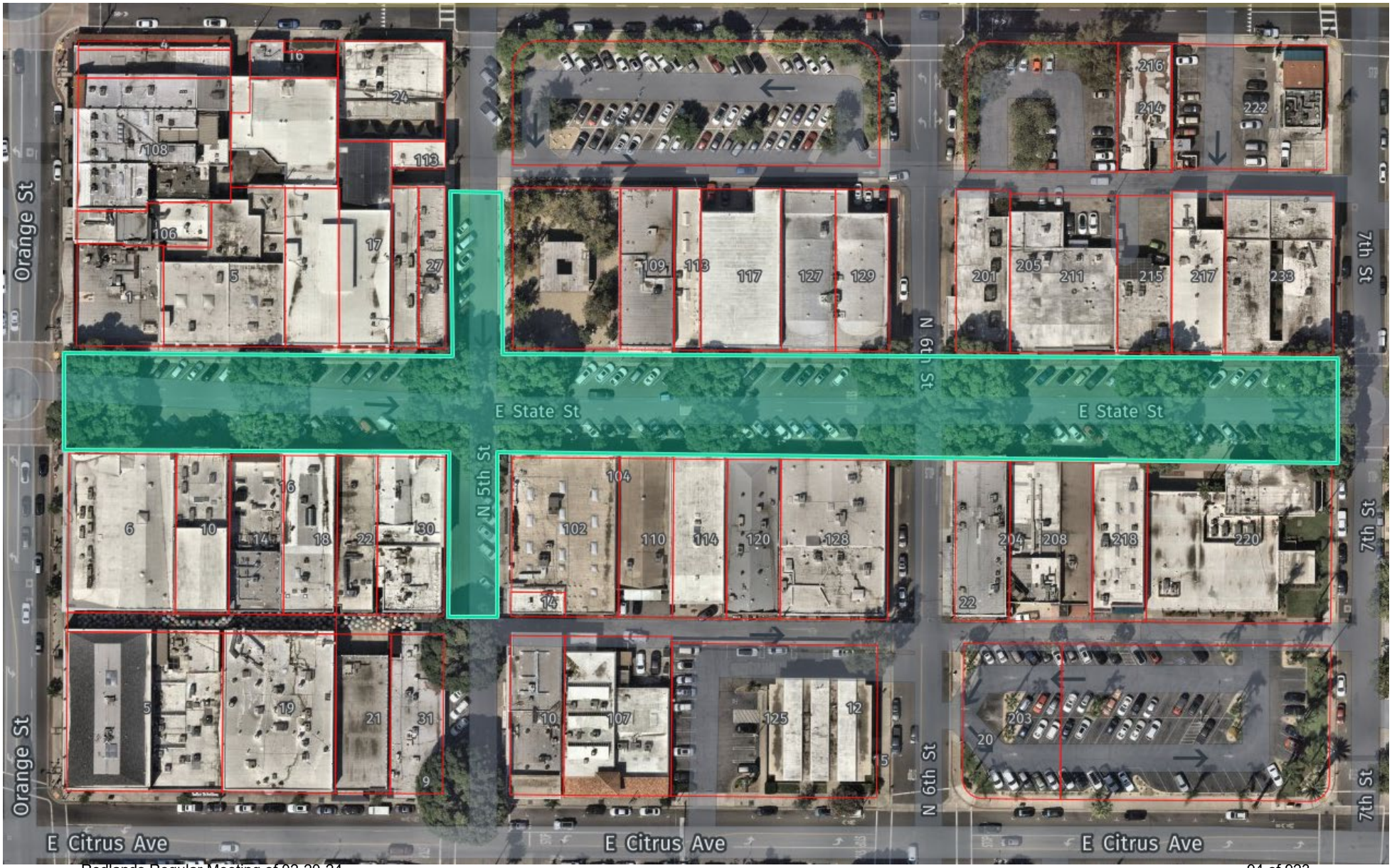
DEPARTMENT	REQUIREMENTS	FEES	APPROVAL SIGNATURE
QUALITY OF LIFE			☐ E-mail attached
POLICE DEPT			☐ E-mail attached
FIRE DEPT			☐ E-mail attached
MUED			☐ E-mail attached
RISK MANAGEMENT			☐ E-mail attached
	TOTAL FEES DUE:		

APPROVED _____ DENIED _____ DATE _____

_____ _____

AUTHORIZED SIGNATURE TITLE

DTR Artwalk Street Closure



Event: DTR Artwalk 3/17/2024

PERMIT TO CLOSE STREET FOR SOCIAL EVENT(S)

Permission to close a street for an event is subject to the following requirements:

1.	**Street Closure Diagram MUST be attached. (Failure to submit diagram will result in non-issuance of permit).**
2.	**Event Flyer or Event Description MUST be attached. (Failure to submit flyer or event description will result in non-issuance of permit).**
3.	**Applicant MUST provide insurance coverage per City's requirements (see reverse)**
4.	Written permission from all residents of the effected portion of the street MUST be attached.
5.	No tables or other objects shall be placed on the street surface.
6.	No alcohol shall be consumed on the street or City right-of-way outside of a permitted area.
7.	Temporary No Parking Signs and barricades shall be supplied and posted by City Staff
8.	Affected street(s) shall remain accessible for emergency vehicles and local traffic at all times.
9.	This permit pertains only to the closing of the street(s). This permit does not relate to the type of activity, noise, or any other aspect of the event. All other applicable and appropriate ordinances and laws apply.

Permission is hereby granted to: Jessie Klass

To close (street names) State Street and Ed Hales Park

Between (street names) Orange and 7th Street

On (date) 3/17/24 from (time) 7:00 am/pm to (time) 8:00 am/pm

Address of Applicant: 35015 Nicklaus Nook

Signature of Applicant: _____ Phone No. 909-205-2465

Condition(s): Permission to have signs up advising the street will be closed in the morning

Event Description: Official DTR Artwalk of Redlands, with car and motorcycle show included

FOR OFFICE USE ONLY

This permit must be signed by the Chief of Police in order to be valid.

1. _____ _____
   Chief of Police — Date

2. _____ _____
   Municipal Utilities & Engineering Department — Date

3. _____ _____
   Facilities & Community Services Department — Date

4. _____ _____
   Risk Management Division — Date

Staff Notes:

City Council Meeting **H. 8.**

DATE: 02/20/2024

TO: Honorable Mayor and City Council Members

SUBJECT: Approve the Grant Agreement with Larry Jacinto Construction, Inc. in the amount of $200,000 for the construction of a parking lot to serve the Zanja Trail; approve an additional appropriation of the same amount from the Downtown Parking Reserve, and determine that the granting of funds serves a public purpose (Facilities and Community Services Department Director Crocker)

MOTION(S):

If the City Council determines that staff's recommendation is appropriate, the following motions are provided:

1. I move that the City Council approve an additional appropriation in the amount of $200,000 from the Downtown Parking Reserve; and

2. I move that the City Council determine that the granting of funds to Larry Jacinto Construction, Inc. for the construction of the Zanja Trail parking lot and street improvements serves a public purpose; and

3. I move to approve a Grant Agreement with Larry Jacinto Construction, Inc. in the amount of $200,000 for the construction of a parking lot and street improvements to serve the Zanja Trail.

RECOMMENDATION:

Staff recommends that the City Council approve an additional appropriation in the amount of $200,000 to be drawn from the Downtown Parking Reserve. Additionally, staff recommends that City Council approve the grant agreement with Larry Jacinto Construction, Inc. and determine that the granting of funds to Larry Jacinto Construction, Inc. serves a public purpose by facilitating an increase in parking in the downtown area, which will in turn contribute to the City's goals of enhancing tourism and economic development.

DISCUSSION:

The City approved the conceptual plan for the Zanja Trail and Greenway project in December 2015. The trail is multi-use, predominantly located adjacent to Mill Creek Zanja, between Wabash Avenue and 7th Street. The trail is intended to be part of a regional trail network which also includes the Orange Blossom Trail and the Santa Ana River Trail. On February 2017, the City approved the development of a segment of the trail from Wabash Avenue to Lincoln Avenue which was funded by a private donation. The trail segment from Wabash Avenue to Lincoln Street, along with the adjoining park, was completed in March 2019.

City staff have been working with the donor's representative, the Redlands Conservancy, since 2017 to plan and construct the next trail segment located between 7th Street and Church Street. This segment is approximately 0.4 miles in length and is characterized as a pedestrian trail with a varying width between 6 and 12 feet. Landscaping will include native trees and shrubs with interpretive way-finding and mile-marking signs. In addition, an existing city parking lot containing 40 parking spaces will be improved with new pavement, landscaping, and a trail segment located along its southerly boundary.

On November 21, 2023, the City Council approved a License Agreement with Larry Jacinto Construction, Inc. authorizing the construction of the Zanja Trail between Church Street and 9th Street and a parking lot serving the Zanja Trail between 7th Street and 9th Street. The parking lot improvements will also add 17 new spaces to the downtown area. The planned project improvements are estimated at $471,878 as well as $174,000 for a storm tech system. The Redlands Conservancy is requesting funds to offset the cost for street improvements. The attached Grant Agreement with Larry Jacinto Construction, Inc. would provide funding for street improvements for $200,000. This will provide street improvements to help complete the adjacent new parking area, improve circulation, complete sidewalk and enhance pedestrian safety. In addition to the parking lot and street improvements proposed, Hatfield Buick will also be dedicating land for a sidewalk easement along 9th Street to provide additional land for sidewalk improvements and connectivity to the trail segment.

Should this agreement be approved, construction will commence on February 21, 2024.

In accordance with the California Environmental Quality Act, a Mitigated Negative Declaration (MND) was prepared for this project. The MND includes nine mitigation measures in the following categories: Biological Resources, Cultural Resources, Hazardous and Hazardous Materials, Noise, Transportation/ Traffic, and Tribal Cultural Resources. The MND and plans were considered and adopted by the City Council at the meeting on February 4, 2020. Upon completion of the designated trail segment and parking lot, the City will be responsible for ongoing maintenance and repairs. Long-term maintenance of the trail will require approximately $9,000 per year in additional funding.

ALTERNATIVES:

The City Council may deny the approval of the Grant Agreement with Larry Jacinto Construction, Inc. or provide staff alternate direction.

STRATEGIC PLAN:

Objective D-11: Zanja Trail & Greenway Park Development. This project supports Objective D-11 of the City's Strategic Plan to complete the Zanja Trail & Greenway Park Development by identifying public-private partnerships in support of the completion of the project.

SUBMITTED BY:
Tabitha Crocker, Facilities and Community Services Department Director

RECOMMENDED BY:
Charles M. Duggan Jr., City Manager

REVIEWED BY:
Yvette M. Abich Garcia, City Attorney
Janice McConnell, Assistant City Manager
Christopher Boatman, Assistant City Manager
Danielle Garcia, Management Services/Finance Director

PREPARED BY:
Joe Bierma, Administrative Analyst

Fiscal Impact

Fiscal Year: 2023-2024

Appropriation Required Y/N: Yes

Amount: $200,000.00

Budgeted Y/N: Yes

Discussion:

The Grant Agreement with Larry Jacinto Construction, Inc. for parking lot construction and street improvements will be funded through the Downtown Parking Reserve. Maintenance is estimated to require approximately $9,000 in additional funding per year. Staff has included the additional funding in the current fiscal year budget. The current balance in the account is $1,194,001. After the deduction of $200,000, the remaining balance will be $994,001.

Attachments

Agreement

Parking Lot Map

Additional Appropriation

AGREEMENT BETWEEN THE CITY OF REDLANDS AND LARRY JACINTO CONSTRUCTION, INC. FOR THE GRANT OF FUNDS FOR IMPROVEMENTS TO THE PROPOSED ZANJA TRAIL PARKING LOT

This agreement ("Agreement") for the grant of City funds for improvements to the proposed parking lot serving the Zanja Trail is made and entered into this 20th day of February, 2024 ("Effective Date"), by and between the City of Redlands, a California municipal corporation and general law city ("City"), and Larry Jacinto Construction, Inc. a California corporation ("Grantee"). City and Grantee are sometimes individually referred to herein as a "Party" and, together, as the "Parties."

RECITALS

WHEREAS, the City Council is in receipt of a grant proposal submitted by Larry Jacinto Construction, Inc. which requests funding for the completion of certain improvements associated with the construction of the proposed Zanja Trail; and

WHEREAS, City has found and determined that the provision of funds to Grantee for the improvements to the parking lot serves a public purpose for the reason that the funds will facilitate the increase in downtown parking to the Redlands community and contribute to the City's goals of enhancing tourism and economic development;"

NOW, THEREFORE, in consideration of the mutual promises contained herein, the Parties agree as follows:

AGREEMENT

Section 1. Grant. City hereby grants to Grantee the sum of Two Hundred Thousand dollars ($200,000.00) (the "Grant Funds") pursuant to the request of Grantee set forth in its grant proposal, which is attached hereto as Exhibit "A" and incorporated herein by this reference. City shall disburse the Grant Funds to Grantee on or before February 29, 2024.

Section 2. Restrictions on Use of Funds. Grantee warrants and represents that the Grant Funds shall not be used for any activity that would violate City, State, or federal statutory or decisional law, and shall be expended solely for improvements Grantee proposes to make to the Zanja Trail parking lot as more particularly described in Exhibit "A" (the "Improvement Work"). In the event the Grant Funds are not used for the Improvement Work, Grantee shall provide written notification to City and shall return the Grant Funds in full to City within ten (10) days of such notice. If the Grant Funds are not fully expended by or before May 3, 2024, Grantee shall return the unexpended Grant Funds to City within thirty (30) days of such date.

Section 3. Compliance with California Labor Code. In performing the Improvement Work, Grantee shall comply with all applicable federal, state, and local laws, including, but not limited to, any applicable provisions of the California Labor Code. City makes no representation to Grantee as to whether the Improvement Work constitutes a "Public Work" as that term is defined by California Labor Code section 1720, and Grantee acknowledges and agrees that Grantee shall be solely responsible and liable for the determination of whether such Improvement Work constitutes a "Public Work." Grantee further acknowledges and agrees that City's sole obligation under this

Agreement is to provide Grantee with the Grant Funds, and that City is not an awarding authority for any contract entered into by Grantee for the Improvement Work, nor is City otherwise undertaking any "Public Work" for purposes of California Labor Code section 1781. Grantee shall defend, indemnify, and hold harmless City and its elected and appointed officials, officers, and employees from and against any and all losses, damages, costs, claims, causes of action and liability based upon the assertion that City or Grantee has failed to comply with any applicable provision of the California Labor Code in connection with Grantee's undertaking of the Improvement Work.

Section 4. Reporting and Accounting Requirements.

A. Grantee shall maintain true, proper, and complete books, records, and accounts (collectively, "Books and Records") in which shall be entered fully and accurately all transactions taken with respect to the Improvement Work and the expenditure of the Grant Funds. Grantee shall maintain the Books and Records in accordance with Generally Accepted Accounting Principles.

B. City reserves the right to designate its employee representatives, or its contracted representatives with a Certified Public Accounting firm, who shall have the right to audit Grantee's Books and Records as they relate to the Grant Proposal, and to examine any cost, revenue, payment, claim or other records or supporting documentation relating to Grantee's use and expenditure of the Grant Funds. Any such audit shall be undertaken by City or its representatives at mutually agreed upon reasonable times, and in conformance with generally accepted auditing standards. Grantee agrees to fully cooperate with any such audit.

C. City's right to audit shall extend for a period of three (3) years following the date of City's provision of the Grant Funds to Grantee. Grantee agrees to retain all records and documentation relating to the Grant Proposal and Grantee's expenditure of the Grant Funds for such period.

Section 5. Indemnification. To the fullest extent permitted by law, Grantee shall indemnify, defend, and hold harmless City, and its elected and appointed officials, officers, employees and agents, (collectively, the "Indemnified Parties") from and against any and all claims (including, without limitation, claims for bodily injury, death or damage to property), demands, obligations, damages, actions, causes of action, suits, losses, judgements, fines, penalties, liabilities, costs and expenses (including, without limitation, attorney's fees, disbursements and court costs) of every kind and nature whatsoever (individually, a "Claim;" collectively, "Claims"), which may arise from or in any manner relate (directly or indirectly) to this Agreement and Grantee's undertaking of the Improvement Work (including the negligent and/or willful acts, error and/or omission of Grantee, its principals, officers, agents, employees, vendors, suppliers, consultants, subcontractors, anyone employed directly or indirectly by any of them or for whose acts they may be liable for any or all of them). Notwithstanding the foregoing, nothing herein shall be construed to require Grantee to indemnify the Indemnified Parties from any Claim arising from the sole negligence or willful misconduct of the Indemnified Parties. This indemnity shall apply to all claims and liability regardless of whether any insurance policies are applicable. The policy limits do not act as a limitation upon the amount of indemnification to be provided by Grantee.

Section 6. Grantee Independence. In the performance of this Agreement, Grantee, and the employees and agents of Grantee, shall act in an independent capacity and are not officers, employees, or agents of City. The manner and means of performing the Improvement Work are under the control of Grantee, except to the extent they are limited by statute, rule, or regulation and the express terms of this Agreement. Nothing in this Agreement shall be deemed to constitute approval for Grantee, or any of Grantee's employees or agents, to be the employees or agents of City. Grantee shall have the responsibility for, and control over, the means of performing the Improvement Work. Anything in this Agreement that may appear to give City the right to direct Grantee as to the details of the performance or to exercise a measure of control over Grantee shall mean only that Grantee shall follow the desires of City with respect to the results of the Improvement Work.

Section 7. Prohibition against Transfers. Grantee shall not assign or transfer this Agreement, directly or indirectly, by operation of law or otherwise, without the prior written consent of City. Any attempt to do so without such written consent of City shall be null and void.

Section 8. Notices. Any notice or other communication required, or which may be given, pursuant to this Agreement, shall be in writing. Any such notice shall be deemed delivered (i) on the date of delivery in person; (ii) five (5) days after deposit in first class registered mail, with return receipt requested; (iii) on the actual delivery date if deposited with an overnight courier; or (iv) on the date sent by facsimile or electronic mail transmission (including PDF), if confirmed with a copy sent contemporaneously by first class, certified, registered or express mail; in each case properly posted and fully prepaid to the appropriate address set forth below, or such other address as a Party may provide notice in accordance with this section:

CITY OF REDLANDS	LARRY JACINTO CONSTRUCTION, INC.
City Clerk City of Redlands 35 Cajon Street P.O. Box 3005 (mailing) Redlands, CA 92373 jdonaldson@cityofredlands.org (909) 798-7531	Larry Jacinto, President Larry Jacinto Construction, Inc. 9555 Wabash Avenue Redlands, CA 92374 (909) 794-2151

Section 9. General Considerations.

A. Waiver. A waiver by either Party of any breach, or of any term, covenant, or condition contained herein, shall not be deemed to be a waiver of any subsequent breach of the same or any other term, covenant, or condition contained herein, whether of the same or a different character.

B. Entire Agreement. This Agreement represents the full and complete understanding of every kind or nature whatsoever between the Parties with respect to its subject matter, and all preliminary negotiations and agreements of whatsoever kind or nature relating to the same are merged herein. No verbal agreement or implied covenant shall be held to vary the provisions herein.

C. Interpretation. The terms of this Agreement shall be construed in accordance with the meaning of the language used and shall not be construed for or against either Party by reason of the authorship of the Agreement or any other rule of improvements which might otherwise apply.

D. Amendment. This Agreement may be modified or amended only by a written document executed by both Grantee and City.

E. Severability. If any term or provision of this Agreement is held to be invalid, illegal, or otherwise unenforceable by a court of competent jurisdiction, the remaining provisions of this Agreement shall continue in full force and effect.

F. Controlling Law and Venue. The Agreement shall be governed by and construed in accordance with the laws of the State of California, without regard to its conflicts of laws provisions. The Parties agree that all actions or proceedings arising in connection with this Agreement shall be tried and litigated only in the state courts located in San Bernardino County, California, and the federal courts located in Riverside County, California.

G. Equal Opportunity Employment. Grantee represents that it is an equal opportunity employer, and it shall not discriminate against any contractor, employee, or applicant for employment because of race, religion, color, national origin, handicap, ancestry, sex or age.

H. Attorney's Fees. In the event any action is commenced to enforce or interpret any term or provision of this Agreement, the prevailing Party in such action, in addition to costs and any other relief, shall be entitled to the recovery of its reasonable attorneys' fees, including fees for a Party's use of in-house counsel.

IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed as of its Effective Date.

CITY OF REDLANDS

_____
Eddie Tejeda, Mayor

LARRY JACINTO CONSTRUCTION, INC.

_____
Larry Jacinto, President

ATTEST

_____
Jeanne Donaldson, City Clerk

EXHIBIT "A"

GRANT PROPOSAL

LARRY JACINTO CONSTRUCTION, INC.
MENTONE BEACH, CA.

LICENSE NO. 458118
P.O. BOX 615, MENTONE, CA 92359

PHONE (909) 794-2151
FAX (909) 794-9382

GENERAL ENGINEERING CONTRACTOR DIR # 1000009334 Ljacinto.com

PROPOSAL

Brendon Carroll
Redlands Conservancy
26930 Barton Road
Redlands, CA 92373

Phone No.: 909-369-5584

Project: Zanja Trail Phase 2, 7th & 9th Streets Only
Prevailing Wage
Demolition, Grading, Concrete, & Paving
Redlands, CA

September 8, 2023
PROPOSAL NO.: 12-0602R3P

Larry Jacinto Construction, Inc. proposes to provide the necessary materials, labor, and equipment to complete the work outlined below:

Demolition, Grading, Concrete and Paving per the attached bid schedule and conditions, Exhibit "A".

WORK SCOPE:
7TH Street East and West side improvements and street crossing.
9th Street West side improvements and street crossing. Excludes 9th Street East side improvements.
Excludes all parking lot improvements, trail work and Church Street Improvements.

Excludes installing new fencing.

All work to be completed in a substantial and workmanlike manner according to standard practices for the sum of :
Two Hundred Seventy Two Thousand Two Hundred Eighty Five & 97/100 Dollars $ 272,285.97

TERMS: Payments to be made bi-weekly as the work progresses to the value of 90% of all work completed. The entire amount of contract to be paid within 30 days after completion.
Any alteration or deviation from the above specifications involving extra costs will only be executed upon written orders for same, and will become an extra charge over the sum mentioned in this contract. All agreements must be made in writing.

"NOTICE TO OWNER"
(Section 7019-Contractors License Law)

Under the Mechanics' Lien Law, any contractor, laborer, materialman or other person who helps to improve your property and is not paid for his labor, services or material, has a right to enforce his claim against your property.

Under the law, you may protect yourself against such claims by filing, before commencing such work of improvement, an original contract for the work of improvement or a modification thereof, in the office of the county recorder of the county where the property is situated and requiring that a contractor's payment bond be recorded in such office. Said bond shall be in an amount not less than fifty percent (50%) of the contract price and shall, in addition to any conditions for the performance of the contract, be conditioned for the payment in full of the claims of all persons furnishing labor, services, equipment or materials for the work described in said contract.

Contractors are required by law to be licensed and regulated by the Contractor's State License Board.
Any Question concerning a contractor may be referred to the registrar of the board whose address is:
Contractor's State License Board, 1020 N Street, Sacramento, California 95814

ACCEPTANCE:
By signing below, this proposal becomes a legally binding contract subject to the terms and conditions contained herein.

Submitted:
By: _____
Title: _____
Date: _____

Accepted:
By: _____
Title: _____
Date: _____

Exhibit A

Redlands Conservancy
Zanja Trail Phase 2, 7th & 9th Streets Only
Redlands, CA

September 8, 2023
Proposal No.: 12-0602R3P

Bid Description	Quantity	Units	Unit Price	Bid Total
MOBILIZATION	1	LS	$ 13,480.00	$ 13,480.00
7TH & 9TH ST IMPROVEMENTS				
REMOVE CONCRETE FLATWORK	188	SF	$ 7.38	$ 1,387.44
SAWCUT & REMOVE AC PAVEMENT	3,860	SF	3.49	13,471.40
REMOVE EXISTING CURB & GUTTER	65	LF	20.00	1,300.00
REMOVE & SALVAGE EXISTING ROCK CURB & GUTTER	69	LF	45.95	3,170.55
RELOCATE K-RAIL	200	LF	11.20	2,240.00
REMOVE EXISTING CHAIN LINK FENCING	190	LF	8.50	1,615.00
REMOVE EXISTING AC BERM	210	LF	8.30	1,743.00
4" CONCRETE SIDEWALK, 112-0	2,114	SF	20.20	42,702.80
CURBS AT RAMPS	78	LF	68.17	5,317.26
INSTALL TRUNCATED DOMES	90	SF	76.00	6,840.00
6" CURB & GUTTER	12	LF	78.20	938.40
8" CURB & GUTTER	296	LF	61.10	18,085.60
VARIABLE & 0" CURB & GUTTER, 120-2 A18	49	LF	89.65	4,392.85
1'W, 8" AC ON NATIVE PAVEMENT PATCH	456	SF	46.46	21,185.76
2.5'W X .2'TH AC GRIND AND OVERLAY	248	SF	15.60	3,868.80
FULL LANE AC GRIND & OVERLAY, .2'TH	4,845	SF	5.38	26,066.10
STAMPED 8" PCC, ADOBE TAN COLOR W/ RELEASE	1,031	SF	60.92	62,808.52
VARIABLE H CURB AT DRIVEWAY RETURNS	31	LF	58.85	1,824.35
8" PCC DRIVEWAY	389	SF	23.26	9,048.14
SIGN & STRIPE	1	LS	9,450.00	9,450.00
TRAFFIC CONTROL	1	LS	21,350.00	21,350.00
		TOTAL 7TH & 9TH STREET IMPROVEMENTS	**$**	**272,285.97**

CONDITIONS:

This proposal is based on the following bid documents:

Construction Plans for Zanja Trail and Greenway Park, Phase 2, by CASC Engineering, Sheets C1.0-C1.6 unapproved.,
No soils report received.

Exhibit A (cont.)

Redlands Conservancy
Zanja Trail Phase 2, 7th & 9th Streets Only
Redlands, CA

September 8, 2023
Proposal No.: 12-0602R3P

CONDITIONS continued:

This proposal includes the following number of move ins for each work category. Additional moves shall be extra as indicated:

	Moves included	Cost of additional moves
Demo	1	$ 2,800.00
Curbs and Gutters, Crosswalks	1	3,800.00
Sidewalks & Approaches	1	3,800.00
AC Paving	1	4,200.00

Bid excludes the cost of: permits, engineering and survey, inspections, testing, construction water.

Price excludes removal or disposal of any unforeseeable subsurface debris, structures, or otherwise unsuitable materials. Excludes handling of any contaminated or hazardous materials.

Bid excludes relocation, removal, or capping of any existing utilities or irrigation.

The following Storm Water Pollution Prevention measures are excluded from this proposal and are to be provided by the Owner/General: The SWPP plan and permit, Notice of Intent, SWPP permit termination, SMARTS updating and uploading, QSP site monitoring and reporting, and storm water testing.

All perimeter erosion and sedimentation BMP's and all items on the Erosion Control Plan are to be installed and maintained by Owner.

Owner to provide and pay for a construction water source with a constant minimum supply of 350 gpm.

Price excludes excavation or handling of rock. Rock is defined as material not productively rippable by a Cat D8N dozer or loadable by a paddlewheel scraper.

This proposal excludes de-watering, water control, and non-conventional excavation of over-saturated materials .

Bid excludes all remedial grading. A soils report was not provided.

Bid excludes: Prime coat, seal coat, soil sterilization.

Concrete work prices are based on using the following concrete mix design: 3250 PSI.

All concrete, except stamped street crossings, to be natural gray color with broom finish.

Bid excludes adjustment of utilities after paving, (manholes, water cans, vaults, etc.)

Exhibit A (cont.)

Redlands Conservancy
Zanja Trail Phase 2, 7th & 9th Streets Only
Redlands, CA

September 8, 2023
Proposal No.: 12-0602R3P

CONDITIONS continued:

This is a unit price bid. Payment to be made on field measured quantities at the above unit prices.

Prevailing wages and certified payroll included. Bonds are excluded.

Traffic Control plan is Excluded. Street closures will be required to complete the work at the stated prices.

If accepted, unit prices to be held firm through December 31, 2023.

This proposal expires 30 days from the above date.

CONSTRUCTION PLANS FOR

ZANJA TRAIL AND GREENWAY PARK, PHASE 2

CITY OF REDLANDS, CA

SCOPE OF WORK:

DEFINED AS THE "WESTERN REACH" OF THE "ZANJA TRAIL & GREENWAY PARK MASTER PLAN", (AUGUST 2015). TO INCLUDE BUT NOT LIMITED TO DEVELOPING 1.20 ACRES OF LAND ALONG THE ZANJA CHANNEL FROM 7TH STREET TO CHURCH STREET FOR PASSIVE RECREATIONAL USE. DESIGN IMPROVEMENTS INCLUDE A TRAIL LINED BY NATIVE TREES AND SHRUBS, INTERPRETATIVE PANELS, RAIL FENCING, A ROADWAY CROSSING, AND WATER SMART IRRIGATION.

CAUTION NOTE:

BEFORE EXCAVATING, VERIFY THE LOCATION OF UNDERGROUND UTILITIES. AT LEAST TWO (2) WORKING DAYS PRIOR TO EXCAVATION, THE CONTRACTOR SHALL REQUEST MARKOUT OF UNDERGROUND UTILITIES BY CALLING THE BELOW LISTED REGIONAL NOTIFICATION CENTER FOR AN INQUIRY IDENTIFICATION NUMBER:

UNDERGROUND SERVICE ALERT 800-422-4133
(GAS, ELECTRIC, TELEPHONE, WATER, SEWER, LIGHTING, AND TV)

1. SECTION 4216/4217 OF THE GOVERNMENT CODE REQUIRES A IDENTIFICATION NUMBER BE ISSUED BEFORE A PERMIT TO EXCAVATE WILL BE VALID. FOR YOUR I.D. NUMBER CALL UNDERGROUND SERVICE ALERT AT 1-800-227-2600 TWO WORKING DAYS BEFORE YOU DIG.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL SUBSTRUCTURES, WHETHER SHOWN HEREON OR NOT, AND PROTECT THEM FROM DAMAGE. THE EXPENSE OF REPAIR OR REPLACEMENT OF SAID SUBSTRUCTURES SHALL BE BORNE BY THE CONTRACTOR.
3. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO ENFORCE SAFETY MEASURES AND REGULATIONS.
4. LOCATION AND ELEVATION OF ALL EXISTING IMPROVEMENTS WITHIN THE AREA OF WORK SHALL BE CONFIRMED BY FIELD MEASUREMENT PRIOR TO CONSTRUCTION OF NEW WORK. CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING FACILITIES.
5. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES TO PROTECT EXISTING IMPROVEMENTS.
6. CONTRACTOR IS RESPONSIBLE FOR POTHOLING PRIOR TO START OF CONSTRUCTION TO VERIFY ALL ELEVATIONS OF UNDERGROUND UTILITIES.
7. CONTRACTOR SHALL HIRE A PRIVATE UTILITY LOCATOR FOR MARK-OUT OF ALL PRIVATE UTILITIES LOCATED ON THE PROPERTY PRIOR TO EXCAVATION.
8. LOCKS FOR THE BOLLARDS SHALL BE THE STANDARD 'AMERICAN' LOCKS TO FACILITATE CITY PERSONNEL ACCESS DURING EMERGENCIES AND NORMAL OPERATIONS.
9. EXISTING FIRE PROTECTION SYSTEMS IN THE AREA OF THE PROJECT, INCLUDING FIRE HYDRANTS, SHALL REMAIN ACCESSIBLE AND OPERABLE.
10. FIRE/ EMERGENCY ACCESS AND SITE SAFETY SHALL BE MAINTAINED DURING PROJECT CONSTRUCTION PHASES IN COMPLIANCE WITH CFC CHAPTER 33, FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.

INSPECTION STAGES:

IN ADDITION TO THE INSPECTOR, LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE TO BE PRESENT AT THE FOLLOWING INSPECTION STAGES:

1. PRE-CONSTRUCTION MEETING.
2. ROUGH GRADING AND DRAINAGE.
3. HARDSCAPE AT TIME OF FINISHED STAKING AND LAYOUT.
4. FINISH GRADING AND SOIL PREPARATION.
5. PROJECT CONSTRUCTION 90% COMPLETE (DEVELOP PUNCH LIST AND SUBMIT RED-LINE AS BUILT).
6. FINAL WALK-THROUGH, ACCEPTANCE BY THE OWNER (CONTRACTOR TO SUBMIT FINAL APPROVED AS-BUILTS TO THE OWNER).

CITY COUNCIL:

EDDIE TEJEDA, MAYOR
PAUL BARICH, MAYOR PRO TEM
DENISE DAVIS, COUNCIL MEMBER
JENNA GUZMAN-LOWERY, COUNCIL MEMBER
MARIO SAUCEDO, COUNCIL MEMBER

CITY CLERK:

JEANNE DONALDSON, CITY CLERK

CITY STAFF:

CHARLES M. DUGGAN JR., CITY MANAGER

APPLICABLE STANDARD DRAWINGS & SPECIFICATIONS:

1. STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (SPPWC) LATEST EDITION.
2. STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC) LATEST EDITION. AKA "GREENBOOK".

DISABLED ACCESS REGULATIONS, TITLE 24, (2010 ADA STANDARDS BASED UPON THE 2004 ADAAG) AND CALIFORNIA STATE ACCESSIBILITY STANDARDS INTERPRETIVE MANUAL (CURRENT REVISION) PREPARED BY THE OFFICE OF THE STATE ARCHITECT AND DEPARTMENT OF REHABILITATION.

2016 CALIFORNIA BUILDING CODE

AMERICANS WITH DISABILITIES ACT REGULATION: ADA/ABA (THE AMERICANS WITH DISABILITIES ACT AND ARCHITECTURAL BARRIERS ACT) ISSUED BY THE ARCHITECTURAL AND TRANSPORTATION BARRIERS COMPLIANCE BOARD (CURRENT EDITION).

NOTE:
LATEST EDITIONS OF THE PRECEDING SPECIFICATIONS AND DRAWINGS SHOULD BE USED. WHERE ONE OR MORE SETS OF SPECIFICATIONS ARE APPLICABLE, THE MORE RESTRICTIVE WILL TAKE PRECEDENCE.

REFERENCE DOCUMENTS:

"ZANJA TRAIL & GREENWAY PARK MASTER PLAN" (AUGUST 2015)

PREPARED BY:
THE REDLANDS CONSERVANCY AND SCHMIDT DESIGN GROUP, INC.

STORMWATER POLLUTION PREVENTION PLAN
ZANJA TRAIL - PHASE 2

PREPARED BY:
CASC ENGINEERING AND CONSULTING
1470 EAST COOLEY DRIVE
COLTON, CA 92324
(909) 783-0101

INITIAL STUDY AND MITIGATED NEGATIVE DECLARATION
ZANJA TRAIL AND GREENWAY PARK PROJECT: 7TH STREET CHURCH STREET
NOVEMBER 2016

PREPARED BY:
ECORP CONSULTING, INC.
215 N. 5TH STREET
REDLANDS, CA 92374
(909) 307-0046

JURISDICTIONAL DELINEATION REPORT
ZANJA CREEK AND GREENWAY PARK PROJECT
AUGUST 11, 2015

PREPARED BY:
HELIX ENVIRONMENTAL PLANNING, INC.
703 PALOMAR AIRPORT ROAD, SUITE 200
CARLSBAD, CA 92011
(760) 517-9054

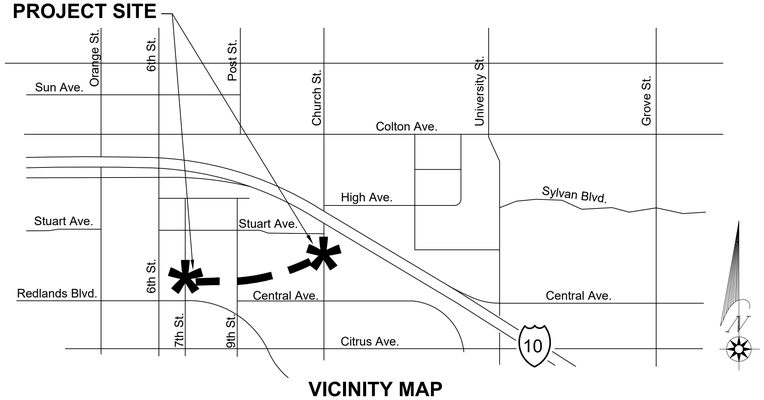
GEOTECHNICAL ENGINEERING INVESTIGATION
PROPOSED ORANGE BLOSSOM TRAIL
BETWEEN GROVE STREET AND WABASH AVENUE
REDLANDS, CALIFORNIA
JOB NO. 3-213-0210: MARCH 26, 2013

PREPARED BY:
SALEM ENGINEERING GROUP, INC.
11650 MISSION PARK DRIVE, SUITE 108
RANCHO CUCAMONGA, CALIFORNIA 91730
(909) 980-6455

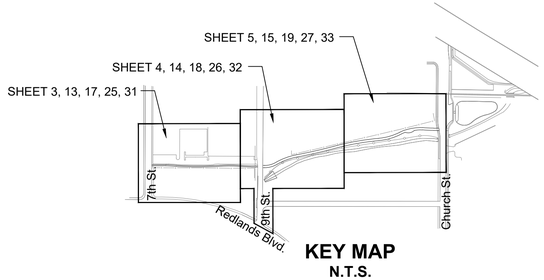
Accepted By:
GOUTAM K. DOBEY
CITY ENGINEER RCE 75646
12/19/2023
Date

JULY 25, 2023

PROJECT SITE



VICINITY MAP
N.T.S.



KEY MAP
N.T.S.

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35	PLANTING PLAN	LP-1.1
36	PLANTING PLAN	LP-1.2
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38	PLANTING DETAILS AND NOTES	LP-2.0
39	PLANTING SPECIFICATIONS	LP-2.1
40	PLANTING SPECIFICATIONS	LP-2.2

PROJECT DIRECTORY

LANDSCAPE ARCHITECT & PRIME CONSULTANT :

SCHMIDT DESIGN GROUP, INC.
1310 ROSECRANS ST, SUITE G
SAN DIEGO, CA 92106
619-236-1462
619-236-8792 FAX
CONTACT: GLEN SCHMIDT, PRINCIPAL
email: gschmidt@schmidtdesign.com

CHRIS TIFFANY, PROJECT MANAGER
email: ctiffany@schmidtdesign.com

CIVIL ENGINEER:

CASC ENGINEERING & CONSULTING
1470 E. COOLEY DRIVE
COLTON, CA 92324
909-783-0101
909-783-0108 FAX
CONTACT: BARBARA SHERMAN, PE
email: bsherman@cascinc.com

DECLARATION OF RESPONSIBLE CHARGE:

I HEREBY DECLARE THAT I AM THE REGISTERED CIVIL ENGINEER AND/OR LANDSCAPE ARCHITECT RESPONSIBLE FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THIS PROJECT AS DEFINED IN REDLANDS MUNICIPAL CODE 13.58.200 AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF THE PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF REDLANDS AND THE STATE WATER RESOURCES CONTROL BOARD IS FOR THE PURPOSE OF REVIEW ONLY AND DOES NOT RELIEVE ME, AS THE REGISTERED CIVIL ENGINEER AND/OR LANDSCAPE ARCHITECT OF RECORD, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

SCHMIDT DESIGN GROUP
1310 ROSECRANS ST, SUITE G SAN DIEGO, CA 92106
FIRM NAME & ADDRESS

SIGNATURE 7/25/2023 *DATE*

NO. 2138
REGISTRATION NO.

METER INFORMATION

POINT OF CONNECTION ID	NUMBER OF REMOTE CONTROL VALVES	IRRIGATED AREA (SF)	DEMAND (GPM)	ANNUAL USAGE (GAL/YR)	LATERAL SIZE (IN)	METER SIZE (IN)
	15	37,080	70.55	479,608	1" - 2"	1-1/2"
TOTAL	15	37,080	70.55	479,608		

INSPECTION NOTE

THE CITY OF REDLANDS ENGINEERING STAFF SHALL BE NOTIFIED 5-10 DAYS PRIOR TO THE START OF CONSTRUCTION. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.

OMISSION STATEMENT

THERE ARE NO DRINKING FOUNTAINS, DECORATIVE FOUNTAINS, COMFORT STATIONS, OUTDOOR EATING AREAS, SWIMMING POOLS, PLAYGROUND EQUIPMENT, OR WELLS ON THE SITE.

DIGALERT
DIAL TOLL FREE
1 - 800 - 227 - 2600
AT LEAST TWO DAYS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BENCHMARK

CITY OF REDLANDS BENCH MARK R-49
BRASS DISK IN TOP OF CURB @ NE COR. ORANGE STREET & COLTON AVE. EAST OF END OF RETURN.

ELEVATION = 1370.856'

LICENSED LANDSCAPE ARCHITECT GLENN A. SCHMIDT No. 2138 SIGNATURE 10-31-23 RENEWAL DATE 5/25/2023 DATE STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:

SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
619.236.1462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

Letter	Description	Date	Initial	Initial

Revisions

CITY OF REDLANDS

ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No.

TITLE SHEET

PROJECT NO.:14-406
PLOT DATE: 5/25/2023
DRAWN BY: PR, LD, CT
CHECKED BY: CT,JJ

Approved By:
Tabitha Crocker Date
FACILITIES AND COMMUNITY SERVICES DIRECTOR

Sheet 1 of 42 Sheets
Drawing No. T-1.0

01/36
2301-LS

03/30/23 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

G:\Archive-Projects\400 projects\14-406 Mill Creek Zanja Trail Greenway\06-CD's\Zanja Phase 2\14-406 S-TITLE PH2.dwg 10/09/2023 08:59

DEMOLITION NOTES:

SUMMARY

A. CLEAR AND GRUB THE PROJECT SITE PRIOR TO CONSTRUCTION, AS SPECIFIED HEREIN, AND AS NEEDED FOR A COMPLETE AND PROPER PREPARATION OF THE SITE.
B. LOCATION AND ELEVATION OF ALL EXISTING IMPROVEMENTS WITHIN THE AREA OF WORK SHALL BE CONFIRMED BY FIELD MEASUREMENT PRIOR TO CONSTRUCTION OF NEW WORK.
C. NO WORK SHALL BE COMPLETED WITHIN ZANJA CHANNEL. CONTRACTOR SHALL BE DILIGENT TO MAKE NO IMPACT TO ZANJA CHANNEL DURING ALL PHASES OF CONSTRUCTION.
D. AN EXCLUSION ZONE SHALL BE STAKED AT EDGE OF ZANJA CHANNEL BY A QUALIFIED BIOLOGIST PRIOR TO THE COMMENCEMENT OF GROUND-DISTURBING ACTIVITIES. THE EXCLUSION ZONE SHALL REMAIN IN PLACE FOR THE DURATION OF CONSTRUCTION, AND THE PURPOSE OF THE EXCLUSION ZONE SHALL BE INCLUDED IN THE CONSTRUCTION WORKER DAILY BRIEFINGS (TAILGATE MEETINGS).
E. THE CONTRACTOR SHALL PROVIDE ALL CONSTRUCTION STAKING AND RE-STAKING REQUIRED TO COMPLETE THE PROJECT.

QUALITY ASSURANCE

A. USE ADEQUATE NUMBERS OF SKILLED WORKPEOPLE WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIC REQUIREMENTS AND THE METHODS NEEDED FOR PROPER PERFORMANCE OF THE WORK OF THIS SECTION.
B. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO ENFORCE SAFETY MEASURES OR REGULATIONS.

PROJECT CONDITIONS

A. TRAFFIC: CONDUCT SITE PREPARATION WORK TO ENSURE MINIMUM INTERFERENCE WITH EXISTING ROADS, STREETS, WALKS AND OTHER ADJACENT OCCUPIED OR USED FACILITIES. DO NOT CLOSE OR OBSTRUCT EXISTING STREETS, WALKS OR OTHER OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM AUTHORITIES HAVING JURISDICTION.
B. A TRAFFIC CONTROL PLAN SHALL BE PREPARED AND SUBMITTED BY THE CONTRACTOR FOR APPROVAL BY CITY PRIOR TO COMMENCEMENT OF WORK.
C. COMPLETE THE CLEARING AND DEMOLITION SITE PREPARATION WORK BEFORE STARTING EARTHWORK. ERECT TEMPORARY BARRICADES, ENCLOSURES, AND PROTECTION OF ADJACENT PROPERTY AND EXISTING WORK BEFORE STARTING SITE CLEARING AND DEMOLITION WORK.
D. INSPECT AND REVIEW THE PROJECT SITE TO DETERMINE EXISTING CONDITIONS WHICH AFFECT CONSTRUCTION OPERATIONS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL SUBSTRUCTURES, WHETHER SHOWN HEREON OR NOT, AND PROTECT THEM FROM DAMAGE. THE EXPENSE OF REPAIR OR REPLACEMENT OF SAID SUBSTRUCTURES SHALL BE BORNE BY THE CONTRACTOR. ALL EXISTING IRRIGATION LATERALS, HEADS, AND MAINLINES DISTURBED WITHIN CONSTRUCTION LIMIT LINES SHALL BE ADJUSTED TO NEW CONSTRUCTION. AFFECTED IRRIGATION ZONES SHALL BE SHUT OFF WITHIN AREAS OF DISTURBANCE. ALL CONSTRUCTION IN THESE AREAS SHALL BE COMPLETED IN A TIMELY FASHION TO PREVENT EXISTING VEGETATION FROM STRESS, WILT, OR DYING.
E. PROTECTION OF EXISTING TREES AND VEGETATION: PROTECT EXISTING TREES AND OTHER VEGETATION INDICATED TO REMAIN IN PLACE, AGAINST CUTTING, BREAKING, OR SKINNING OF ROOTS, SKINNING AND BRUISING OF BARK, SMOTHERING OF TREES BY STOCKPILING CONSTRUCTION MATERIALS OR EXCAVATED MATERIALS WITHIN DRIP LINE. PROVIDE TEMPORARY GUARDS TO PROTECT TREES AND VEGETATION TO REMAIN.

SITE CLEARING AND DEMOLITION

A. CLEAR THE PROJECT SITE OF EXISTING CONCRETE PAVING, STAIRS, AND MISCELLANEOUS DEBRIS WITHIN THE LIMITS OF WORK. DISPOSE OF MATERIALS FROM THE CLEARING AND DEMOLITION OPERATION OFF-SITE TO A LEGAL DISPOSAL AREA.
B. REMOVE EXISTING WORK AND ITEMS WHICH ARE REQUIRED TO BE REMOVED IN SUCH MANNER THAT MINIMUM DAMAGE AND DISTURBANCE IS CAUSED TO ADJACENT AND CONNECTING WORK. CONTRACTOR SHALL REPAIR AT HIS/HER OWN EXPENSE ANY DAMAGES MADE TO EXISTING IMPROVEMENTS DURING MOBILIZATION, DEMOLITION, CONSTRUCTION OR THE ESTABLISHMENT PERIOD.

DISPOSITION OF MATERIALS

A. REMOVE MATERIAL EXCEPT THOSE ITEMS INDICATED TO BE RE-USED TO A LEGAL DISPOSAL AREA.
B. STOCKPILING OF REMOVED MATERIALS ON THE PROJECT SITE WILL NOT BE PERMITTED WITHOUT WRITTEN APPROVAL FROM INSPECTOR.

NOISE ABATEMENT AND DUST PALLIATION

A. NOISE ABATEMENT: LIMIT NOISE TO A REASONABLE LEVEL AS RELATED TO SPECIFIC ITEMS OF EQUIPMENT USED AND THEIR HOURS OF USE. THIS DOES NOT PRECLUDE USE OF MECHANICAL EQUIPMENT, SUCH AS JACK HAMMERS, POWER DRIVEN FASTENERS, OR OTHER APPROVED EQUIPMENT.
B. DUST PALLIATION: DURING SITE CLEARING AND DEMOLITION, KEEP DUST, DIRT, AND POLLEN FROM BLOWING OR SPREADING BY WATERING DOWN AT REGULAR INTERVALS.

PROTECTION OF PERSONS AND PROPERTY

A. BARRICADE OPEN DEPRESSIONS AND HOLES OCCURRING AS PART OF THIS WORK, AND POST WARNING LIGHTS ON PROPERTY ADJACENT TO OR WITH PUBLIC ACCESS.
B. OPERATE WARNING LIGHTS DURING HOURS FROM DUSK TO DAWN EACH DAY AND AS OTHERWISE REQUIRED.
C. PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT, AND OTHER HAZARDS CREATED BY OPERATIONS UNDER THIS SECTION.
D. CONTRACTOR TO PROVIDE A SIX FOOT TEMPORARY CHAIN LINK CONSTRUCTION FENCE, GATE, AND CONSTRUCTION SIGNS AROUND STAGING, STOCKPILE, AND LIMIT OF WORK LINE DURING CONSTRUCTION. A 48" TALL ORANGE SAFETY BARRIER FENCING MAY BE ACCEPTABLE IN LINEAR SECTIONS OF TRAIL WORK.
E. THE CONTRACTOR SHALL SUBMIT PROPOSED FENCING PLAN FOR REVIEW AND APPROVAL BY INSPECTOR PRIOR TO CONSTRUCTION. STABILIZE TEMPORARY FENCE WITH SAND BAGS OR OTHER SUPPLIER APPROVED METHODS. EXISTING RESIDENTIAL FENCING MAY BE USED IN PLACE TO SECURE THE PERIMETER OF WORK SITE.
F. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SAFETY AND SECURITY OF JOB SITE.

UTILITIES

A. COORDINATE WITH UTILITY COMPANIES AND AGENCIES AS REQUIRED. CONTRACTOR WILL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING FACILITIES.
B. WHERE UTILITY CUTTING, CAPPING, OR PLUGGING IS REQUIRED, PERFORM SUCH WORK IN ACCORDANCE WITH REQUIREMENTS OF THE UTILITY COMPANY OR GOVERNMENTAL AGENCY HAVING JURISDICTION.
C. BEFORE EXCAVATION, VERIFY THE LOCATION OF UNDERGROUND UTILITIES AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATION, THE CONTRACTOR SHALL REQUEST MARKOUT OF UNDERGROUND UTILITIES BY CALLING THE BELOW LISTED REGIONAL NOTIFICATION CENTER FOR AN INQUIRY IDENTIFICATION NUMBER:
   UNDERGROUND SERVICE ALERT (USA).....(800) 422-4133
   CABLE TELEVISION: TIME WARNER CABLE.....(855) 781-5595
   GAS & ELECTRIC: SOUTHER CALIFORNIA EDISON.....(800) 427-2200
   TELEPHONE: AT&T.....(909) 748-7225
   SEWER & WATER.....(909) 798-7698

TREE PROTECTION NOTES:

THE FOLLOWING NOTES FOR TREE PROTECTION ARE PROVISIONAL. FINAL DETERMINATION OF TREE PROTECTION MEASURES TO BE MADE IN FIELD BY LANDSCAPE ARCHITECT DURING PRE-CONSTRUCTION MEETING.

1. PROTECT EXISTING TREES AND OTHER VEGETATION INDICATED TO REMAIN IN PLACE, AGAINST CUTTING, BREAKING, OR SKINNING OF ROOTS, SKINNING AND BRUISING OF BARK, SMOTHERING OF TREES BY STOCKPILING CONSTRUCTION MATERIALS OR EXCAVATED MATERIALS WITHIN DRIP LINE. PROVIDE TEMPORARY 48" ORANGE SAFETY FENCING TREE/SHRUB DRIP LINE TO PROTECT TREES AND VEGETATION TO REMAIN.
2. CONTRACTOR SHALL MEET WITH INSPECTOR AND PROJECT LANDSCAPE ARCHITECT TO REVIEW DEMOLITION AND GRADING WORK TO OCCUR WITHIN THE DRIP LINE OF EXISTING TREES. CONTRACTOR SHALL HAND EXCAVATE WITHIN THE DRIP LINE OF TREES TO BE PROTECTED IN PLACE . THE USE OF AIR AND/OR WATER JETTING AROUND TREE ROOTS TO REMAIN IS MANDATORY. UPON DISCOVERY OF ROOTS WITHIN DEMOLITION AREA, CONTRACTOR SHALL CONTACT PROJECT LANDSCAPE ARCHITECT FOR SITE SPECIFIC DIRECTION.
3. PRIOR TO CUTTING ANY TREE ROOTS IMPACTED BY CONCRETE REMOVAL AND REPLACEMENT, THEY SHALL BE INSPECTED BY PROJECT LANDSCAPE ARCHITECT.
4. UNILATERAL CUTTING OF ROOTS MUST BE PREVENTED UNLESS APPROVED BY A LANDSCAPE ARCHITECT.
5. ALL ROOT BARRIERS REMOVED OR DAMAGED DUE TO THE REMOVAL AND REPLACEMENT OF CONCRETE PAVING SHALL BE REPLACED TO THE SATISFACTION OF PROJECT LANDSCAPE ARCHITECT.

ADDITIONAL NOTES:

THE FOLLOWING MITIGATION MEASURES ARE REQUIRED PRIOR TO, AND/OR DURING CONSTRUCTION. SEE FINAL INITIAL STUDY AND MITIGATED NEGATIVE DECLARATION ZANJA TRAIL AND GREENWAY PARK PROJECT – 7TH ST. TO CHURCH ST., DATED NOVEMBER 2016, FOR ADDITIONAL INFORMATION.

ENCROACHMENT PERMIT

THE CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FROM THE CITY OF REDLANDS AT THE ONE STOP PERMIT CENTER PRIOR TO COMMENCING WORK. THE FINAL DESIGN OF TRAFFIC AND PEDESTRIAN CONTROL FEATURES AT THE DEARBORN AVENUE INTERSECTION SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO ENCROACHMENT PERMIT ISSUANCE. THESE DESIGN FEATURES COULD INCLUDE, BUT ARE NOT LIMITED TO, REMOVABLE LOCKABLE BOLLARDS AT THE TRAIL ENTRANCES, COLORED STAMPED CONCRETE, AND SIGNAGE.

TRAFFIC CONTROL

PRIOR TO WORK IN ANY CITY STREET, A TRAFFIC CONTROL PLAN SHALL BE SUBMITTED BY THE CONTRACTOR TO THE CITY OF REDLANDS MUNICIPAL UTILITIES AND ENGINEERING DEPARTMENT FOR REVIEW AND APPROVAL. THE TRAFFIC CONTROL PLAN SHALL INCLUDE MEASURES TO MAINTAIN EMERGENCY ACCESS TO RESIDENCES AND STRUCTURES IN THE VICINITY OF THE PROJECT AREA.

NOISE

THE CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO THE HOURS OF 7:00 A.M. TO 6:00 P.M. MONDAY THROUGH FRIDAY WITH NO CONSTRUCTION ACTIVITIES PERMITTED ON WEEKENDS AND FEDERAL HOLIDAYS WITHOUT PRIOR APPROVAL FROM THE CITY OF REDLANDS. PROJECT CONTRACTORS SHALL ENSURE THAT ALL CONSTRUCTION EQUIPMENT, FIXED OR MOBILE, SHALL BE OPERATED WITH PROPERLY FUNCTIONING AND MAINTAINED MUFFLERS, CONSISTENT WITH MANUFACTURER STANDARDS. STATIONARY CONSTRUCTION EQUIPMENT SHALL BE LOCATED AS FAR AWAY FROM RESIDENCES OR SCHOOL BUILDINGS AS IS PRACTICAL.

BIOLOGICAL RESOURCES

IF CONSTRUCTION ACTIVITIES OCCUR WITHIN THE BIRD BREEDING SEASON (FEBRUARY 1 THROUGH AUGUST 31) THEN A PRE-CONSTRUCTION NESTING SURVEY SHALL BE CONDUCTED NO MORE THAN 30 DAYS PRIOR TO THE START OF CONSTRUCTION BY A QUALIFIED BIOLOGIST.

TO ENSURE IMPACTS TO WATERS AND HABITATS JURISDICTIONAL TO THE U.S. ARMY CORPS OF ENGINEERS, REGIONAL WATER QUALITY CONTROL BOARD, AND CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE ARE AVOIDED, AN EXCLUSION ZONE SHALL BE STAKED BY A QUALIFIED BIOLOGIST PRIOR TO THE COMMENCEMENT OF GROUND-DISTURBING ACTIVITIES. THE EXCLUSION ZONE SHALL REMAIN IN PLACE FOR THE DURATION OF CONSTRUCTION, AND THE PURPOSE OF THE EXCLUSION ZONE SHALL BE INCLUDED IN THE CONSTRUCTION WORKER DAILY BRIEFINGS (TAILGATE MEETINGS).

LANDSCAPE DEMOLITION LEGEND:

EXISTING TREES	BOTANICAL NAME	COMMON NAME
	PLATANUS RACEMOSA	CALIFORNIA SYCAMORE
	SCHINUS TEREBINTHIFOLIUS	BRAZILIAN PEPPER
	WASHINGTONIA FILLIFERA	FAN PALM
	QUERCUS ILEX	HOLLY OAK
	SYAGRUS ROMANZOFFIANA	QUEEN PALM
	EUCALYPTUS SPP.	GUM TREE
	KOELREUTERIA SPP.	GOLDEN RAIN TREE

DEMOLITION LEGEND:

SYMBOL	DEMOLITION DESCRIPTION
D-01	CLEAR & GRUB. EXISTING TREES NOTED SEPARATELY TO BE REMOVED OR REMAIN PER PLAN.
D-02	EXISTING CONCRETE; SAWCUT AND REMOVE TO SITE OF LEGAL DISPOSAL. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.
D-03	EXISTING CONCRETE TO REMAIN UNLESS NOTED; PROTECT IN PLACE.
D-04	EXISTING DRAIN INLET TO REMAIN; PROTECT IN PLACE.
D-05	SAWCUT AND REMOVE EXISTING ASPHALT; SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.
D-06	EXISTING CURB & GUTTER TO REMAIN; PROTECT IN PLACE UNLESS OTHERWISE NOTED. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.
D-07	EXISTING ELECTRICAL POLE TO REMAIN; PROTECT IN PLACE.
D-08	EXISTING K-RAIL TO REMAIN; PROTECT IN PLACE.
D-09	EXISTING K-RAIL. TO BE RELOCATED, SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.
D-10	EXISTING CONCRETE CULVERT TO REMAIN; PROTECT IN PLACE.
D-11	EXISTING FIRE HYDRANT TO REMAIN; PROTECT IN PLACE.
D-12	EXISTING CHAIN LINK FENCE TO BE RELOCATED. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.
D-13	EXISTING CHAIN LINK FENCE TO REMAIN; PROTECT IN PLACE.
D-14	EXISTING CHAIN LINK FENCE ON RETAINING WALL TO REMAIN; PROTECT IN PLACE.
D-15	EXISTING CHAIN LINK FENCE TO BE REMOVED. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.
D-16	EXISTING IRRIGATION CONTROL VALVE TO REMAIN, PROTECT IN PLACE.
D-17	EXISTING SIGN TO BE REMOVED. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.
D-19	EXISTING TREE STUMP TO BE REMOVED. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.
D-20	EXISTING PALM TREE TO REMAIN; PROTECT IN PLACE, TYP.
D-21	EXISTING SHADE TREE TO REMAIN; PROTECT IN PLACE.
D-22	EXISTING 36" STORM DRAIN TO REMAIN; PROTECT IN PLACE.
D-23	SAW CUT AND REMOVE EXISTING CURB. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.
D-24	SEE ALSO CIVIL SHEETS C1.0-C1.5 FOR RIGHT OF WAY AND VEHICULAR IMPROVEMENTS.
D-25	EXISTING PEDESTRIAN GATE TO REMAIN. PROTECT IN PLACE.

INSPECTION NOTE

THE CITY OF REDLANDS ENGINEERING STAFF SHALL BE NOTIFIED 5-10 DAYS PRIOR TO THE START OF CONSTRUCTION. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.

Accepted By:

GOUTAM K. DOBEY
CITY ENGINEER RCE 75646

12/19/2023
Date

811 Know what's below. Call before you dig.
AT LEAST TWO DAYS BEFORE YOU DIG

LICENSED LANDSCAPE ARCHITECT — GLEEN A. SCHMIDT No. 2350 — SIGNATURE — 10-31-23 RENEWAL DATE — 5/25/2023 DATE — STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:

SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
619.236.1462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

Letter	Description	Date	Initial	Initial
1	UPDATES TO PARKING LOT	3/30/23		

Revisions

CITY OF REDLANDS

ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No.

DEMOLITION LEGEND AND NOTES

PROJECT NO.:14-406
PLOT DATE: 5/25/2023
DRAWN BY: PR, LD, CT
CHECKED BY: CT,JJ

Approved By:

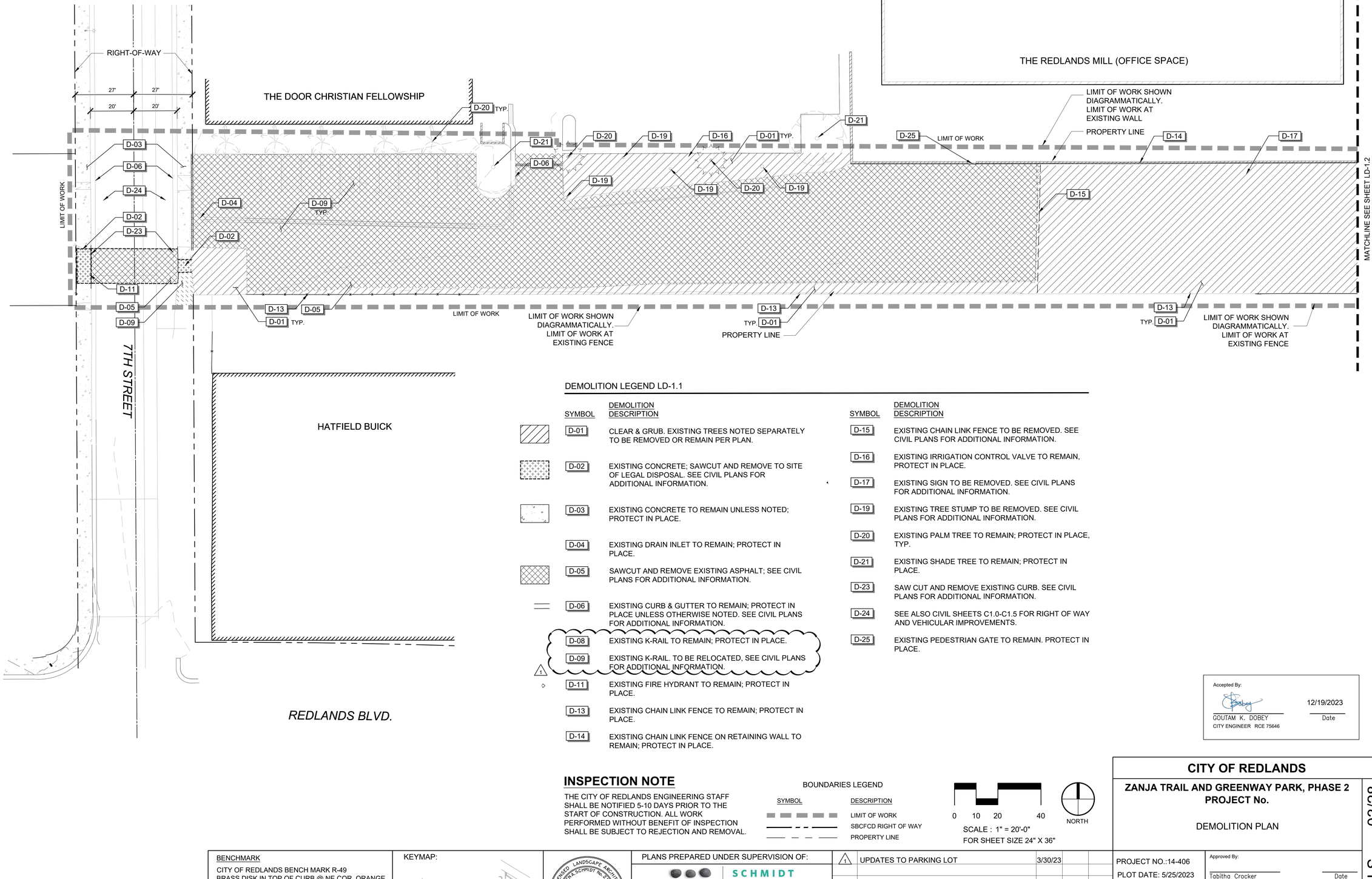
Tabitha Crocker
FACILITIES AND COMMUNITY SERVICES DIRECTOR
Date

Sheet 2 of 42 Sheets
Drawing No. LD-1.0

02/28
2301-LS

03/30/23 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

G:\Archive--Projects\400 projects\14-406 Mill Creek Zanja Trail Greenway\06-CD's\Zanja Phase 2\14-406 S-DEMO Ph2.dwg 07/26/2023 08:24



DEMOLITION LEGEND LD-1.1

SYMBOL	DEMOLITION DESCRIPTION
D-01	CLEAR & GRUB. EXISTING TREES NOTED SEPARATELY TO BE REMOVED OR REMAIN PER PLAN.
D-02	EXISTING CONCRETE; SAWCUT AND REMOVE TO SITE OF LEGAL DISPOSAL. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.
D-03	EXISTING CONCRETE TO REMAIN UNLESS NOTED; PROTECT IN PLACE.
D-04	EXISTING DRAIN INLET TO REMAIN; PROTECT IN PLACE.
D-05	SAWCUT AND REMOVE EXISTING ASPHALT; SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.
D-06	EXISTING CURB & GUTTER TO REMAIN; PROTECT IN PLACE UNLESS OTHERWISE NOTED. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.
D-08	EXISTING K-RAIL TO REMAIN; PROTECT IN PLACE.
D-09	EXISTING K-RAIL. TO BE RELOCATED, SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.
D-11	EXISTING FIRE HYDRANT TO REMAIN; PROTECT IN PLACE.
D-13	EXISTING CHAIN LINK FENCE TO REMAIN; PROTECT IN PLACE.
D-14	EXISTING CHAIN LINK FENCE ON RETAINING WALL TO REMAIN; PROTECT IN PLACE.

SYMBOL	DEMOLITION DESCRIPTION
D-15	EXISTING CHAIN LINK FENCE TO BE REMOVED. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.
D-16	EXISTING IRRIGATION CONTROL VALVE TO REMAIN, PROTECT IN PLACE.
D-17	EXISTING SIGN TO BE REMOVED. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.
D-19	EXISTING TREE STUMP TO BE REMOVED. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.
D-20	EXISTING PALM TREE TO REMAIN; PROTECT IN PLACE, TYP.
D-21	EXISTING SHADE TREE TO REMAIN; PROTECT IN PLACE.
D-23	SAW CUT AND REMOVE EXISTING CURB. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.
D-24	SEE ALSO CIVIL SHEETS C1.0-C1.5 FOR RIGHT OF WAY AND VEHICULAR IMPROVEMENTS.
D-25	EXISTING PEDESTRIAN GATE TO REMAIN. PROTECT IN PLACE.

Accepted By:
GOUTAM K. DOBEY
CITY ENGINEER RCE 75646
12/19/2023
Date

INSPECTION NOTE

THE CITY OF REDLANDS ENGINEERING STAFF SHALL BE NOTIFIED 5-10 DAYS PRIOR TO THE START OF CONSTRUCTION. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.

BOUNDARIES LEGEND

SYMBOL	DESCRIPTION
	LIMIT OF WORK
	SBCFCD RIGHT OF WAY
	PROPERTY LINE

0 10 20 40
SCALE : 1" = 20'-0"
FOR SHEET SIZE 24" X 36"
NORTH

BENCHMARK
CITY OF REDLANDS BENCH MARK R-49
BRASS DISK IN TOP OF CURB @ NE COR. ORANGE STREET & COLTON AVE. EAST OF END OF RETURN.

ELEVATION = 1370.856'

KEYMAP:
NTS

LICENSED LANDSCAPE ARCHITECT GLORIA SCHMIDT No. 5030 SIGNATURE 10-31-23 RENEWAL DATE 5/25/2023 DATE STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:
SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
619.236.1462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

Letter	Description	Date	Initial	Initial
1	UPDATES TO PARKING LOT	3/30/23		

Revisions

CITY OF REDLANDS

ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No.

DEMOLITION PLAN

PROJECT NO.:14-406
PLOT DATE: 5/25/2023
DRAWN BY: PR, LD, CT
CHECKED BY: CT,JJ

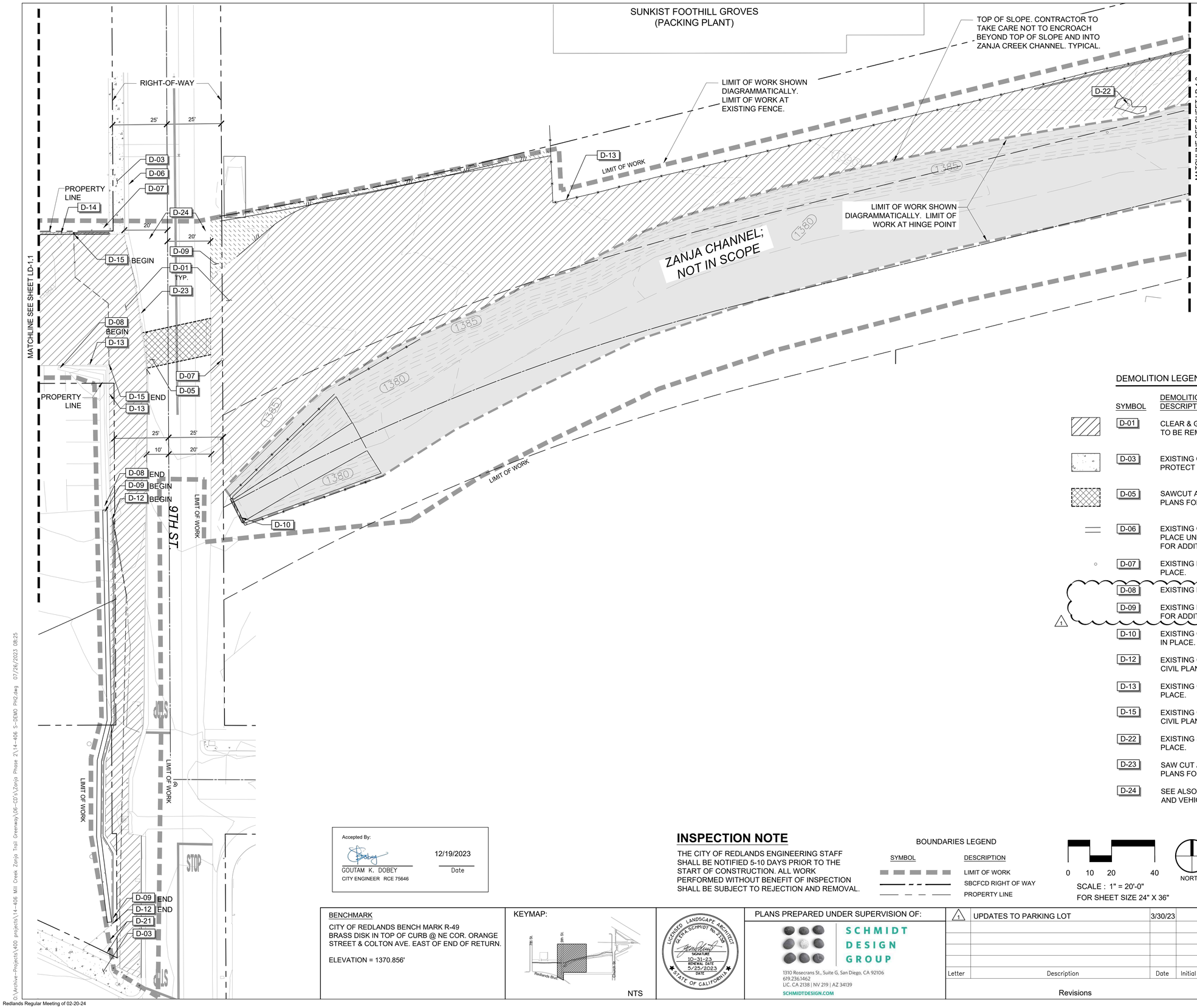
Approved By:
Tabitha Crocker
FACILITIES AND COMMUNITY SERVICES DIRECTOR
Date

Sheet 3 of 42 Sheets
Drawing No. LD-1.1

2301-LS 03/28

03/30/23 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

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DEMOLITION LEGEND LD-1.2

SYMBOL	DEMOLITION DESCRIPTION
D-01	CLEAR & GRUB. EXISTING TREES NOTED SEPARATELY TO BE REMOVED OR REMAIN PER PLAN.
D-03	EXISTING CONCRETE TO REMAIN UNLESS NOTED; PROTECT IN PLACE.
D-05	SAWCUT AND REMOVE EXISTING ASPHALT; SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.
D-06	EXISTING CURB & GUTTER TO REMAIN; PROTECT IN PLACE UNLESS OTHERWISE NOTED. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.
D-07	EXISTING ELECTRICAL POLE TO REMAIN; PROTECT IN PLACE.
D-08	EXISTING K-RAIL TO REMAIN; PROTECT IN PLACE.
D-09	EXISTING K-RAIL. TO BE RELOCATED, SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.
D-10	EXISTING CONCRETE CULVERT TO REMAIN; PROTECT IN PLACE.
D-12	EXISTING CHAIN LINK FENCE TO BE RELOCATED. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.
D-13	EXISTING CHAIN LINK FENCE TO REMAIN; PROTECT IN PLACE.
D-15	EXISTING CHAIN LINK FENCE TO BE REMOVED. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.
D-22	EXISTING 36" STORM DRAIN TO REMAIN; PROTECT IN PLACE.
D-23	SAW CUT AND REMOVE EXISTING CURB. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.
D-24	SEE ALSO CIVIL SHEETS C1.0-C1.5 FOR RIGHT OF WAY AND VEHICULAR IMPROVEMENTS.

Accepted By:

GOUTAM K. DOBEY
CITY ENGINEER RCE 75646

12/19/2023
Date

INSPECTION NOTE

THE CITY OF REDLANDS ENGINEERING STAFF SHALL BE NOTIFIED 5-10 DAYS PRIOR TO THE START OF CONSTRUCTION. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.

BOUNDARIES LEGEND

SYMBOL	DESCRIPTION
	LIMIT OF WORK
	SBCFCD RIGHT OF WAY
	PROPERTY LINE

0 10 20 40
SCALE : 1" = 20'-0"
FOR SHEET SIZE 24" X 36"

NORTH

BENCHMARK

CITY OF REDLANDS BENCH MARK R-49
BRASS DISK IN TOP OF CURB @ NE COR. ORANGE STREET & COLTON AVE. EAST OF END OF RETURN.

ELEVATION = 1370.856'

KEYMAP:

NTS

LICENSED LANDSCAPE ARCHITECT GLENN R. SCHMIDT No. 2138
SIGNATURE
10-31-23
RENEWAL DATE
5/25/2023
DATE
STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:

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Letter	Description	Date	Initial	Initial
1	UPDATES TO PARKING LOT	3/30/23		

Revisions

PROJECT NO.:14-406
PLOT DATE: 5/25/2023
DRAWN BY: PR, LD, CT
CHECKED BY: CT,JJ

Approved By:

Tabitha Crocker
FACILITIES AND COMMUNITY SERVICES DIRECTOR
Date

Sheet 4 of 42 Sheets
Drawing No. LD-1.2

CITY OF REDLANDS

ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No.

DEMOLITION PLAN

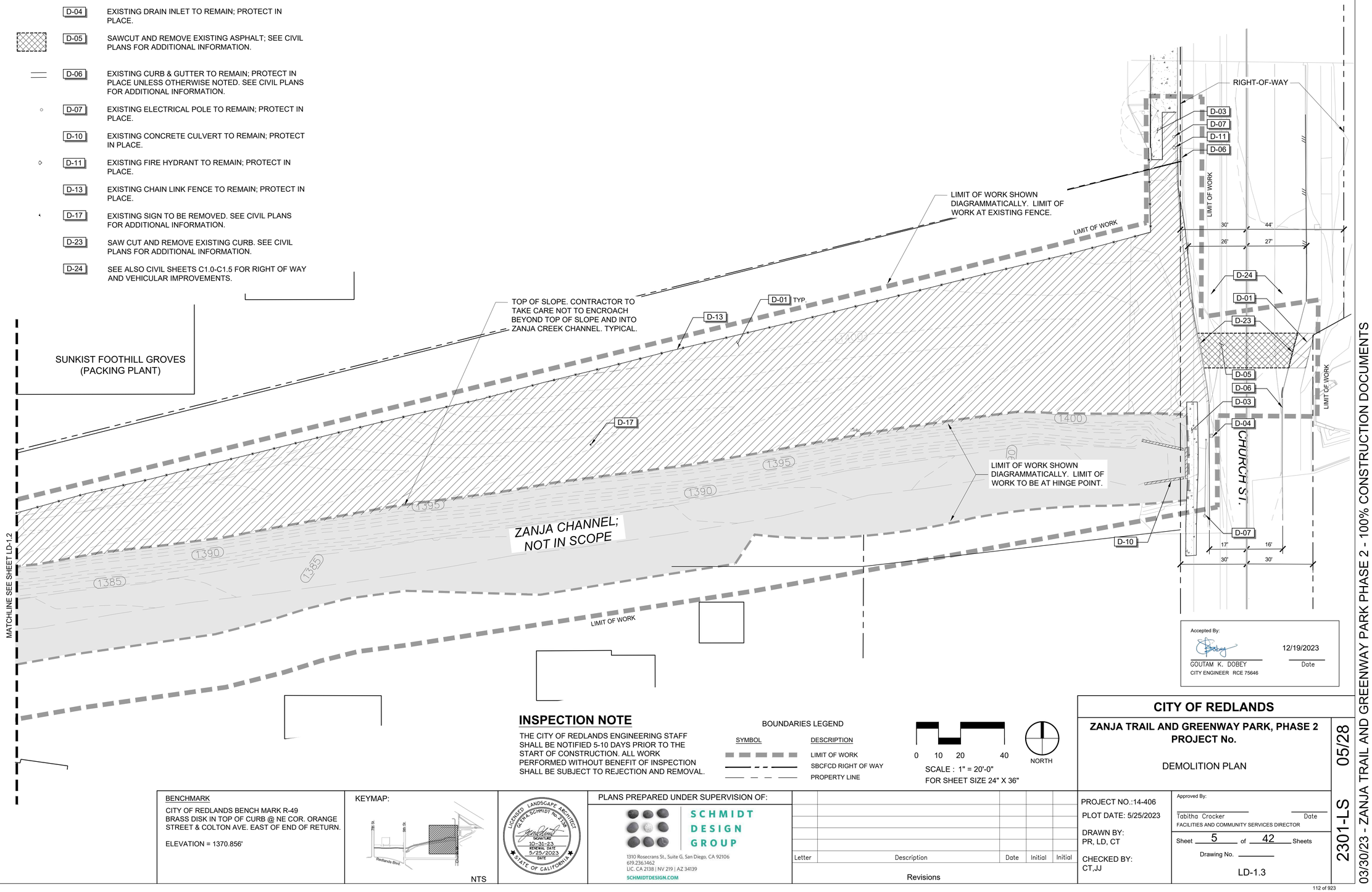
2301-LS 04/28

03/30/23 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

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DEMOLITION LEGEND LD-1.3

SYMBOL	DEMOLITION DESCRIPTION
D-01	CLEAR & GRUB. EXISTING TREES NOTED SEPARATELY TO BE REMOVED OR REMAIN PER PLAN.
D-03	EXISTING CONCRETE TO REMAIN UNLESS NOTED; PROTECT IN PLACE.
D-04	EXISTING DRAIN INLET TO REMAIN; PROTECT IN PLACE.
D-05	SAWCUT AND REMOVE EXISTING ASPHALT; SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.
D-06	EXISTING CURB & GUTTER TO REMAIN; PROTECT IN PLACE UNLESS OTHERWISE NOTED. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.
D-07	EXISTING ELECTRICAL POLE TO REMAIN; PROTECT IN PLACE.
D-10	EXISTING CONCRETE CULVERT TO REMAIN; PROTECT IN PLACE.
D-11	EXISTING FIRE HYDRANT TO REMAIN; PROTECT IN PLACE.
D-13	EXISTING CHAIN LINK FENCE TO REMAIN; PROTECT IN PLACE.
D-17	EXISTING SIGN TO BE REMOVED. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.
D-23	SAW CUT AND REMOVE EXISTING CURB. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.
D-24	SEE ALSO CIVIL SHEETS C1.0-C1.5 FOR RIGHT OF WAY AND VEHICULAR IMPROVEMENTS.



Accepted By:

12/19/2023

GOUTAM K. DOBEY
CITY ENGINEER RCE 75646

Date

INSPECTION NOTE

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SYMBOL	DESCRIPTION
	LIMIT OF WORK
	SBCFCD RIGHT OF WAY
	PROPERTY LINE

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SCALE : 1" = 20'-0"
FOR SHEET SIZE 24" X 36"

NORTH

CITY OF REDLANDS

ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No.

DEMOLITION PLAN

05/28

2301-LS

BENCHMARK

CITY OF REDLANDS BENCH MARK R-49
BRASS DISK IN TOP OF CURB @ NE COR. ORANGE STREET & COLTON AVE. EAST OF END OF RETURN.

ELEVATION = 1370.856'

KEYMAP:

NTS

LICENSED LANDSCAPE ARCHITECT
GLEN A. SCHMIDT No. 2738
SIGNATURE
10-31-23
RENEWAL DATE
5/25/2023
DATE
STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:

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Letter	Description	Date	Initial	Initial

Revisions

PROJECT NO.:14-406
PLOT DATE: 5/25/2023
DRAWN BY: PR, LD, CT
CHECKED BY: CT,JJ

Approved By:

Tabitha Crocker
FACILITIES AND COMMUNITY SERVICES DIRECTOR

Date

Sheet 5 of 42 Sheets

Drawing No. LD-1.3

03/30/23 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

G:\Archive--Projects\400 projects\14-406 Mill Creek Zanja Trail Greenway\06-CD's\Zanja Phase 2\14-406 S-DEMO PH2.dwg 07/26/2023 08:25

CONSTRUCTION PLANS FOR ZANJA TRAIL AND GREENWAY PARK, PHASE 2 CITY OF REDLANDS, CA

STREET IMPROVEMENT PLAN GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREENBOOK)", LATEST EDITION (INCLUDING THE LATEST SUPPLEMENTAL AMENDMENTS THERETO), THE "STANDARD PLANS STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION", LATEST EDITION (INCLUDING THE LATEST SUPPLEMENTAL AMENDMENTS THERETO), THE "STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION", LATEST EDITION (INCLUDING THE LATEST SUPPLEMENTAL AMENDMENTS THERETO), AND THE CITY OF REDLANDS STANDARD SPECIFICATIONS. ALL WORK SHALL BE COMPLETED TO THE SATISFACTION OF THE MUNICIPAL UTILITIES AND ENGINEERING DIRECTOR OR APPOINTED REPRESENTATIVE.
2. THE APPROXIMATE LOCATIONS OF KNOWN EXISTING UNDERGROUND UTILITIES ARE SHOWN ON THIS PLAN. THE UTILITIES ARE PLOTTED FROM RECORD AND FIELD DATA. THE ENGINEER ASSUMES NO LIABILITY AS TO THE EXACT LOCATION OF SAID LINES WHETHER SHOWN OR NOT SHOWN ON THE PLANS. THE CONTRACTOR IS TO NOTIFY ALL UTILITY COMPANIES PRIOR TO WORK OR EXCAVATION TO DETERMINE THE EXACT LOCATIONS OF UNDERGROUND LINES.
3. STREETS MAY BE REQUIRED TO HAVE SEAL COAT APPLIED AT THE OPTION OF THE MUNICIPAL UTILITIES AND ENGINEERING DIRECTOR OR APPOINTED REPRESENTATIVE. TYPE OF SEAL COAT IS TO BE DETERMINED BY THE MUNICIPAL UTILITIES AND ENGINEERING DIRECTOR OR APPOINTED REPRESENTATIVE.
4. RESURFACE EXISTING ROAD WAY, AS DESCRIBED BY THE MUNICIPAL UTILITIES AND ENGINEERING DIRECTOR OR APPOINTED REPRESENTATIVE TO UTILITY INSTALLATIONS AND CONSTRUCTION DAMAGE.
5. EXISTING STRIPING SHALL BE REMOVED AND REPLACED AS NECESSARY. NEW STRIPING AND PAVEMENT MARKING SHALL BE INSTALLED IN ACCORDANCE WITH THE STREET PLAN APPROVED BY THE MUNICIPAL UTILITIES AND ENGINEERING DIRECTOR OR APPOINTED REPRESENTATIVE.
6. CURB INSTALLATIONS AT LESS THAN 0.50 PERCENT GRADE SHALL HAVE CONSTRUCTION STAKES SET AT 12.5 FT. MAXIMUM INTERVALS AND ALL CURB FORMS SHALL BE CHECKED FOR GRADE COMPLIANCE PRIOR TO CONCRETE POUR. MAXIMUM DEVIATION FROM DESIGN PROFILE GRADE AT ANY LOCATION SHALL BE 0.01 FT.
7. SECTION 4216/4217 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE THE "ENCROACHMENT PERMIT" WILL BE VALID. FOR YOUR DIG ALERT ID NUMBER, CALL UNDERGROUND SERVICE ALERT (TOLL FREE) AT 1-800-227-2600, TWO WORKING DAYS BEFORE YOU DIG.
8. SOILS REPORT WITH LABORATORY TEST OF "R" VALUE AND SOILS ENGINEER'S STREET STRUCTURAL SECTION RECOMMENDATION SHALL SHE REVIEWED AND APPROVED BY THE CITY PRIOR TO ISSUANCE OF THE ENCROACHMENT PERMIT.
9. ASPHALT CONCRETE PAVEMENT SECTIONS ON NEW STREETS GREATER THAN 3" THICK SHALL BE PLACED IN A MINIMUM OF TWO LIFTS WITH THE LAST LIFT BEING DELAYED UNTIL 95% OF ALL DEVELOPER CONSTRUCTION HAS BEEN COMPLETED.
10. PRIOR TO ROAD CONSTRUCTION, SURVEY MONUMENTS SHALL BE REFERENCED OUT AND CORNER RECORDS FILED WITH THE COUNTY SURVEYOR, SURVEY POINTS DESTROYED DURING CONSTRUCTION SHALL BE RESET, AND A SECOND CORNER RECORD FILED FOR THOSE POINTS PRIOR TO COMPLETION AND ACCEPTANCE OF THE PROJECT.
11. SIGNS AND STRIPING SHALL CONFORM TO ALL SPECIFICATION, PLACEMENT AND MEASUREMENTS AS SHOWN IN THE LATEST MUTCD- CALIFORNIA.
12. QUANTITIES AS SHOWN ON THE PLANS, ARE ESTIMATED AND THE CONTRACTOR IS ADVISED THAT ALL FINAL QUANTITIES OF MATERIAL AND WORK IN PLACE MAY BE SOMEWHAT GREATER OR LESS THAN INDICATED ON THE PLANS.

ENGINEER'S NOTICE:

UNDERGROUND UTILITIES: THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THIS SET OF PLANS WERE OBTAINED BY AN EXAMINATION OF RECORDS OR AS REPORTED BY THE OWNER OR THEIR REPRESENTATIVES. THE UTILITIES ARE APPROXIMATE IN LOCATION AND EXTENT. THE OWNER, BY ACCEPTING THESE PLANS OR PROCEEDING WITH IMPROVEMENTS, AGREES TO ASSUME LIABILITY AND TO HOLD THE ENGINEER HARMLESS FOR ANY DAMAGES RESULTING FROM THE EXISTENCE OF UNDERGROUND UTILITIES OR STRUCTURES NOT REPORTED TO THE ENGINEER, NOT INDICATED ON THE PUBLIC RECORDS EXAMINED, NOT EXISTING IN THE LOCATIONS REPORTED TO THE ENGINEER, OR NOT SHOWN ON RECORDS EXAMINED. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES SHOWN AND ANY OTHER UTILITIES OR STRUCTURES NOT SHOWN ON THE PLANS BUT FOUND AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES OF CONCERN BEFORE STARTING WORK OR AS THE WORK PROGRESSES.

WORKPLACE SAFETY: ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK SHOWN ON OR RELATED TO THESE PLANS SHALL CONDUCT THEIR OPERATIONS SO THAT ALL EMPLOYEES ARE PROVIDED A SAFE PLACE TO WORK AND THE PUBLIC IS PROTECTED. ALL CONTRACTORS AND SUBCONTRACTORS SHALL COMPLY WITH THE "OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS" OF THE U.S. DEPARTMENT OF LABOR, AND WITH THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS' "CONSTRUCTION SAFETY ORDERS". THE CIVIL ENGINEER IS NOT RESPONSIBLE IN ANY WAY FOR THE CONTRACTORS' AND SUBCONTRACTORS' COMPLIANCE WITH SUCH SAFETY REGULATIONS.

THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE ENGINEER.

QUANTITY ESTIMATES: THE ESTIMATED QUANTITIES SHOWN ON THE PLANS ARE ONLY FOR THE PURPOSE OF OBTAINING THE NECESSARY PERMITS. THE UNDERSIGNED ENGINEER DOES NOT GUARANTEE THE ACCURACY OF THE ESTIMATED QUANTITIES. THE CONTRACTOR SHALL PERFORM HIS OWN QUANTITY TAKEOFF BEFORE SUBMITTING A BID FOR ANY PORTION OF THE IMPROVEMENTS COVERED BY THESE PLANS.

SITE DRAINAGE: THE GRADING AND DRAINAGE OF THE SITE HAS BEEN DESIGNED TO COMPLY WITH THE REQUIREMENTS OF APPLICABLE BUILDING CODES, ORDINANCES, AND LOCAL AGENCY REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING SITE DRAINAGE ACCORDING TO THE PLAN AND IS CAUTIONED TO CAREFULLY COORDINATE WITH UTILITY COMPANIES, LANDSCAPE CONTRACTORS OR OTHERS, WHOSE INSTALLATIONS MAY ADVERSELY AFFECT THE DRAINAGE OF THE SITE. THE ENGINEER OF RECORD IS NOT RESPONSIBLE FOR ANY SITE CONDITIONS OR CHANGES TO THE DESIGNED GRADES OR SWALES RESULTING FROM WORK CONDUCTED BY OTHERS.

EXISTING HAZARDOUS MATERIALS:

THE EXISTENCE AND LOCATION OF HAZARDOUS MATERIALS HAS NOT BEEN REVIEWED BY THE ENGINEER OR SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES, INCLUDING AN INVESTIGATION IF NEEDED, TO PROTECT ANY EXISTING HAZARDOUS MATERIALS IN PLACE OR TO PROVIDE SUITABLE DISPOSAL. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNER(S) OF KNOWN HAZARDOUS MATERIALS BEFORE STARTING CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT THE SITE AND PERSONNEL FROM CONTAMINATION OF KNOWN HAZARDOUS MATERIALS DURING CONSTRUCTION.

CONSTRUCTION NOTES: QUANTITIES*

ONSITE (PARKING LOT IMPROVEMENTS)

(3)	PROTECT IN PLACE	---
(22)	CONSTRUCT 6" PCC CURB PER SPPWC STD 120-3 TYPE A1-6 (560-C-3250)(PURSUANT TO SPPWC SPECIFICATION, SEC. 302-6)	1400 LF
(30)	INSTALL 0.25' AC OVER 0.35' CLASS II AGGREGATE BASE (24,515 SF)*	460 TON AC 320 CY BASE
(31)	INSTALL 4' WIDE RIBBON GUTTER PER DETAIL, SHEET C-1.2	530 LF
(32)	INSTALL 4'(L) X 7.5"(W) X 5.25"(H) CONCRETE WHEELSTOP	30 EA
(33)	INSTALL FLEXSTORM INSERT PER MANUFACTURER'S RECOMMENDATIONS AND DETAIL SHEET C-1.7	1 EA
(36)	PAINT 4" (WHITE) PARKING STRIPING PER PLANS	1,035 LF
(37)	INSTALL 30" NYLOPLAST DRAIN BASIN WITH 2'X2' ROAD & HIGHWAY GRATE PER DETAIL, SHEET C-1.8	1 EA
(38)	CONSTRUCT CURB OPENING PER SHEET C-1.4	2 EA
(39)	STENCIL INTERNATIONAL SYMBOL OF ACCESSIBILITY STALL EMBLEM PER CALDAG SPECIFICATIONS	4 EA
(40)	PAINT 4" (BLUE) PARKING STRIPING PER PLANS	40 LF
(41)	INSTALL STORMTECH MC-7200 INFILTRATION BASIN PER DETAILS, SHEETS C-1.7 & C-1.8	1 EA
(55)	INSTALL ADA RAMP PER SPPWC STD. 111-5 CASE B, TYPE 1	1 EA
(56)	INSTALL 4" PCC SIDEWALK PER SPPWC 101-2 AND 112-2	355 SF
(57)	INSTALL 36" X LENGTH PER PLAN, SURFACE APPLIED WARNING SURFACE PANEL, COLOR YELLOW BY ADA SOLUTIONS OR APPROVED EQUAL.	60 SF
(59)	INSTALL 4" WIDE WHITE PAVEMENT STRIPING, 3' ON CENTER, WITH BLUE OUTER LINES	430 LF
(60)	INSTALL 4" WIDE BLUE PAVEMENT STRIPING, 3' ON CENTER, WITH BLUE OUTER LINES	60 LF
(61)	INSTALL ADA SIGN PER SPPWC STD. 180-0	4 EA
(64)	INSTALL 18" ADS N-12 STORM DRAIN	5 LF
(65)	INSTALL WIDENED RIBBON GUTTER PER DETAIL, SHEET C-1.2	1 EA
(68)	CONSTRUCT DEEPENED CURB EDGE PER SHEET C-1.4	20 LF

*ESTIMATE IS FOR FEE PURPOSES ONLY. CONTRACTOR IS RESPONSIBLE FOR OWN QUANTITIES.

OFFSITE (STREET IMPROVEMENTS)

(2)	CONSTRUCT 4" THICK PCC SIDEWALK (560-6 3250) OVER 95% COMPACTED SUBGRADE PER SPPWC STD. 112-0	860 SF
(3)	PROTECT IN PLACE	---
(7)	CONSTRUCT 8" THICK PCC CONCRETE (560-C3250) PER SPPWC SPECIFICATION SEC 302-6 OVER 12" OF 95% COMPACTED SUBGRADE, WITH INTEGRAL COLOR STAMPED VEHICULAR PAVING, PER LANDSCAPE PLANS.	1,010 SF
(9)	JOIN EXISTING PAVEMENT AT EDGE. MEET EXISTING STREET PROFILE	205 LF
(12)	INSTALL 3" THICK CONCRETE PAVERS OVER 6" THICK PCC CONCRETE (560-C-3250) WITH #4 REBAR 16" O.C. EACH WAY, OVER 6" MIN CLASS 2 AGGREGATE BASE, OVER 12" OF 95% COMPACTED SUBGRADE, FOR PEDESTRIAN, CYCLISTS AND VEHICLE ACCESS PER LANDSCAPE PLANS SHEET LC-2.0 DETAIL 4.	350 SF
(16)	INSTALL 36" X LENGTH PER PLAN, SURFACE APPLIED WARNING SURFACE PANEL, COLOR YELLOW BY ADA SOLUTIONS OR APPROVED EQUAL.	110 SF
(23)	CONSTRUCT 8" PCC CURB AND GUTTER PER SPPWC. STD. 120-2, TYPE A2-8 (560-C-3250). JOIN FLUSH WITH EXISTING CURB AND GUTTER	200 LF
(28)	CONSTRUCT 6" OR VARIABLE HEIGHT PCC CURB PER SPPWC STD 120-2 TYPE A1-6 (560-C-3250). JOIN FLUSH WITH EXISTING CURB AND GUTTER/ CURB AND/ OR AC BERM	40 LF
(34)	INSTALL STEEL REMOVABLE BOLLARD, 36"H x 4" DIA., YELLOW OR SIMILAR	6 EA
(35)	INSTALL PEDESTRIAN CROSSING SIGN W11-2 PER MUTCD SPECIFICATIONS	6 EA
(36)	CONSTRUCT 0" PCC CURB & GUTTER	40 LF
(42)	INSTALL 2" WATER SERVICE WITH 1.5" IRRIGATION WATER METER PER CITY OF REDLANDS STD. A-20513	1 EA
(43)	CONNECTION TO BACKFLOW DEVICE, SIZE AND LOCATION PER LANDSCAPE PLANS	1 EA
(53)	INSTALL 8" AC PAVEMENT OVER COMPACTED GROUND	285 SF
(54)	COLD PLANE AND OVERLAY PER DETAIL 'A', SHEET C1.0	3580 SF
(58)	CONSTRUCT 8" PCC CURB AND GUTTER PER SPPWC. STD. 120-2, TYPE A2-8 (560-C-3250).	310 LF
(62)	INSTALL ADA RAMP PER SPPWC STD. 111-5 CASE B, TYPE 1	1 EA
(63)	INSTALL ADA RAMP PER SPPWC STD. 111-5 CASE D, TYPE 1	1 EA
(66)	CONSTRUCT 6" PCC CURB AND GUTTER PER SPPWC. STD. 120-2, TYPE A2-6 (560-C-3250)	20 LF
(67)	REPAIR/REFRESH EXISTING CENTERLINE STRIPING PER SPPWC STANDARD PLAN 170-0, DETAIL 22	LS
(68)	REPAIR/REFRESH EXISTING STOP SIGN STRIPING	LS
(69)	INSTALL 12" WHITE CROSSWALK LINES PER SPPWC STANDARD PLAN 175-0	LS

*ESTIMATE IS FOR FEE PURPOSES ONLY. CONTRACTOR IS RESPONSIBLE FOR OWN QUANTITIES.

LEGEND

AC	ASPHALT CONCRETE
BCR	BEGIN CURB RETURN
BH	BOTTOM OF HEADER
BLDG	BUILDING
CAB	CRUSHED AGGREGATE BASE
CF	CURB FACE
CLR	CLEAR
℄	CENTERLINE
DG	DECOMPOSED GRANITE
EB	ELECTRICAL BOX
ECR	END CURB RETURN
EXIST.	EXISTING
EP E/P	EDGE OF PAVEMENT
FG	FINISHED GRADE
FH	FIRE HYDRANT
FL	FLOW LINE
FS	FINISH SURFACE
GB	GRADE BREAK
GW	GUY WIRE
LT	LIGHT
R/W	RIGHT OF WAY
P.L.	PROPERTY LINE
PP	POWER POLE
S	SIGN
SMH	SEWER MANHOLE
TC	TOP OF CURB
WM	WATER METER
WV	WATER VALVE
XXX.XX	PROPOSED ELEVATION
(XXX.XX)	EXISTING ELEVATION

BOUNDARIES LEGEND

SYMBOL	DESCRIPTION
	SBCFCD RIGHT OF WAY
	PROPERTY LINE
	RIGHT OF WAY

SHEET INDEX

SHEET C-1.0	STREET IMPROVEMENT NOTES
SHEET C-1.1	REMOVAL PLAN
SHEET C-1.2	DETAILS FOR STREET AND SIDEWALK IMPROVEMENT PLAN
SHEET C-1.3	CHURCH STREET DETAILS
SHEET C-1.4	PARKING LOT IMPROVEMENT PLAN
SHEET C-1.5	HORIZONTAL CONTROL PLAN/ SIGNING AND STRIPING PLAN
SHEET C-1.6	DETAIL SHEET - 9TH STREET
SHEET C-1.7	STORMTECH DETAILS
SHEET C-1.8	STORMTECH DETAILS

CONSTRUCTION NOTES: (GENERAL):

1. SIDEWALK, CURB RAMP, CURB AND GUTTER AND DRIVEWAYS MAY REQUIRE EITHER FILL OR CUT OF EXISTING GROUND. THE QUANTITIES OF CUT AND FILL REQUIRED ARE ASSUMED TO BE INCLUDED IN THE MEASUREMENT AND PAYMENT OF THE WORK ITEM INVOLVED AND NO SEPARATE PAYMENT FOR CUT AND FILL WILL BE MADE. THIS INCLUDES ALL THE PAYMENTS FOR DISPOSAL AND ALL QUANTITIES OF SAND GRAVEL OR OTHER CONSTRUCTION MATERIALS TO BE PLACED.
2. WATER / IRRIGATION LINES WITHIN ANY CITY STREET TO BE PLACED SHALL HAVE A MINIMUM OF 18 INCHES FROM FINISHED SURFACE, UNLESS SAID IRRIGATION LINE IS INCASED IN CONCRETE OR BEDDED IN A SPECIAL CONCRETE CRADLE.
3. GRADES WITHIN THE PATH OF TRAVEL SHALL NOT EXCEED 5% IN THE DIRECTION OF TRAVEL. RAMP GRADES SHALL NOT EXCEED 3:4 (7.50%) IN THE DIRECTION OF TRAVEL. CROSS SLOPES SHALL NOT EXCEED 1.5% IN ANY CASE.
4. PRIOR TO THE CONSTRUCTION OF ANY NEW WATER / IRRIGATION LINE. THE CONTRACTOR SHALL FIELD LOCATE AND VERIFY THE ELEVATION AND MATERIAL OF THE EXISTING WATER / IRRIGATION LINE THAT IS TO BE JOINED.
5. ALL ELEVATIONS SHOWN WITH PARENTHESIS ARE RELATIVE ELEVATIONS OF EXISTING FEATURES WHICH ARE TO REMAIN. ELEVATIONS SHOWN WITHOUT PARENTHESIS ARE INTENDED FOR NEW IMPROVEMENTS.
6. LOCKS FOR THE BOLLARDS SHALL BE THE STANDARD 'AMERICAN' LOCKS TO FACILITATE CITY PERSONAL ACCESS DURING EMERGENCIES AND NORMAL OPERATIONS.
7. EXISTING FIRE PROTECTION SYSTEMS IN THE AREA OF THE PROJECT, INCLUDING FIRE HYDRANTS, SHALL REMAIN ACCESSIBLE AND OPERABLE.
8. FIRE/EMERGENCY ACCESS AND SITE SAFETY SHALL BE MAINTAINED DURING PROJECT CONSTRUCTION PHASES IN COMPLIANCE WITH CFC CHAPTER 33, FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.

* THE FOLLOWING INFORMATION BELOW WAS PROVIDED BY ON-POINT LAND SURVEYING INC. CASC ENGINEERING AND CONSULTING ASSUMES NO LIABILITY WITH REGARD TO ANY AND ALL INFORMATION SHOWN BELOW.

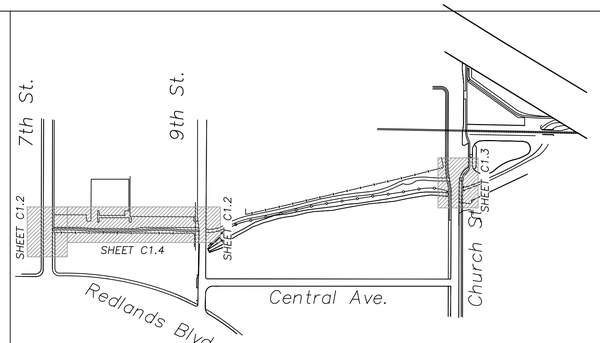
* BENCHMARK: CITY OF REDLANDS BENCHMARK R-49
** BRASS DISK IN TOP OF CURB @NE COR. ORANGE STREET AND COLTON AVE. EAST OF END OF RETURN.
** Elevation = 1370.856'

* BASIS OF BEARINGS:
** CENTERLINE OF CHURCH STREET BETWEEN CENTRAL AVENUE AND STUART AVENUE. BEARING BEING N00°03'13"E PER RS 56-51.

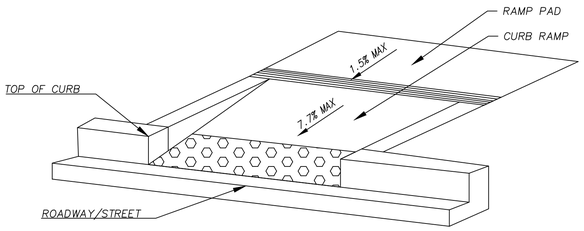
* SURVEYOR'S NOTE:
CENTERLINES AND RIGHT OF WAY LINES SHOWN HEREON WERE ESTABLISHED BY RECORD INFORMATION AND DO NOT REPRESENT A RETRACEMENT SURVEY PERFORMED ON THE GROUND.

CONSTRUCTION LEGEND

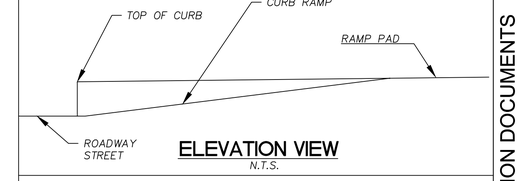
- 0.25' AC OVER 0.35' CLASS II AGGREGATE BASE
- VEHICULAR STAMPING
- CONCRETE PAVERS, PER LANDSCAPE PLAN
- PCC PAVING
- DETECTABLE WARNING TILES
- COLD PLANE AND OVERLAY
- 8" AC OVER COMPACTED GROUND
- EXISTING AC PAVING TO BE REMOVED



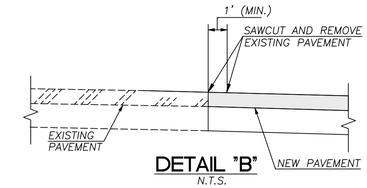
INDEX MAP
N.T.S.



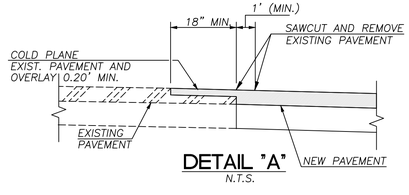
PICTORIAL VIEW
N.T.S.



ELEVATION VIEW
N.T.S.



DETAIL "B"
N.T.S.



DETAIL "A"
N.T.S.

CITY OF REDLANDS

ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No. 14-406

STREET IMPROVEMENT NOTES

DIGALERT
DIAL TOLL FREE
1 - 800 - 227 - 2600
AT LEAST TWO DAYS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

Accepted By:
Goutam K Dobey 10/24/2023
GOUTAM K. DOBEY Date
CITY ENGINEER RCE 75646

REGISTERED PROFESSIONAL ENGINEER PATRICK C. FLANAGAN, JR. NO. 86046 CIVIL STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:
CASC
Engineering and Consulting
1470 EAST COOLEY DRIVE
COLTON, CA 92324
PH. (909) 783-0101 FAX (909) 783-0108
CITY BUSINESS LICENSE NO. 1005558
PATRICK C. FLANAGAN, JR. R.C.E. NO. 86046 DATE:

Letter	Description	Date	Initial	Initial
2	PARKING LOT SURFACE REVISION. ADD UNDERGROUND BASIN & RIBBON GUTTER	10/27/23		
1	GLOBAL REVISIONS AND 9TH STREET IMPROVEMENTS	3/21/23		TC

Revisions

PROJECT NO.:14-406
PLOT DATE: 10/26/2023
DRAWN BY: C.F.
CHECKED BY: R.L.

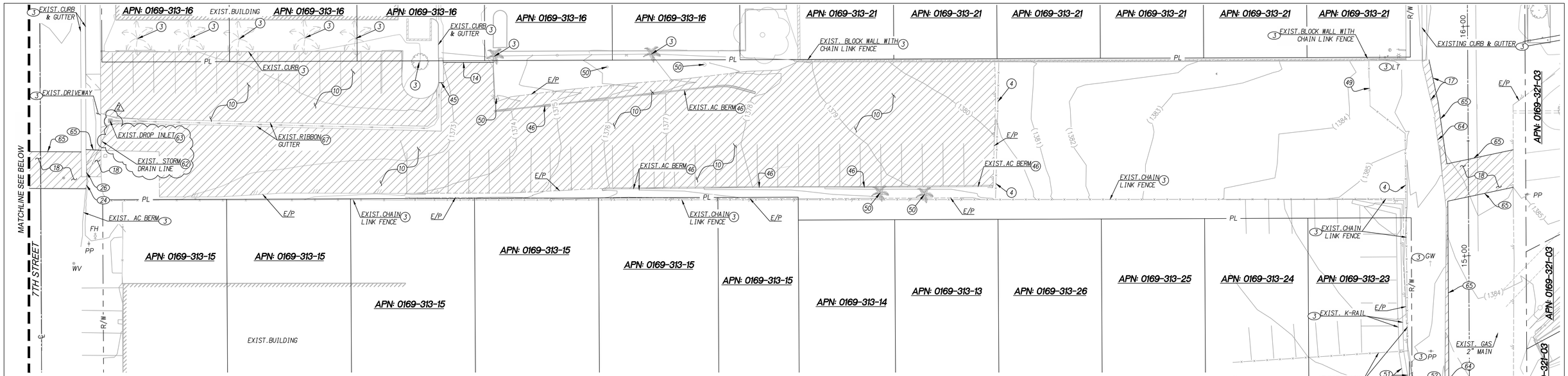
Approved By:
Tabitha Crocker 10/20/23
Tabitha Crocker Date
FACILITIES & COMMUNITY SERVICES DIRECTOR

Sheet 06 of 42 Sheets
Drawing No. C-1.0

2301 - ST 01/09

09/16/20 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

G:\1188-0163 ZANJA TRAIL\ENGINEERING\STREET IMPROVEMENT\1188-0163 ST IMP PLAN.DWG, Last plotted by:Gabe Marquez Monday, October 30, 2023 2:11:55 PM



ONSITE REMOVAL CONSTRUCTION NOTES

		QUANTITIES**
(3)	PROTECT IN PLACE	-- --
(4)	REMOVE AND DISPOSE OF CHAIN LINK FENCE	120 LF
(10)	REMOVE AND DISPOSE OF EXISTING AC PAVEMENT	20,545 SF
(14)	SAWCUT EXISTING PARKING LOT PAVEMENT	25 LF
(45)	SAWCUT PAVEMENT	5 LF
(46)	REMOVE EXISTING AC BERM	225 LF
(49)	REMOVE EXISTING GATE	15 LF
2 (50)	REMOVE EXISTING TREE/ STUMP	5 EA
(62)	REMOVE EXISTING STORM DRAIN	25 LF
(63)	REMOVE EXISTING STORM DRAIN INLET	1 EA
(67)	REMOVE EXISTING RIBBON GUTTER	160 LF

OFFSITE REMOVAL CONSTRUCTION NOTES

		QUANTITIES**
(3)	PROTECT IN PLACE	-- --
(17)	REMOVE AND DISPOSE EXISTING PAVEMENT	2,850 SF
(18)	REMOVE EXISTING PAVEMENT AND DISPOSE. PREPARE SITE FOR CONSTRUCTION OF ITEM 7	1,090 SF
(24)	REMOVE AND DISPOSE EXISTING AC BERM	210 LF
(26)	SAWCUT, REMOVE AND DISPOSE OF CURB AND GUTTER	70 LF
(48)	REMOVE AND SALVAGE TO CITY	70 LF
(51)	RELOCATE EXISTING K-RAIL 2' BEHIND SAWCUT	190 LF
(52)	RELOCATE EXISTING CHAIN LINK FENCE TO LOCATION SHOWN ON SHEET 1.6	185 LF
(64)	REMOVE EXISTING AC BERM	270 LF
(65)	SAWCUT PAVEMENT	680 LF

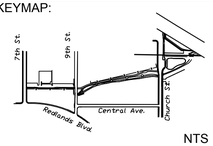
*REMOVAL QUANTITIES/ NOTES INCLUDE REMOVALS CALLED OUT ON SHEET C-1.3

LEGEND

- REMOVAL
- EXISTING TREE
- EXISTING TREE
- EXISTING TREE

DIGALERT
DIAL TOLL FREE 1 - 800 - 227 - 2600
AT LEAST TWO DAYS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

KEYMAP:



NTS

Accepted By:
Goutam K. Dobey
GOUTAM K. DOBEY
CITY ENGINEER RCE 75646
10/24/2023
Date

REGISTERED PROFESSIONAL ENGINEER
PATRICK C. FLANAGAN, JR.
NO. 86046
CIVIL
STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:
CASC
Engineering and Consulting
1470 EAST COOLEY DRIVE
COLTON, CA 92324
PH. (909) 783-0101 FAX (909) 783-0108
CITY BUSINESS LICENSE NO. 1005558

PATRICK C. FLANAGAN, JR. R.C.E. NO. 86046 DATE:

Letter	Description	Date	Initial	Initial
2	PARKING LOT SURFACE REVISED TO AC, ADD UNDERGROUND BASIN & RIBBON GUTTER	10/27/23		
1	GLOBAL REVISIONS AND 9TH STREET IMPROVEMENTS	3/21/23		TC

Revisions

CITY OF REDLANDS

ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No. 14-406

REMOVAL PLAN

PROJECT NO.:14-406
PLOT DATE: 10/26/2023
DRAWN BY: C.F.
CHECKED BY: R.L.

Approved By:
Tabitha Crocker
Tabitha Crocker
FACILITIES & COMMUNITY SERVICES DIRECTOR
10/20/23
Date

Sheet 07 of 42 Sheets
Drawing No. C-1.1

2301 - ST 02/09

09/16/20 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

Q:\1188-0163 ZANJA TRAIL\ENGINEERING\STREET IMPROVEMENT\1188-0163 ST IMP PLAN - LOT.DWG, Last plotted by:Gabe Marquez Monday, October 30, 2023 2:12:11 PM

ONSITE (PARKING LOT IMPROVEMENTS)

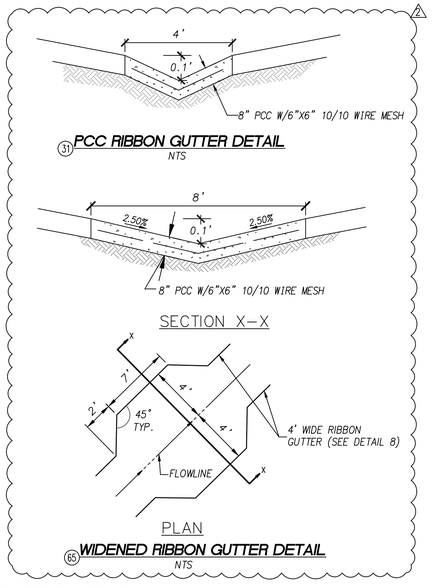
(22) CONSTRUCT 6" PCC CURB PER SPPWC STD 120-2 TYPE A1-6 (560-C-3250)(PURSUANT TO SPPWC SPECIFICATION SEC 302-6) △2
(30) INSTALL 0.25' AC OVER 0.35' CLASS II AGGREGATE BASE (24,515 SF)*
(31) INSTALL 4' WIDE RIBBON GUTTER PER DETAIL, SEE THIS SHEET
(56) INSTALL 4" PCC SIDEWALK PER SPPWC 101-2 AND 112-2

OFFSITE (STREET IMPROVEMENTS)

(2) CONSTRUCT 4" THICK PCC SIDEWALK (560-6 3250) OVER 95% COMPACTED SUBGRADE PER SPPWC STD. 112-0
(3) PROTECT IN PLACE
(7) CONSTRUCT 8" THICK PCC CONCRETE (560-C3250) PER SPPWC SPECIFICATION SEC 302-6 OVER 12" OF 95% COMPACTED SUBGRADE, WITH INTEGRAL COLOR STAMPED VEHICULAR PAVING PER LANDSCAPE PLANS.
(9) JOIN EXISTING PAVEMENT AT EDGE. MEET EXISTING STREET PROFILE
(12A) INSTALL 3" THICK CONCRETE PAVERS OVER 6" THICK PCC CONCRETE (560-C-3250) WITH #4 REBAR 16" O.C. EACH WAY, OVER 6" MIN CLASS 2 AGGREGATE BASE, OVER 12" OF 95% COMPACTED SUBGRADE, FOR PEDESTRIAN, CYCLISTS AND VEHICLE ACCESS PER LANDSCAPE PLANS SHEET LC-2.0 DETAIL 4.
(28) CONSTRUCT 6" OR VARIABLE HEIGHT PCC CURB PER SPPWC STD 120-2 TYPE A1-6 (560-C-3250). JOIN FLUSH WITH EXISTING CURB AND GUTTER/ CURB AND/ OR AC BERM
(34) INSTALL STEEL REMOVABLE BOLLARD, 36"H x 4" DIA., YELLOW OR SIMILAR
(35) INSTALL PEDESTRIAN CROSSING SIGN W11-2 PER MUTCD SPECIFICATIONS
(36) CONSTRUCT 0" PCC CURB & GUTTER
(53) INSTALL 8" AC PAVEMENT OVER COMPACTED GROUND
(54) COLD PLANE AND OVERLAY PER DETAIL 'A', SHEET C1.0
(58) CONSTRUCT 8" PCC CURB AND GUTTER PER SPPWC. STD. 120-2, TYPE A2-8 (560-C-3250).
(62) INSTALL ADA RAMP PER SPPWC STD. 111-5 CASE B, TYPE 1
(67) REPAIR/REFRESH EXISTING CENTERLINE STRIPING PER SPPWC STANDARD PLAN 170-0, DETAIL 22

LINE TABLE		
LINE #	LENGTH	BEARING
(D)	168.58'	N0°19'00"E
(E)	6.00'	N0°19'00"E
(F)	2.52'	N0°19'00"E
(P)	28.62'	N08°03'12"W
(Q)	5.13'	N12°03'05"W
(R)	14.08'	N12°03'05"W

CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
(H)	7.83'	5.00'	89°44'23"
(I)	7.84'	4.40'	102°03'32"



(31) PCC RIBBON GUTTER DETAIL
NTS

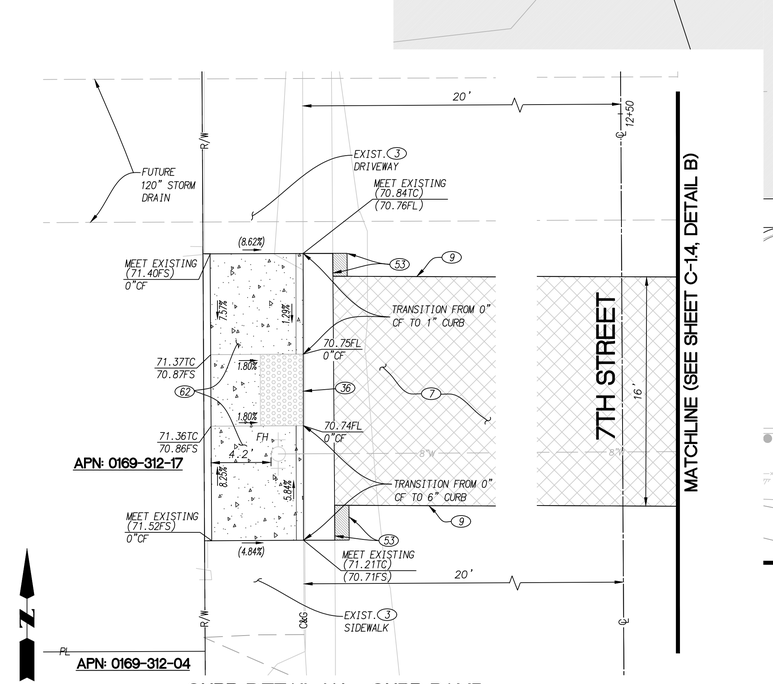
(65) WIDENED RIBBON GUTTER DETAIL
NTS

CONSTRUCTION LEGEND △2

- 0.25' AC OVER 0.35' CLASS II AGGREGATE BASE
- VEHICULAR STAMPING
- CONCRETE PAVERS, PER LANDSCAPE PLAN
- PCC CONCRETE
- DETECTABLE WARNING TILES
- COLD PLANE AND OVERLAY
- 8" AC OVER COMPACTED GROUND
- PCC SIDEWALK PER LANDSCAPE PLAN

BOUNDARIES LEGEND

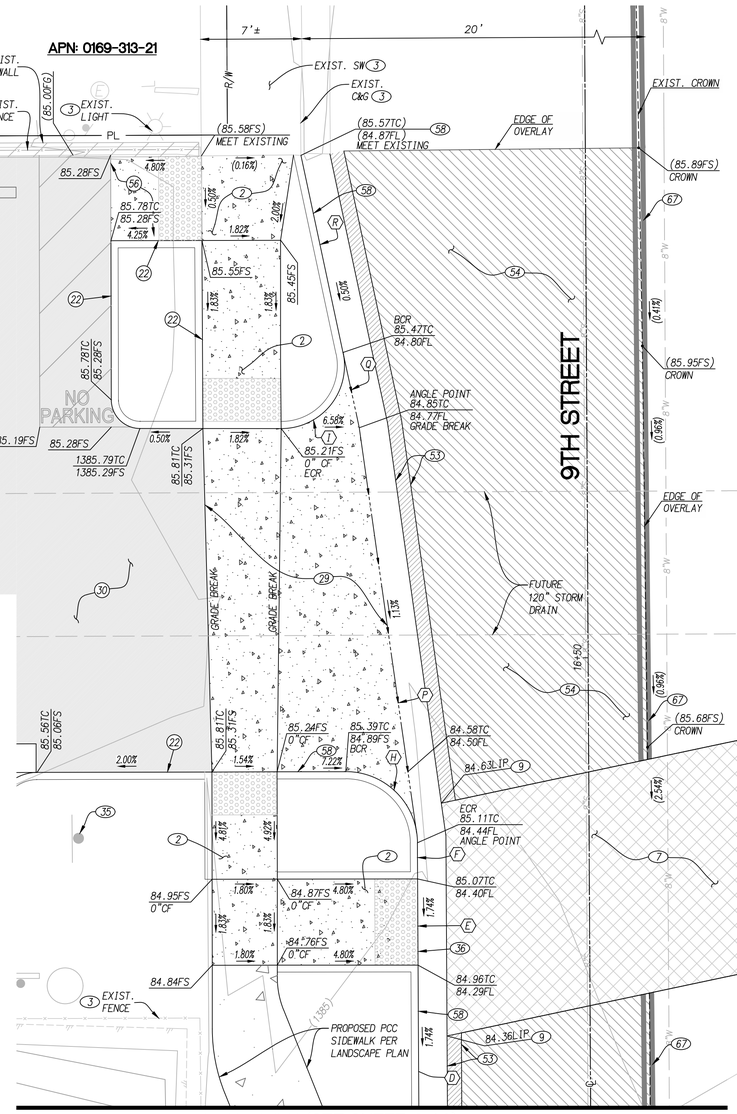
SYMBOL	DESCRIPTION
	SBCFCD RIGHT OF WAY
	PROPERTY LINE
	RIGHT OF WAY



SCALE: 1"=5'

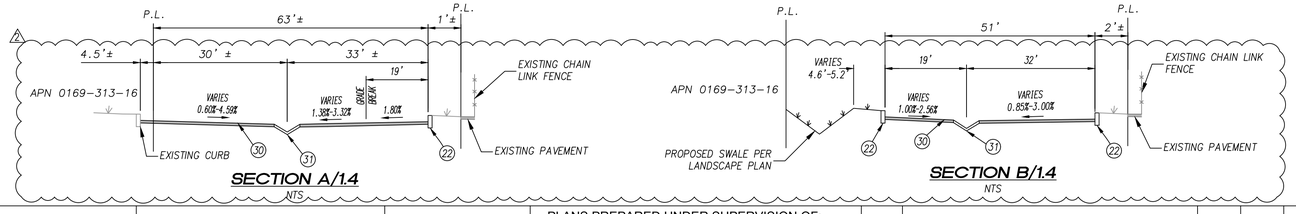
CURB DETAIL 'A' - CURB RAMP

CURB DETAIL 'C' - CURB RAMP



CURB DETAIL 'D' - CURB RAMP

SCALE: 1"=5'



SECTION A/1.4
NTS

SECTION B/1.4
NTS

DIGALERT
DIAL TOLL FREE 1-800-227-2600
AT LEAST TWO DAYS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

Accepted By:
Goutam K. Dobey 10/24/2023
GOUTAM K. DOBEY Date
CITY ENGINEER RCE 75646

REGISTERED PROFESSIONAL ENGINEER PATRICK C. FLANAGAN, JR. NO. 86046 CIVIL STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:
CASC Engineering and Consulting
1470 EAST COOLEY DRIVE
COLTON, CA 92324
PH. (909) 783-0101 FAX (909) 783-0108
CITY BUSINESS LICENSE NO. 1005558
PATRICK C. FLANAGAN, JR. R.C.E. NO. 86046 DATE:

Letter	Description	Date	Initial	Initial
△2	PARKING LOT SURFACE REVISION, ADD UNDERGROUND BASIN & RIBBON GUTTER	10/27/23		
△1	GLOBAL REVISIONS AND 9TH STREET IMPROVEMENTS	3/21/23		TC

Revisions

CITY OF REDLANDS

ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No. 14-406

DETAILS FOR STREET AND SIDEWALK IMPROVEMENT PLAN

PROJECT NO.:14-406
PLOT DATE: 10/26/2023
DRAWN BY: C.F.
CHECKED BY: R.L.

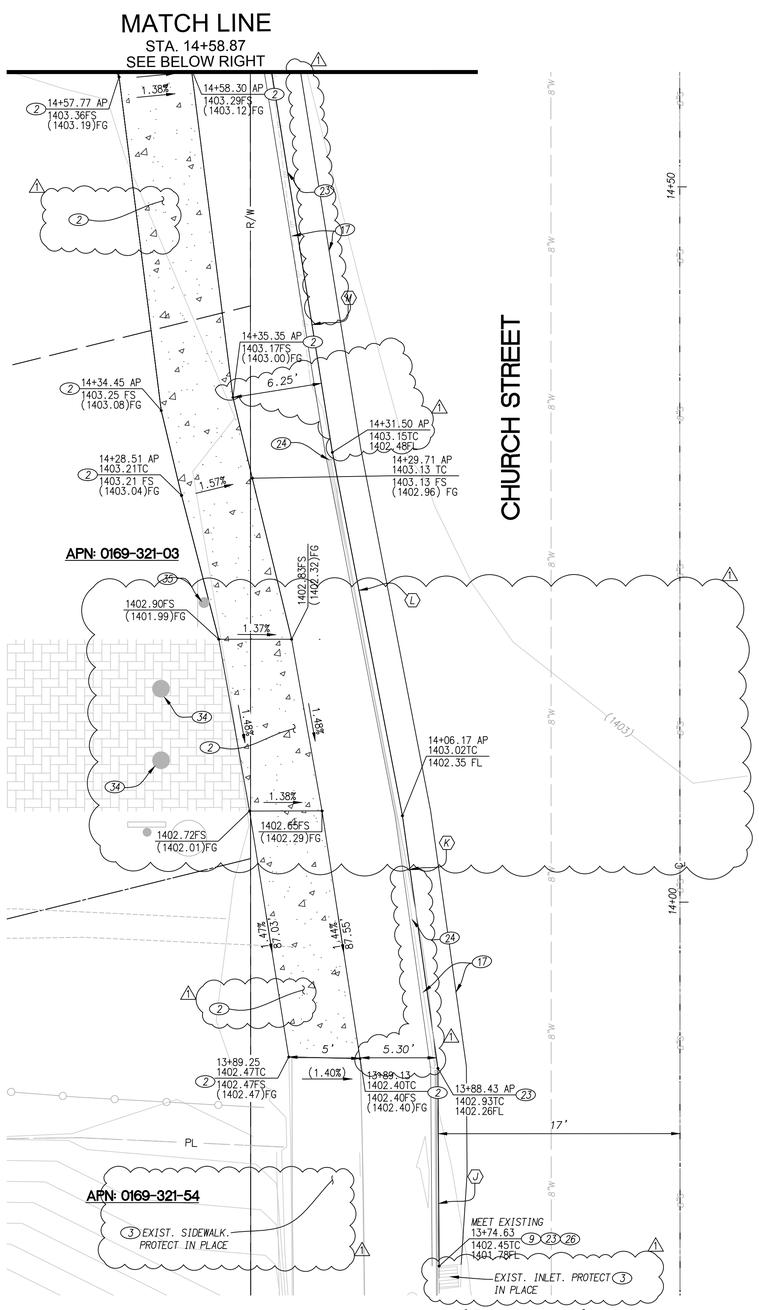
Approved By: Tabitha Crocker 10/20/23
Tabitha Crocker Date
FACILITIES & COMMUNITY SERVICES DIRECTOR

Sheet 08 of 42 Sheets
Drawing No. C-1.2

2301 - ST 03/09

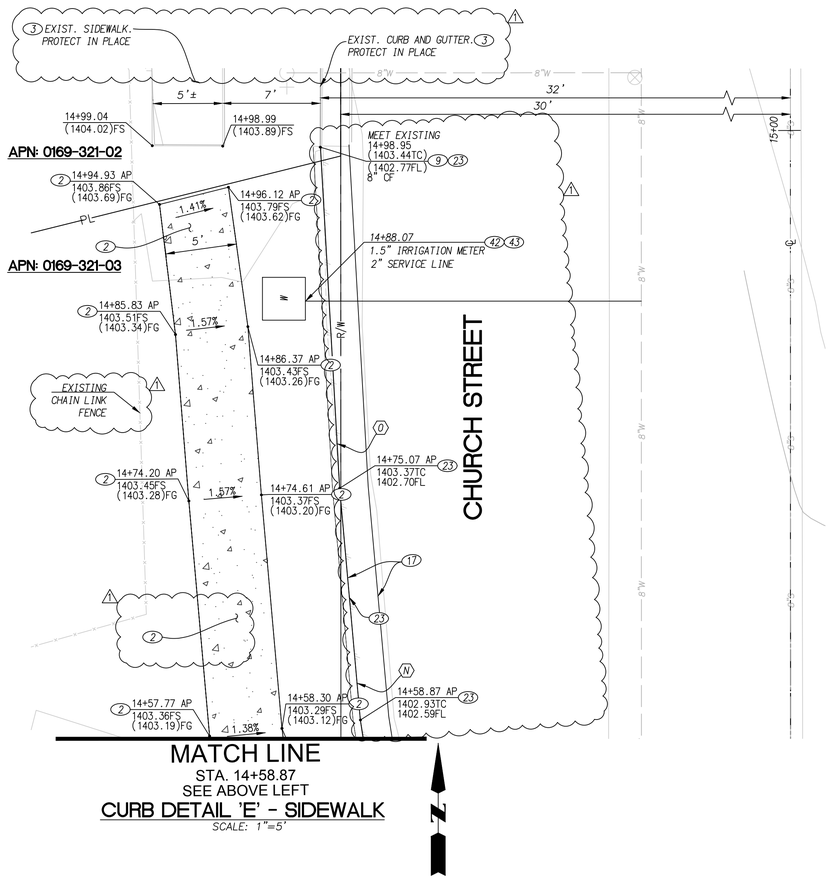
09/16/20 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

C:\1188-0163 ZANJA TRAIL\ENGINEERING\STREET IMPROVEMENT\1188-0163 ST IMP PLAN.DWG, Last plotted by:Gabe Marquez Monday, October 30, 2023 2:14:00 PM



CURB DETAIL 'E' - CURB RAMP AND SIDEWALK (CHURCH ST)

SCALE: 1"=5'



MATCH LINE
STA. 14+58.87
SEE ABOVE LEFT

CURB DETAIL 'E' - SIDEWALK

SCALE: 1"=5'

OFFSITE (STREET IMPROVEMENTS)

(2) CONSTRUCT 4" THICK PCC SIDEWALK (560-6 3250) OVER 95% COMPACTED SUBGRADE PER SPPWC STD. 112-0

(9) JOIN EXISTING PAVEMENT AT EDGE. MEET EXISTING STREET PROFILE

(17) REMOVE AND DISPOSE EXISTING PAVEMENT

(23) CONSTRUCT 8" PCC CURB AND GUTTER PER SPPWC. STD. 120-2, TYPE A2-8 (560-C-3250). JOIN FLUSH WITH EXISTING CURB AND GUTTER

(24) REMOVE AND DISPOSE OF EXISTING AC BERM

(26) SAWCUT, REMOVE AND DISPOSE OF CURB AND GUTTER

(34) INSTALL STEEL REMOVABLE BOLLARD, 36"H x 4" DIA., YELLOW OR SIMILAR

(35) INSTALL PEDESTRIAN CROSSING SIGN W11-2 PER MUTCD SPECIFICATIONS

(42) INSTALL 2" WATER SERVICE WITH 1.5" IRRIGATION WATER METER PER CITY OF REDLANDS STD. A-20513

(43) CONNECTION TO BACKFLOW DEVICE, SIZE AND LOCATION PER LANDSCAPE PLANS

BOUNDARIES LEGEND

SYMBOL	DESCRIPTION
	SBCFCD RIGHT OF WAY
	PROPERTY LINE
	RIGHT OF WAY

CONSTRUCTION LEGEND

CONCRETE PAVERS, PER LANDSCAPE PLAN

PCC CONCRETE

LINE TABLE		
LINE #	LENGTH	BEARING
(J)	13.81'	N0°21'29"W
(K)	17.82'	N17°58'44"W
(L)	25.87'	N10°54'014"W
(M)	27.70'	N9°04'47"W
(N)	16.26'	N5°06'09"W
(O)	23.91'	N3°13'33"W

DIGALERT
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Accepted By:

Goutam K Dobey — 10/24/2023

GOUTAM K. DOBEY — Date

CITY ENGINEER RCE 75646

REGISTERED PROFESSIONAL ENGINEER — PATRICK C. FLANAGAN, JR. — NO. 86046 — CIVIL — STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:

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PH. (909) 783-0101 FAX (909) 783-0108
CITY BUSINESS LICENSE NO. 1005558

PATRICK C. FLANAGAN, JR. R.C.E. NO. 86046 DATE:

Letter	Description	Date	Initial	Initial
1	GLOBAL REVISIONS AND 9TH STREET IMPROVEMENTS	3/21/23		TC

Revisions

CITY OF REDLANDS

ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No. 14-406

CHURCH STREET DETAILS

PROJECT NO.:14-406

PLOT DATE: 10/26/2023

DRAWN BY: C.F.

CHECKED BY: R.L.

Approved By:
Tabitha Crocker — 10/20/23
Tabitha Crocker — Date
FACILITIES & COMMUNITY SERVICES DIRECTOR

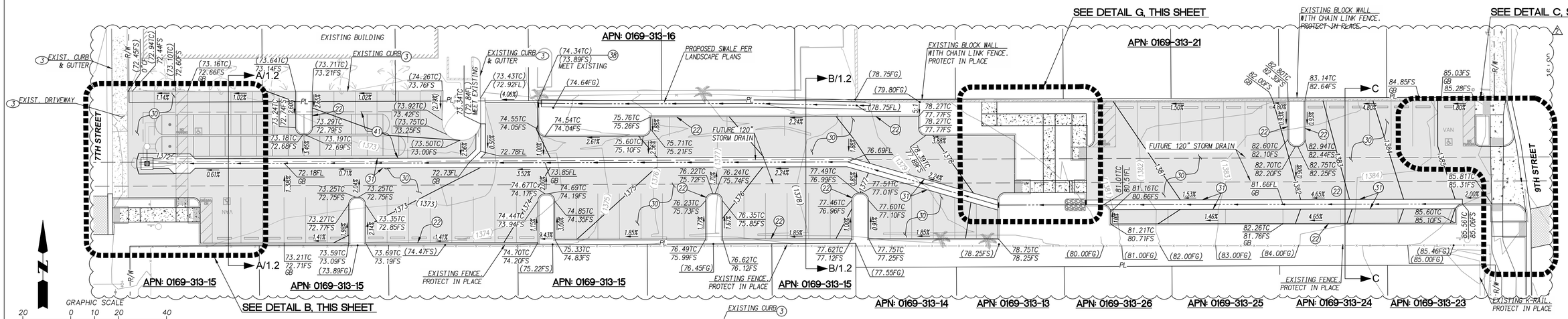
Sheet 09 of 42 Sheets

Drawing No. C-1.3

2301 - ST 04/09

09/16/20 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

Q:\1188-0163 ZANJA TRAIL\ENGINEERING\STREET IMPROVEMENT\1188-0163 ST IMP PLAN.DWG, Last plotted by:Gabe Marquez Monday, October 30, 2023 2:14:27 PM



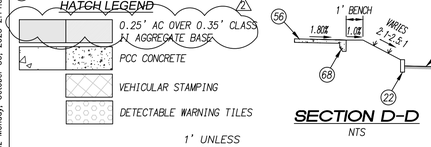
OFFSITE CONSTRUCTION NOTES

(3) PROTECT IN PLACE
(36) CONSTRUCT 0" PCC CURB AND GUTTER
(53) INSTALL 8" AC PAVEMENT OVER COMPACTED GROUND
(63) INSTALL ADA RAMP PER SPPWC STD. 111-5 CASE D, TYPE 1
(66) CONSTRUCT 6" PCC CURB AND GUTTER PER SPPWC. STD. 120-2, TYPE A2-6 (560-C-3250)

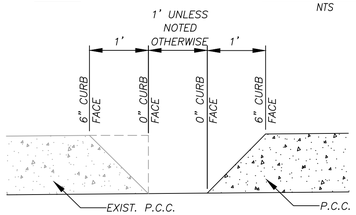
ONSITE CONSTRUCTION NOTES

(3) PROTECT IN PLACE
(22) CONSTRUCT 6" PCC CURB PER SPPWC STD 120-3 TYPE A1-6 (560-C-3250)(PURSUANT TO SPPWC SPECIFICATION SEC. 302-6)
(30) INSTALL 0.25' AC OVER 0.35' CLASS II AGGREGATE BASE (24,515 SF)*
(31) INSTALL 4' WIDE RIBBON GUTTER PER DETAIL, SHEET C-1.2
(33) INSTALL FLEXSTORM INSERT PER MANUFACTURER'S RECOMMENDATIONS
(37) INSTALL 30" NYLOPLAST DRAIN BASIN WITH 2'X2' ROAD & HIGHWAY GRATE PER DETAIL, SHEET C-1.8
(38) CONSTRUCT CURB OPENING PER SHEET C-1.4
(41) INSTALL STORMTECH MC-7200 INFILTRATION BASIN PER DETAILS, SHEETS C-1.7 & C-1.8
(55) INSTALL ADA RAMP PER SPPWC STD. 111-5 CASE D, TYPE 1
(56) INSTALL 4" PCC SIDEWALK PER SPPWC 101-2 AND 112-2
(64) INSTALL 18" ADS N-12 STORM DRAIN
(65) INSTALL WIDENED RIBBON GUTTER PER DETAIL, SHEET C-1.2
(68) CONSTRUCT DEEPENED CURB EDGE PER SHEET C-1.4

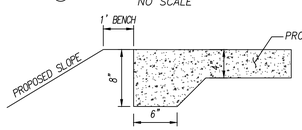
HATCH LEGEND
- 0.25' AC OVER 0.35' CLASS II AGGREGATE BASE
- PCC CONCRETE
- VEHICULAR STAMPING
- DETECTABLE WARNING TILES



SECTION D-D
NTS

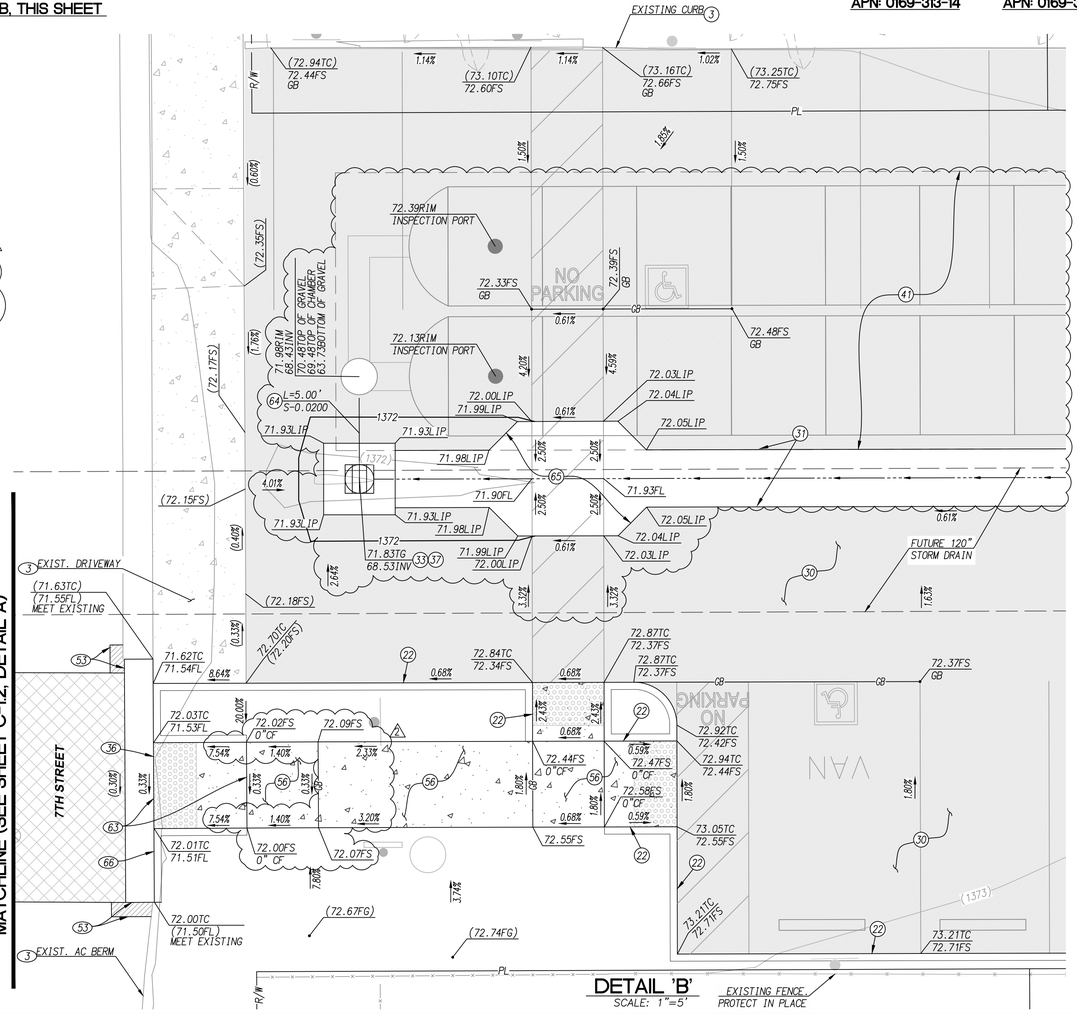


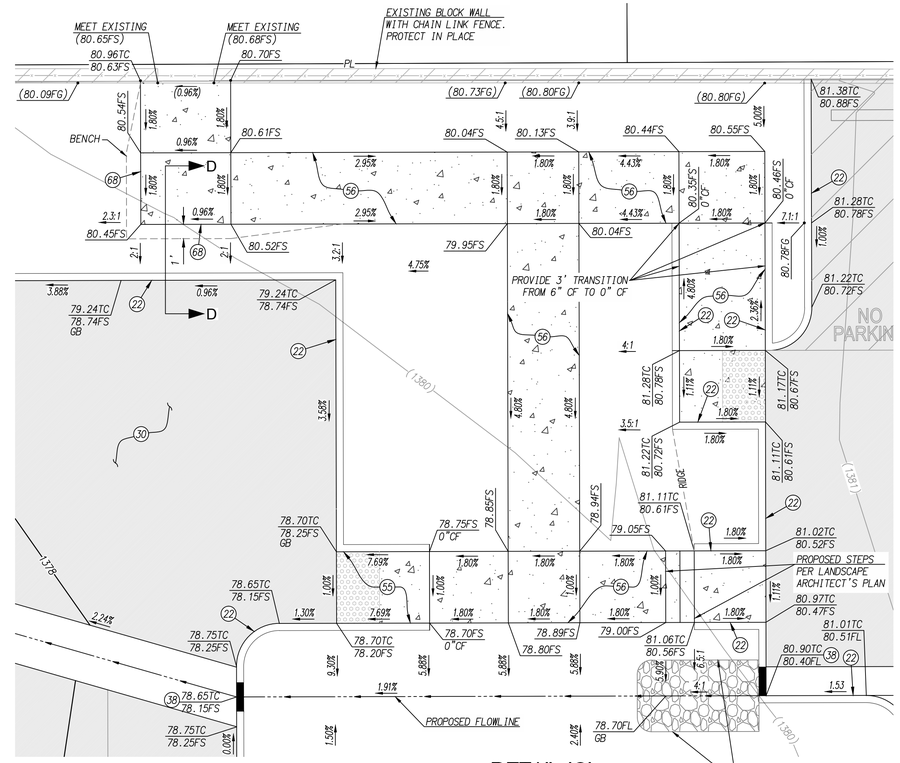
CURB OPENING DETAIL
NO SCALE

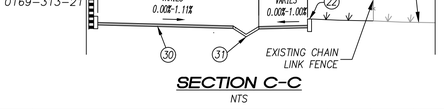


DEEPENED CURB EDGE DETAIL
NO SCALE

MATCHLINE (SEE SHEET C-12, DETAIL A)







SECTION C-C
NTS

CITY OF REDLANDS

ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No. 14-406

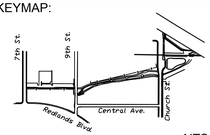
PARKING LOT IMPROVEMENT PLAN

2301 - ST 05/09

09/16/20 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

DIGALERT
DIAL TOLL FREE 1-800-227-2600
AT LEAST TWO DAYS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

KEYMAP:



NTS

Accepted By:
Goutam K Dobey
GOUTAM K. DOBEY
CITY ENGINEER RCE 75646
10/24/2023
Date

REGISTERED PROFESSIONAL ENGINEER PATRICK C. FLANAGAN, JR. NO. 86046 CIVIL STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:
CASC
Engineering and Consulting
1470 EAST COOLEY DRIVE
COLTON, CA 92324
PH. (909) 783-0101 FAX (909) 783-0108
CITY BUSINESS LICENSE NO. 1005558

PATRICK C. FLANAGAN, JR. R.C.E. NO. 86046 DATE:

Letter	Description	Date	Initial	Initial
2	PARKING LOT SURFACE REVISION. ADD UNDERGROUND BASIN & RIBBON GUTTER	10/27/23		
1	GLOBAL REVISIONS AND 9TH STREET IMPROVEMENTS	3/21/23		TC

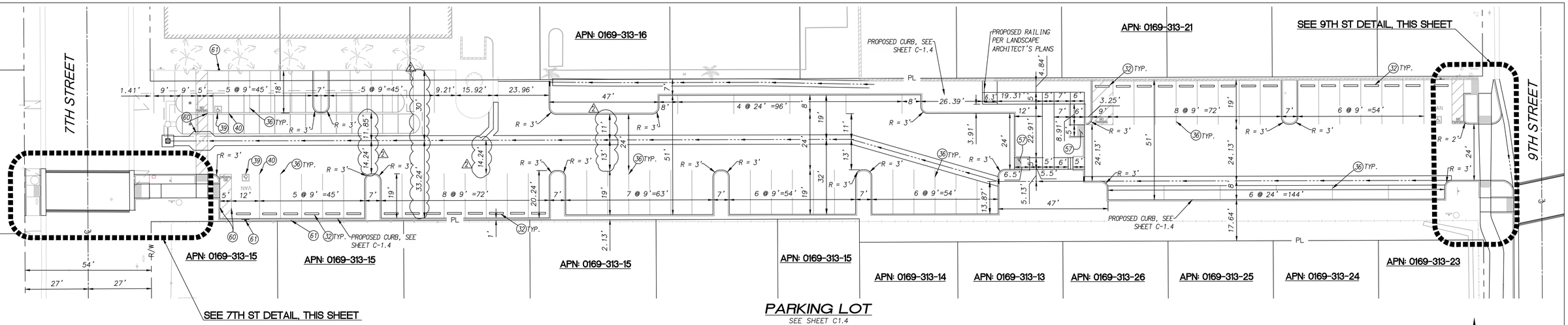
Revisions

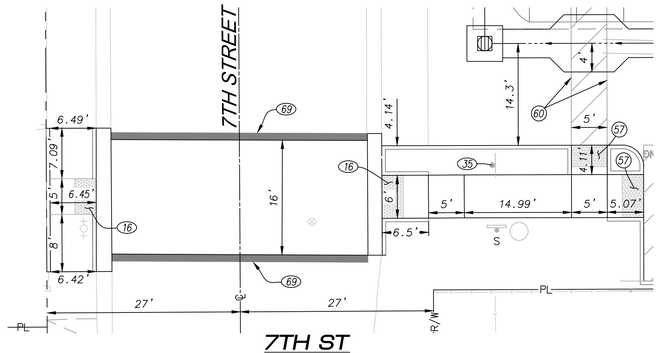
PROJECT NO.:14-406
PLOT DATE: 10/26/2023
DRAWN BY: C.F.
CHECKED BY: R.L.

Approved By:
Tabitha Crocker
Tabitha Crocker
FACILITIES & COMMUNITY SERVICES DIRECTOR
10/20/23
Date

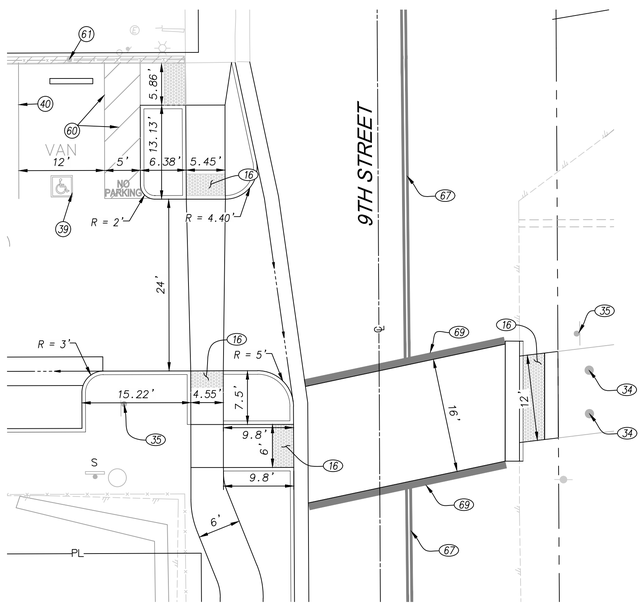
Sheet 10 of 42 Sheets
Drawing No. C-1.4

G:\1188-0163 ZANJA TRAIL\ENGINEERING\STREET IMPROVEMENT\1188-0163 ST IMP PLAN - LOT.DWG, Last plotted by:Gabe Marquez Monday, October 30, 2023 2:14:55 PM





7TH ST
SCALE: 1"=10'
SEE SHEET C1.2, DET. "A"



9TH ST
SCALE: 1"=10'
SEE SHEET C1.1 & C1.2, DET. "C" & "D"

ONSITE CONSTRUCTION NOTES

(32) INSTALL 4'(L) X 7.5'(W) X 5.25"(H) CONCRETE WHEELSTOP
(36) INSTALL 4" WIDE WHITE PARKING LOT STRIPING
(39) STENCIL INTERNATIONAL SYMBOL OF ACCESSIBILITY STALL EMBLEM PER CALDAG SPECIFICATIONS
(40) PAINT 4" (BLUE) PARKING STRIPING PER PLANS
(57) INSTALL 36" X LENGTH PER PLAN, SURFACE APPLIED WARNING SURFACE PANEL, COLOR YELLOW BY ADA SOLUTIONS OR APPROVED EQUAL.
(59) INSTALL 4" WIDE WHITE PAVEMENT STRIPING, 3' ON CENTER, WITH BLUE OUTER LINES
(60) INSTALL 4" WIDE BLUE PAVEMENT STRIPING, 3' ON CENTER, WITH BLUE OUTER LINES
(61) INSTALL ADA SIGN PER SPPWC STD. 180-0

GRAPHIC SCALE
20 0 10 20 40
1" = 20'

OFFSITE CONSTRUCTION NOTES

(16) INSTALL 36" X LENGTH PER PLAN, SURFACE APPLIED WARNING SURFACE PANEL, COLOR YELLOW BY ADA SOLUTIONS OR APPROVED EQUAL.
(34) INSTALL STEEL REMOVABLE BOLLARD, 36"H x 4" DIA., YELLOW OR SIMILAR
(35) INSTALL PEDESTRIAN CROSSING SIGN W11-2 PER MUTCD SPECIFICATIONS
(67) REPAIR/REFRESH EXISTING CENTERLINE STRIPING PER SPPWC STANDARD PLAN 170-0, DETAIL 22
(69) INSTALL 12" WHITE CROSSWALK LINES PER SPPWC STANDARD PLAN 175-0

NOTE:
1. TOW-AWAY SIGNS SHALL BE INSTALLED AT A CONSPICUOUS PLACE AT EACH ENTRANCE TO THE PARKING LOT.

DIGALERT
DIAL TOLL FREE
1 - 800 - 227 - 2600
AT LEAST TWO DAYS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

Accepted By:
Goutam K. Dobey
GOUTAM K. DOBEY
CITY ENGINEER RCE 75646
10/24/2023
Date

REGISTERED PROFESSIONAL ENGINEER
PATRICK C. FLANAGAN, JR.
NO. 86046
CIVIL
STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:
CASC
Engineering and Consulting
1470 EAST COOLEY DRIVE
COLTON, CA 92324
PH. (909) 783-0101 FAX (909) 783-0108
CITY BUSINESS LICENSE NO. 1005558
PATRICK C. FLANAGAN, JR. R.C.E. NO. 86046 DATE:

Letter	Description	Date	Initial	Initial
2	PARKING LOT SURFACE REVISION, ADD UNDERGROUND BASIN & RIBBON GUTTER	10/27/23		TC
1	GLOBAL REVISIONS AND 9TH STREET IMPROVEMENTS	3/21/23		

Revisions

CITY OF REDLANDS

ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No. 14-406

HORIZONTAL CONTROL PLAN/
SIGNING AND STRIPING PLAN

PROJECT NO.:14-406
PLOT DATE: 10/26/2023
DRAWN BY: C.F.
CHECKED BY: R.L.

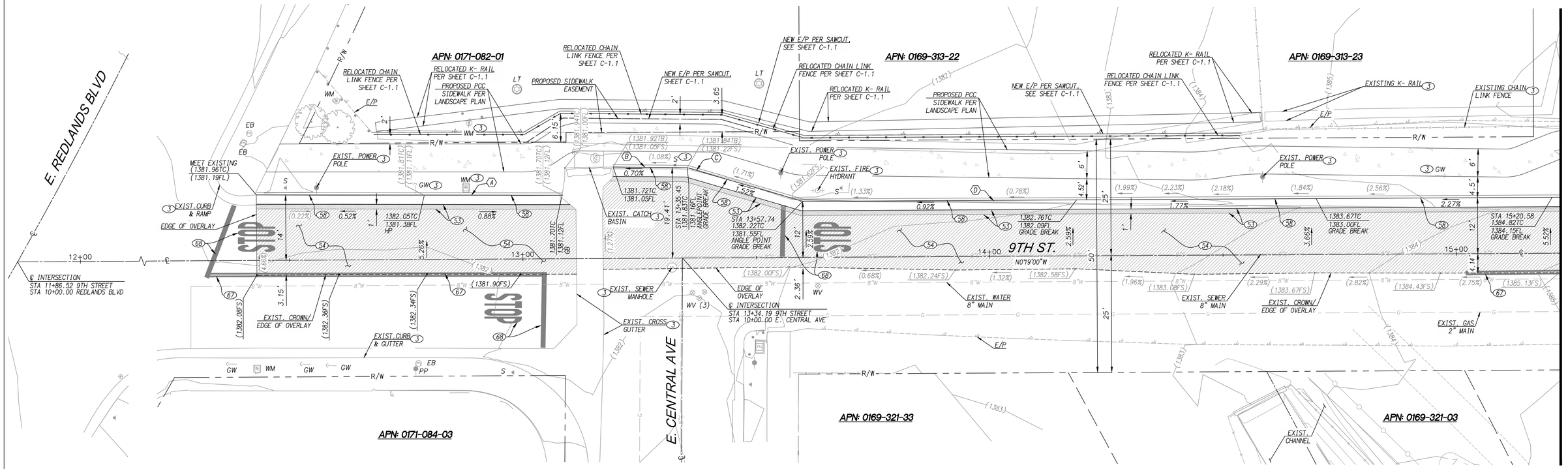
Approved By:
Tabitha Crocker
Tabitha Crocker
FACILITIES & COMMUNITY SERVICES DIRECTOR
10/20/23
Date

Sheet 11 of 42 Sheets
Drawing No. C-1.5

2301 - ST 06/09

09/16/20 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

Q:\1188-0163 ZANJA TRAIL\ENGINEERING\STREET IMPROVEMENT\1188-0163 ST IMP PLAN.DWG, Last plotted by:Jade Marquez Monday, October 30, 2023 2:16:32 PM



OFFSITE STREET IMPROVEMENTS

(3) PROTECT IN PLACE
(53) INSTALL 8" AC PAVEMENT OVER COMPACTED GROUND
(54) COLD PLANE AND OVERLAY PER DETAIL 'A', SHEET C1.0
(58) CONSTRUCT 8" PCC CURB AND GUTTER PER SPPWC. STD. 120-2, TYPE A2-8 (560-C-3250).
(67) REPAIR/REFRESH EXISTING CENTERLINE STRIPING PER SPPWC STANDARD PLAN 170-0, DETAIL 22
(68) REPAIR/REFRESH EXISTING STOP SIGN STRIPING

LEGEND

AC	ASPHALT CONCRETE
BLDG	BUILDING
CF	CURB FACE
℄	CENTERLINE
DG	DECOMPOSED GRANITE
EB	ELECTRICAL BOX
EXIST.	EXISTING
E/P	EDGE OF PAVEMENT
FG	FINISHED GRADE
FL	FLOW LINE
FS	FINISH SURFACE
GB	GRADE BREAK
GW	GUY WIRE
LT	LIGHT
R/W	RIGHT OF WAY
P.L.	PROPERTY LINE
PP	POWER POLE
S	SIGN
SMH	SEWER MANHOLE
TC	TOP OF CURB
WM	WATER METER
WV	WATER VALVE
XXX.XX	PROPOSED ELEVATION
(XXX.XX)	EXISTING ELEVATION

BOUNDARIES LEGEND

SYMBOL	DESCRIPTION
	SBCFCD RIGHT OF WAY
	PROPERTY LINE
	RIGHT OF WAY

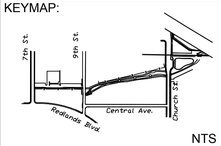
CONSTRUCTION LEGEND

- COLD PLANE AND OVERLAY
- 8" AC OVER COMPACTED GROUND
- PCC SIDEWALK PER LANDSCAPE PLAN

LINE TABLE		
LINE #	LENGTH	BEARING
(A)	65.50'	N0°03'39"E
(B)	15.88'	N0°30'32"E
(C)	25.76'	N16°17'39"E
(D)	168.58'	N0°19'00"E

GRAPHIC SCALE
10 0 5 10 20
1" = 10'

DIGALERT
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UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

KEYMAP:


NTS

Accepted By:
Goutam K. Dobey 10/24/2023
GOUTAM K. DOBEY Date
CITY ENGINEER RCE 75646

REGISTERED PROFESSIONAL ENGINEER PATRICK C. FLANAGAN JR. NO. 86046 CIVIL STATE OF CALIFORNIA

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PH. (909) 783-0101 FAX (909) 783-0108
CITY BUSINESS LICENSE NO. 1005558
PATRICK C. FLANAGAN, JR. R.C.E. NO. 86046 DATE:

Letter	Description	Date	Initial	Initial
1	GLOBAL REVISIONS AND 9TH STREET IMPROVEMENTS	3/21/23		TC

Revisions

CITY OF REDLANDS

ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No. 14-406

DETAIL SHEET - 9TH STREET

PROJECT NO.:14-406
PLOT DATE: 10/26/2023
DRAWN BY: C.F.
CHECKED BY: R.L.

Approved By:
Tabitha Crocker 10/20/23
Tabitha Crocker Date
FACILITIES & COMMUNITY SERVICES DIRECTOR

Sheet 12 of 42 Sheets
Drawing No. C-1.6

2301 - ST 07/09

09/16/20 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

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PROJECT INFORMATION	
ENGINEERED PRODUCT MANAGER	
ADS SALES REP	
PROJECT NO.	

Advanced Drainage Systems, Inc.

SiteAssist
FOR STORMTECH
INSTALLATION INSTRUCTIONS
VISIT OUR APP

ZANJA - 1188-0163
REDLANDS, CA, USA

MC-7200 STORMTECH CHAMBER SPECIFICATIONS

1. CHAMBERS SHALL BE STORMTECH MC-7200.
2. CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.
3. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS" CHAMBER CLASSIFICATION 60x101.
4. CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
5. THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
6. CHAMBERS SHALL BE DESIGNED, TESTED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (<1 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2) MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.
7. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 3".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 450 LBS/FT/%, THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
8. ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE AS FOLLOWS:
   - THE STRUCTURAL EVALUATION SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
   - THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD. THE MINIMUM REQUIRED BY ASTM F2787 AND BY SECTIONS 3 AND 12.12 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE.
   - THE TEST DERIVED CREEP MODULUS AS SPECIFIED IN ASTM F2418 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT IT SHALL BE THE 75-YEAR MODULUS USED FOR DESIGN.
9. CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF MC-7200 CHAMBER SYSTEM

1. STORMTECH MC-7200 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
2. STORMTECH MC-7200 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH MC-7200 CONSTRUCTION GUIDE".
3. CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
   - STONESHOOTER LOCATED OFF THE CHAMBER BED.
   - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
   - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
4. THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
5. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
6. MAINTAIN MINIMUM - 9" (230 mm) SPACING BETWEEN THE CHAMBER ROWS.
7. INLET AND OUTLET MANIFOLDS MUST BE INSERTED A MINIMUM OF 12" (300 mm) INTO CHAMBER END CAPS.
8. EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE MEETING THE AASHTO M43 DESIGNATION OF #3 OR #4.
9. STONE SHALL BE BROUGHT UP EVENLY AROUND CHAMBERS SO AS NOT TO DISTORT THE CHAMBER SHAPE. STONE DEPTHS SHOULD NEVER DIFFER BY MORE THAN 12" (300 mm) BETWEEN ADJACENT CHAMBER ROWS.
10. STONE MUST BE PLACED ON THE TOP CENTER OF THE CHAMBER TO ANCHOR THE CHAMBERS IN PLACE AND PRESERVE ROW SPACING.
11. THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIAL BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
12. ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

1. STORMTECH MC-7200 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH MC-7200 CONSTRUCTION GUIDE".
2. THE USE OF EQUIPMENT OVER MC-7200 CHAMBERS IS LIMITED:
   - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
   - NO RUBBER TIRED LOADER, DUMP TRUCK, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH MC-3500/MC-7200 CONSTRUCTION GUIDE".
   - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH MC-7200 CONSTRUCTION GUIDE".
3. FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY USING THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

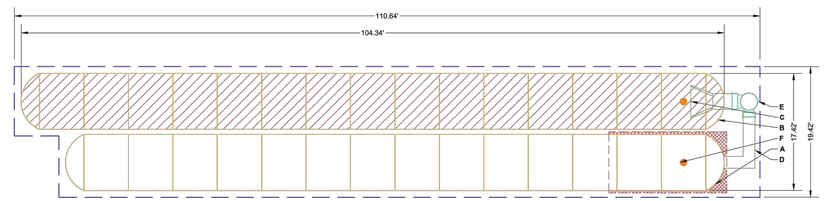
CONTACT STORMTECH AT 1-888-892-2694 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

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PROPOSED LAYOUT		PROPOSED ELEVATIONS:	
29	STORMTECH MC-7200 CHAMBERS	MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED):	76.48
4	STORMTECH MC-7200 END CAPS	MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC):	71.98
12	STONE ABOVE (in)	MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC):	71.48
9	STONE BELOW (in)	MINIMUM ALLOWABLE GRADE (TOP OF RIGID CONCRETE PAVEMENT):	71.48
40	STONE VOID	MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT):	71.48
8794	INSTALLED SYSTEM VOLUME (CF) (PERIMETER STONE INCLUDED) (COVER STONE INCLUDED) (BASE STONE INCLUDED)	TOP OF STONE:	70.48
		TOP OF MC-7200 CHAMBER:	69.48
		18" x 18" TOP MANIFOLD INVERT:	66.93
		24" ISOLATOR ROW PLUS INVERT:	64.67
2088	SYSTEM AREA (SF)	BOTTOM OF MC-7200 CHAMBER:	64.48
260.1	SYSTEM PERIMETER (ft)	BOTTOM OF STONE:	63.73

*INVERT ABOVE BASE OF CHAMBER

ITEM ON LAYOUT	PART TYPE	DESCRIPTION	INVERT*	MAX FLOW
A	PREFABRICATED END CAP	18" TOP PARTIAL CUT END CAP. PART#: MC7200IEPP18T / TYP OF ALL 18" TOP CONNECTIONS	29.36"	
B	PREFABRICATED END CAP	24" BOTTOM PARTIAL CUT END CAP. PART#: MC7200IEPP24B / TYP OF ALL 24" BOTTOM CONNECTIONS AND ISOLATOR PLUS ROWS	2.26"	
C	FLAMP	INSTALL FLAMP ON 24" ACCESS PIPE / PART#: MCFLAMP		
D	MANIFOLD	18" x 18" TOP MANIFOLD, ADS N-12	29.36"	
E	NYLOPLAST (INLET W/ ISO PLUS ROW)	30" DIAMETER (24.00" SUMP MIN)		5.5 CFS IN
F	INSPECTION PORT	6" SEE DETAIL (TYP 2 PLACES)		



ISOLATOR ROW PLUS (SEE DETAIL)

PLACE MINIMUM 17.50' OF ADSPLUS175 WOVEN GEOTEXTILE OVER BEDDING STONE AND UNDERNEATH CHAMBER FEET FOR SCOUR PROTECTION AT ALL CHAMBER INLET ROWS

BED LIMITS

NOTES
- MANIFOLD SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECH NOTE #8.32 FOR MANIFOLD SIZING GUIDANCE.
- DUE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS IN THE FIELD.
- THE CIVIL DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE CHAMBER COVER REQUIREMENTS ARE MET.
- THIS CHAMBER SYSTEM WAS DESIGNED WITHOUT SITE-SPECIFIC INFORMATION ON SOIL CONDITIONS OR BEARING CAPACITY. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR DETERMINING THE SUITABILITY OF THE SOIL AND PROVIDING THE BEARING CAPACITY OF THE INSITU SOILS. THE BASE STONE DEPTH MAY BE INCREASED OR DECREASED ONCE THIS INFORMATION IS PROVIDED.
- **NOT FOR CONSTRUCTION:** THIS LAYOUT IS FOR DIMENSIONAL PURPOSES ONLY TO PROVE CONCEPT & THE REQUIRED STORAGE VOLUME CAN BE ACHIEVED ON SITE.

ZANJA - 1188-0163 | REDLANDS, CA, USA | DRAWN: RU | CHECKED: NVA | DATE: | PROJECT #:

DATE	DRW	CHK	DESCRIPTION

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StormTech® Chamber System
888-892-2694 | WWW.STORMTECH.COM

4640 TRUEMAN BLVD
HILLIARD, OH 43026
1-800-733-7473

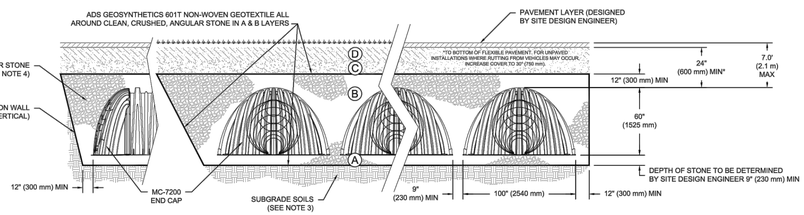
SHEET
2 OF 6

NOTE
FOR REFERENCE ONLY

ACCEPTABLE FILL MATERIALS: STORMTECH MC-7200 CHAMBER SYSTEMS

	MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	**FINAL FILL:** FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	**INITIAL FILL:** FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 24" (600 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145[1] A-1, A-2-4, A-3 OR AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 24" (600 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 12" (300 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS.
B	**EMBEDMENT STONE:** FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43[1] 3, 4	NO COMPACTION REQUIRED.
A	**FOUNDATION STONE:** FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43[1] 3, 4	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE.[2,3]

PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9" (230 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.



NOTES:
1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS" CHAMBER CLASSIFICATION 60x101
2. MC-7200 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
5. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 3".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 450 LBS/FT/%. THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

ZANJA - 1188-0163 | REDLANDS, CA, USA | DRAWN: RU | CHECKED: NVA | DATE: | PROJECT #:

DATE	DRW	CHK	DESCRIPTION

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3 OF 6

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UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

KEYMAP:

NTS

Accepted By:
Goutam K. Dobey
GOUTAM K. DOBEY
CITY ENGINEER RCE 75646
10/24/2023
Date

REGISTERED PROFESSIONAL ENGINEER
PATRICK C. FLANAGAN JR.
NO. 86046
CIVIL
STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:
CASC
Engineering and Consulting
1470 EAST COOLEY DRIVE
COLTON, CA 92324
PH. (909) 783-0101 FAX (909) 783-0108
CITY BUSINESS LICENSE NO. 1005558
PATRICK C. FLANAGAN, JR. R.C.E. NO. 86046 DATE:

Letter	Description	Date	Initial	Initial
2	PARKING LOT SURFACE REVISED TO AC, ADD UNDERGROUND BASIN & RIBBON GUTTER	10/27/23		

Revisions

CITY OF REDLANDS

ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No. 14-406

STORMTECH DETAILS

PROJECT NO.:14-406
PLOT DATE: 10/26/2023
DRAWN BY: C.F.
CHECKED BY: R.L.

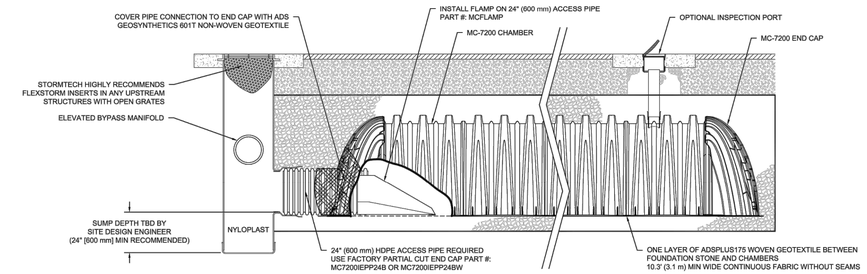
Approved By:
Tabitha Crocker 10/20/23
Tabitha Crocker Date
FACILITIES & COMMUNITY SERVICES DIRECTOR

Sheet 13 of 42 Sheets
Drawing No. C-1.7

2301 - ST 08/09

09/16/20 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

Q:\1188-0163 ZANJA TRAIL\ENGINEERING\STREET IMPROVEMENT\1188-0163 ST IMP PLAN – LOT.DWG, Last plotted by:Gobe Marquez Monday, October 30, 2023 2:16:57 PM



MC-7200 ISOLATOR ROW PLUS DETAIL
NTS

INSPECTION & MAINTENANCE

STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
- A. INSPECTION PORTS (IF PRESENT)
  - A.1. REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
  - A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
  - A.3. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
  - A.4. LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
  - A.5. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- B. ALL ISOLATOR PLUS ROWS
  - B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS
  - B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE
    - i) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
    - ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
  - B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

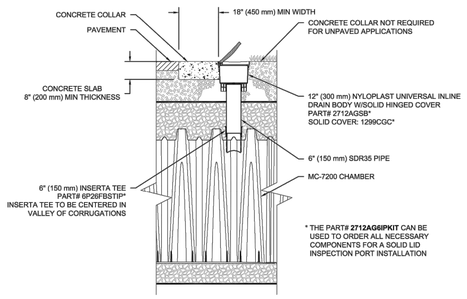
STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS
- A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45° (1.1 m) OR MORE IS PREFERRED
- B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
- C. VACUUM STRUCTURE SUMP AS REQUIRED

STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.

STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES

1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.



* THE PART# **2712AG6IPKIT** CAN BE USED TO ORDER ALL NECESSARY COMPONENTS FOR A SOLID LID INSPECTION PORT INSTALLATION

MC-7200 6" (150 mm) INSPECTION PORT DETAIL
NTS

ZANJA - 1188-0163
REDLANDS, CA, USA
DATE: DRAWN: RU
PROJECT #: CHECKED: N/A

DATE	DRW	CHK	DESCRIPTION

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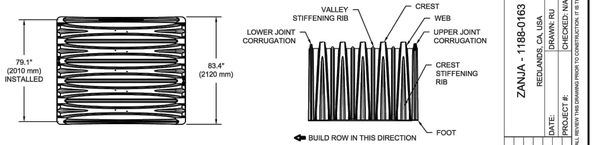
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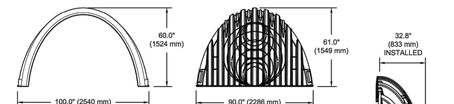
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SHEET
4 OF 6

MC-7200 TECHNICAL SPECIFICATION
NTS





NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	100.0" X 60.0" X 79.1"	(2540 mm X 1524 mm X 2010 mm)
CHAMBER STORAGE	175.9 CUBIC FEET	(4.98 m³)
MINIMUM INSTALLED STORAGE*	267.3 CUBIC FEET	(7.56 m³)
WEIGHT (NOMINAL)	205 lbs.	(92.9 kg)

NOMINAL END CAP SPECIFICATIONS

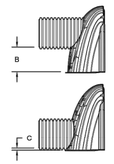
SIZE (W X H X INSTALLED LENGTH)	90.0" X 61.0" X 32.8"	(2286 mm X 1549 mm X 833 mm)
END CAP STORAGE	39.5 CUBIC FEET	(1.12 m³)
MINIMUM INSTALLED STORAGE*	115.3 CUBIC FEET	(3.26 m³)
WEIGHT (NOMINAL)	90 lbs.	(40.8 kg)

*ASSUMES 12" (305 mm) STONE ABOVE, 9" (229 mm) STONE FOUNDATION AND BETWEEN CHAMBERS, 12" (305 mm) STONE PERIMETER IN FRONT OF END CAPS AND 40% STONE POROSITY.

PARTIAL CUT HOLES AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
PARTIAL CUT HOLES AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"
END CAPS WITH A PREFABRICATED WELDED STUB END WITH "W"

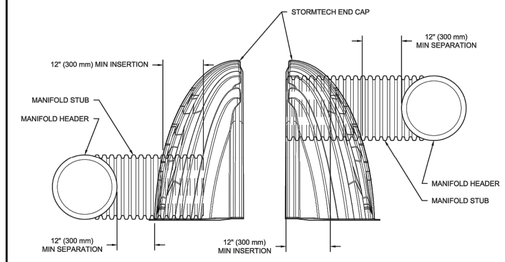
PART #	STUB	B	C
MC7200IEPP06T	6" (150 mm)	42.54" (1081 mm)	---
MC7200IEPP06B		---	0.86" (22 mm)
MC7200IEPP08T	8" (200 mm)	40.50" (1029 mm)	---
MC7200IEPP08B		---	1.01" (26 mm)
MC7200IEPP10T	10" (250 mm)	38.37" (975 mm)	---
MC7200IEPP10B		---	1.33" (34 mm)
MC7200IEPP12T	12" (300 mm)	35.69" (907 mm)	---
MC7200IEPP12B		---	1.55" (39 mm)
MC7200IEPP15T	15" (375 mm)	32.72" (831 mm)	---
MC7200IEPP15B		---	1.70" (43 mm)
MC7200IEPP18T	18" (450 mm)	29.36" (746 mm)	---
MC7200IEPP18TW			
MC7200IEPP18B		---	1.97" (50 mm)
MC7200IEPP18BW			
MC7200IEPP24T	24" (600 mm)	23.05" (585 mm)	---
MC7200IEPP24TW			
MC7200IEPP24B		---	2.26" (57 mm)
MC7200IEPP24BW			
MC7200IEPP30BW	30" (750 mm)	---	2.95" (75 mm)
MC7200IEPP36BW	36" (900 mm)	---	3.25" (83 mm)
MC7200IEPP42BW	42" (1050 mm)	---	3.55" (90 mm)

NOTE: ALL DIMENSIONS ARE NOMINAL



CUSTOM PREFABRICATED INVERTS ARE AVAILABLE UPON REQUEST. INVENTORIED MANIFOLDS INCLUDE 12-24" (300-600 mm) SIZE ON SIZE AND 15-48" (375-1200 mm) ECCENTRIC MANIFOLDS. CUSTOM INVERT LOCATIONS ON THE MC-7200 END CAP CUT IN THE FIELD ARE NOT RECOMMENDED FOR PIPE SIZES GREATER THAN 10" (250 mm). THE INVERT LOCATION IN COLUMN 'B' ARE THE HIGHEST POSSIBLE FOR THE PIPE SIZE.

MC-SERIES END CAP INSERTION DETAIL
NTS



NOTE: MANIFOLD STUB MUST BE LAID HORIZONTAL FOR A PROPER FIT IN END CAP OPENING.

ZANJA - 1188-0163
REDLANDS, CA, USA
DATE: DRAWN: RU
PROJECT #: CHECKED: N/A

DATE	DRW	CHK	DESCRIPTION
10/27/23	EBC	RL	PARKING LOT SURFACE REVISED TO AC, ADD UNDERGROUND BASIN & RIBBON GUTTER

StormTech® Chamber System
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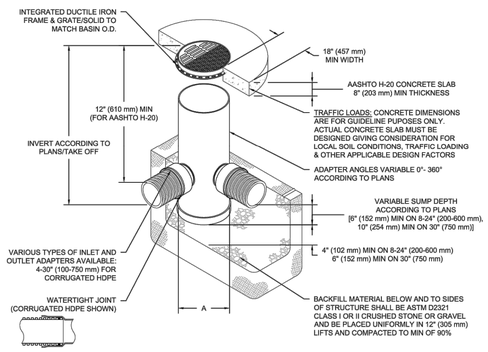
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SHEET
5 OF 6

NOTE
FOR REFERENCE ONLY

NYLOPLAST DRAIN BASIN
NTS



NOTES

1. 8-30" (200-750 mm) GRATES/SOLID COVERS SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
2. 12-30" (300-750 mm) FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
3. DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS
4. DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS & HANCOR DUAL WALL) & SDR 35 PVC
5. FOR COMPLETE DESIGN AND PRODUCT INFORMATION: **WWW.NYLOPLAST-US.COM**
6. TO ORDER CALL: **800-821-6710**

A	PART #	GRATE/SOLID COVER OPTIONS		
6" (200 mm)	2808AG	PEDESTRIAN LIGHT DUTY	STANDARD LIGHT DUTY	SOLID LIGHT DUTY
10" (250 mm)	2810AG	PEDESTRIAN LIGHT DUTY	STANDARD LIGHT DUTY	SOLID LIGHT DUTY
12" (300 mm)	2812AG	PEDESTRIAN AASHTO H-10	STANDARD AASHTO H-20	SOLID AASHTO H-20
15" (375 mm)	2815AG	PEDESTRIAN AASHTO H-10	STANDARD AASHTO H-20	SOLID AASHTO H-20
18" (450 mm)	2818AG	PEDESTRIAN AASHTO H-10	STANDARD AASHTO H-20	SOLID AASHTO H-20
24" (600 mm)	2824AG	PEDESTRIAN AASHTO H-10	STANDARD AASHTO H-20	SOLID AASHTO H-20
30" (750 mm)	2830AG	PEDESTRIAN AASHTO H-20	STANDARD AASHTO H-20	SOLID AASHTO H-20

ZANJA - 1188-0163
REDLANDS, CA, USA
DATE: DRAWN: RU
PROJECT #: CHECKED: N/A

DATE	DRW	CHK	DESCRIPTION

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770-932-2443 | WWW.NYLOPLAST-US.COM

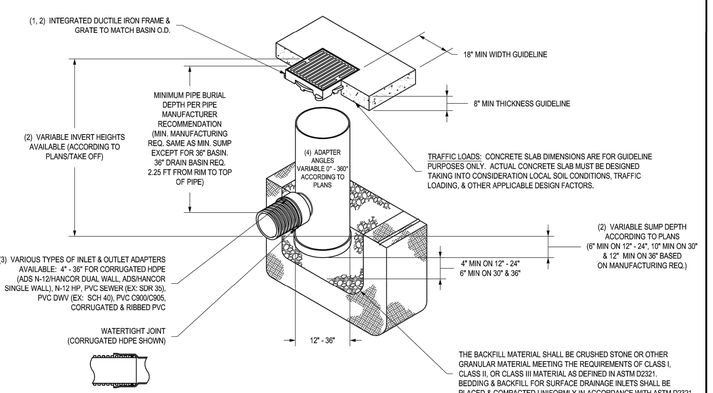
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SHEET
6 OF 6

NYLOPLAST 2 FT X 2FT ROAD & HIGHWAY STRUCTURE: 32 _ _ AGS _ _ X



1 - 12" - 30" FRAMES & GRATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
2 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS.
3 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER (4" - 36").
4 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.
5 - ROAD & HIGHWAY GRATE SHALL MEET H-20 LOAD RATING.

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DRAWN BY	EBC	MATERIAL	
DATE	1-23-06		
REVISED BY	NMH	PROJECT NO./NAME	
DATE	7-22-19		
DWG SIZE	A	SCALE 1:40	SHEET 1 OF 1

ADS Nyloplast
3130 VERONA AVE
BUFORD, GA 30518
PHN (770) 932-2443
FAX (770) 932-2496
www.nyloplast-us.com

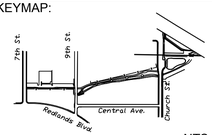
TITLE
DRAIN BASIN WITH 2 FT X 2 FT ROAD & HIGHWAY GRATE QUICK SPEC INSTALLATION DETAIL

DWG NO. 7001-110-162 REV H

37 30" DRAIN BASIN WITH 2'X2' GRATE
NTS

DIGALERT
DIAL TOLL FREE
1 - 800 - 227 - 2600
AT LEAST TWO DAYS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

KEYMAP:



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Accepted By:
Goutam K. Dobey
GOUTAM K. DOBEY
CITY ENGINEER RCE 75646
10/24/2023
Date

REGISTERED PROFESSIONAL ENGINEER PATRICK C. FLANAGAN, JR. NO. 86046 CIVIL STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:

CASC
Engineering and Consulting
1470 EAST COOLEY DRIVE
COLTON, CA 92324
PH. (909) 783-0101 FAX (909) 783-0108
CITY BUSINESS LICENSE NO. 1005558

PATRICK C. FLANAGAN, JR. R.C.E. NO. 86046 DATE:

Letter	Description	Date	Initial	Initial
2	PARKING LOT SURFACE REVISED TO AC, ADD UNDERGROUND BASIN & RIBBON GUTTER	10/27/23		

Revisions

CITY OF REDLANDS

ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No. 14-406

STORMTECH DETAILS

PROJECT NO.:14-406
PLOT DATE: 10/26/2023
DRAWN BY: C.F.
CHECKED BY: R.L.

Approved By:
Tabitha Crocker
Tabitha Crocker
FACILITIES & COMMUNITY SERVICES DIRECTOR
10/20/23
Date

Sheet 14 of 42 Sheets
Drawing No. C-1.8

2301 - ST 09/09

09/16/20 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

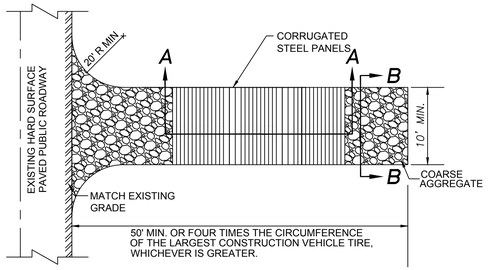
G:\1188-0163 ZANJA TRAIL\ENGINEERING\STREET IMPROVEMENT\1188-0163 ST IMP PLAN – LOT.DWG, Last plotted by:Gabe Marquez Monday, October 30, 2023 2:17:00 PM

EROSION CONTROL PLAN
ZANJA TRAIL AND GREENWAY PARK, PHASE 2
CITY OF REDLANDS, CA

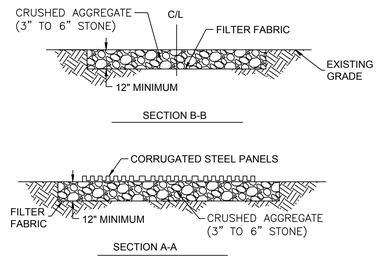
EROSION CONTROL NOTES

1. A STANDBY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. NECESSARY MATERIALS SHALL BE AVAILABLE ON-SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES OR TO REPAIR ANY DAMAGED EROSION CONTROL MEASURES, ESPECIALLY WHEN RAIN EVENT IS IMMINENT.
2. DEVICE SHALL NOT BE MOVED OR MODIFIED WITHOUT THE APPROVAL OF THE CITY INSPECTOR.
3. ALL PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH DAY AS WELL AS THROUGH WEEKENDS AND HOLIDAYS.
4. AFTER A RAIN STORM, ALL SILT AND DEBRIS SHALL BE REMOVED FROM CHECK BERMS, DESILTING BASINS AND OTHER EROSION CONTROL DEVICES.
5. ANY GRADED SLOPE SURFACE PROTECTION MEASURE DAMAGED DURING A RAIN STORM SHALL BE REPAIRED IMMEDIATELY.
6. FILL SLOPES AT CONSTRUCTION SITE PERIMETER MUST DRAIN AWAY FROM THE TOP OF THE SLOPES AT THE END OF EACH WORK DAY.
7. A COPY OF THE PROJECT'S STORMWATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE MAINTAINED AT THE CONSTRUCTION SITE AND BE ALWAYS AVAILABLE FOR REVIEW.
8. PROTECT ALL STORM DRAINAGE STRUCTURES FROM SEDIMENT CLOGGING BY PROVIDING INLET PROTECTION AT ALL OPENINGS.
9. AVOID CONDUCTING CONSTRUCTION WORK DURING WET WEATHER.
10. STORE CONSTRUCTION RELATED MATERIALS AWAY FROM DRAINAGE COURSES TO PREVENT CONTACT WITH STORMWATER.
11. PLACE DRIP PANS OR ABSORBENT MATERIALS UNDER CONSTRUCTION EQUIPMENT WHEN NOT IN USE.
12. CLEAN UP LEAKS AND SPILLS IMMEDIATELY USING ABSORBENT MATERIALS AND DISPOSE OF PROPERLY.
13. COLLECT AND REMOVE ALL BROKEN ASPHALT FROM THE SITE. REMOVED ASPHALT MUST BE DISPOSED OF PROPERLY.
14. KEEP WORK SITE CLEAN AND ORDERLY ON DAILY BASIS.
15. PROPERLY STORE PAINTS AND SOLVENTS.
16. PERMANENTLY MARK STORM DRAIN STRUCTURES IN A MANNER APPROVED BY THE CITY CONSTRUCTION INSPECTOR TO MINIMIZE INADVERTENT DISPOSAL OF RESIDUAL PAINTS, SOLVENTS AND ANY OTHER POLLUTANTS.
17. ALLOW CONSTRUCTION RELATED MATERIAL DELIVERY AND STORAGE ONLY IN DESIGNATED AREAS AND AVOID TRANSPORT NEAR DRAINAGE PATHS OR WATERWAYS.
18. MINIMIZE THE USE OF HAZARDOUS MATERIAL ON SITE.
19. USE WATERTIGHT DUMPSTERS FOR TRASH AND CONSTRUCTION WASTE.
20. COLLECT SITE TRASH AS NEEDED, ESPECIALLY DURING RAINY OR WINDY CONDITIONS. ARRANGE FOR REGULAR WASTE COLLECTION BEFORE CONTAINERS OVERFLOW.
21. PAINT BRUSHES OR CONTAINERS ARE TO BE CLEANED OUT ONLY AT THE DESIGNATED AREA, WHICH PROVIDES FOR THE FULL CONTAINMENT OF PAINT LADEN LIQUID AND RESIDUE FOR PROPER DISPOSAL.
22. PERFORM WASHOUT OF CONCRETE TRUCKS IN DESIGNATED AREAS ONLY. WASHOUT AREAS SHALL BE LOCATED AWAY FROM STORM DRAINS, OPEN DITCHES, STREETS OR ANY DRAINAGE COURSE.
23. TEMPORARY SANITARY FACILITIES SHALL BE MAINTAINED IN GOOD WORKING ORDER BY A LICENSED MAINTENANCE SERVICE PROVIDER.
24. CONTRACTOR SHALL BE RESPONSIBLE FOR UPDATING THIS PLAN THROUGHOUT CONSTRUCTION AND INDICATE ANY AND ALL REVISIONS/UPDATES ON THIS PLAN.
25. CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN SUCH A MANNER THAT STORMWATER WILL BE CONTAINED WITHIN THE PROJECT AREA OR CHANNELED INTO STORM DRAIN SYSTEM PROVIDED THAT DRAINAGE IS FREE OF POLLUTANTS, SEDIMENTS AND DEBRIS.
26. CITY APPROVAL OF PLANS DOES NOT RELIEVE THE DEVELOPER FROM CORRECTING ERRORS OR OMISSIONS DISCOVERED DURING CONSTRUCTION. CONFORMANCE WITH THE REQUIREMENTS OF THIS PLAN SHALL IN NO WAY RELIEVE THE DEVELOPER FROM HIS/HER RESPONSIBILITIES TO THIS SITE AND ADJACENT PROPERTIES.
27. TEMPORARY EROSION CONTROL SHALL CONSIST OF, BUT NOT LIMITED TO, CONSTRUCTING SUCH FACILITIES AND TAKING SUCH MEASURES AS ARE NECESSARY TO PREVENT, CONTROL AND ABATE WATER, MUD AND EROSION DAMAGE TO PUBLIC AND PRIVATE PROPERTY AS A RESULT OF THE CONSTRUCTION ON THIS PROPERTY.
28. CLEARING AND GRUBBING SHOULD BE LIMITED TO AREAS THAT WILL RECEIVE IMMEDIATE GRADING. EROSION CONTROL MEASURES SHALL BE IMPLEMENTED TO PROTECT AREAS WHICH HAVE BEEN CLEARED AND GRUBBED. THESE MEASURES MAY INCLUDE BUT SHALL NOT BE LIMITED TO: GRADED DITCHES, SAND OR GRAVEL BAGS, BARRIERS AND SILT FENCING. CARE SHALL BE EXERCISED TO PRESERVE VEGETATION BEYOND LIMITS OF GRADING AND PREVENT SEDIMENT DISCHARGE WHILE CONTRUCTION IS IN PROGRESS IN THE AREA.
29. SEDIMENT CONTROL SHALL BE USED AT THE TOE OF ANY ERODIBLE SLOPE.
30. CONTRACTOR SHALL IMMEDIATELY RESTORE ANY DAMAGED EROSION CONTROL MEASURE IN THE AREA DISTURBED BY CONSTRUCTION ACTIVITIES.
31. FACES OF FINISHED CUT AND FILL SLOPES SHALL BE PREPARED AND MAINTAINED TO CONTROL AGAINST EROSION. THESE PERMANENT CONTROL MEASURES MAY CONSIST OF ADEQUATE SEEDING, PLANTING AND JUTE MATTING. THE PROTECTION FOR THE SLOPES SHALL BE INSTALLED AS SOON AS PRACTICABLE AND PRIOR TO CALLING FOR FINAL APPROVAL.
32. THE PERMITTEE AND CONTRACTOR SHALL BE RESPONSIBLE AND TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATER CREATES A HAZARDOUS CONDITION.
33. CONTRACTOR/SUB-CONTRACTOR SHALL BE FAMILIAR WITH AND TRAINED IN SEDIMENT AND EROSION CONTROL IN ACCORDANCE WITH THE CALIFORNIA STORMWATER QUALITY ASSOCIATION (CASQA) STORMWATER BEST MANAGEMENT PRACTICE HANDBOOK.

NOTE:
STREET SWEEPING (SE-7) SHALL BE DONE ON ALL ADJACENT OFF-SITE AREAS AS NECESSARY TO MINIMIZE TRACKING.



PLAN VIEW



SECTION B-B

SECTION A-A

STABILIZED CONSTRUCTION ENTRANCE
(MODIFIED)
NOT TO SCALE

CONSTRUCTION REFERENCE NOTES

		QUANTITIES
1	IMPLEMENT STREET SWEEPING PER CASQA BMP SE-7.	1 LS
2	INSTALL FIBER ROLL LINEAR BARRIER PER CASQA BMP SE-5.	3,225 LF
3	INSTALL GRAVEL BAG CHECKDAM PER CASQA BMP SE-4.	14 EA
4	INSTALL SOIL BINDERS PER CASQA BMP EC-5. TYPE OF BINDERS MUST BE APPROVED BY CITY PRIOR TO USE.	82,713 SF
5	INSTALL GRAVEL BAG LINEAR BARRIER PER CASQA BMP SE-6.	325 LF
6	INSTALL MODIFIED STABILIZED CONSTRUCTION ENTRANCE/EXIT (WITH RUMBLE PLATES) PER CASQA BMP TC-1 AND DETAIL HEREON.	4 EA
7	INSTALL VELOCITY DISSAPATION DEVICES PER CASQA BMP EC-10.	3 EA
8	CONSTRUCT 3-BAG HIGH GRAVEL BAG BARRIER FOR INLET PROTECTION	2 EA
9	PROVIDE EQUIPMENT MAINTENANCE AREA AND MATERIAL STORAGE AREA	1 EA

NOTE:
GRAVEL BAGS CAN BE USED IN PLACE OF FIBER ROLL.

LEGEND

SYMBOL	DESCRIPTION
MS	MATERIAL STORAGE (WM-1, WM-2
CW	CONCRETE WASHOUT (WM-8)
HWM	HAZARDOUS WASTE MANAGEMENT (WM-6)
SWM	SANITARY WASTE MANAGEMENT (WM-9)
SP	STOCKPILE MANAGEMENT (WM-3)
SW	SOLID WASTE MANAGEMENT (WM-5)

LEGEND

SYMBOL	DESCRIPTION
	RIGHT OF WAY
	PROJECT BOUNDARY
FR	FIBER ROLL LINEAR BARRIER (SE-5)
	GRAVEL BAG CHECK DAM (SE-4)
	GRAVEL BAG BERM (SE-6)
	FLOW DIRECTION
	DISCHARGE POINTS
SF	SILT FENCE LINEAR BARRIER (SE-1)
	STABILIZED CONSTRUCTION ENTRANCE/EXIT (TC-1)

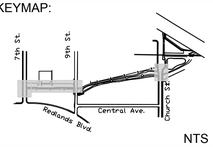
BASIS OF BEARINGS:

CALIFORNIA STATE PLANE COORDINATE SYSTEM, ZONE 5 TAKEN BETWEEN NATIONAL GEODETIC SURVEY CONTROL POINT DESIGNATION "ESRI GISA CORS ARP" PID "DN5820" AND "EWPP_SCGN_CS1999 CORS ARP" PID "DH7046".

BEING N82°35'11"W NAD 83 EPOCH 2010

DIGALERT
DIAL TOLL FREE
1 - 800 - 227 - 2600
AT LEAST TWO DAYS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

KEYMAP:



NTS

Accepted By:
Goutam K. Dobey — 10/24/2023
GOUTAM K. DOBEY — Date
CITY ENGINEER RCE 75646

REGISTERED PROFESSIONAL ENGINEER — PATRICK C. FLANAGAN JR. — NO. 86046 — CIVIL — STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:
CASC Engineering and Consulting
1470 EAST COOLEY DRIVE
COLTON, CA 92324
PH. (909) 783-0101 FAX (909) 783-0108
CITY BUSINESS LICENSE NO. 1005558
PATRICK C. FLANAGAN, JR. R.C.E. NO. 86046 DATE:

Letter	Description	Date	Initial	Initial
1	GLOBAL REVISIONS AND 9TH STREET IMPROVEMENTS	3/21/23		TC

Revisions

CITY OF REDLANDS

ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No. 14-406

EROSION CONTROL PLAN

PROJECT NO.:14-406
PLOT DATE: 10/26/2023
DRAWN BY: C.F.
CHECKED BY: R.L.

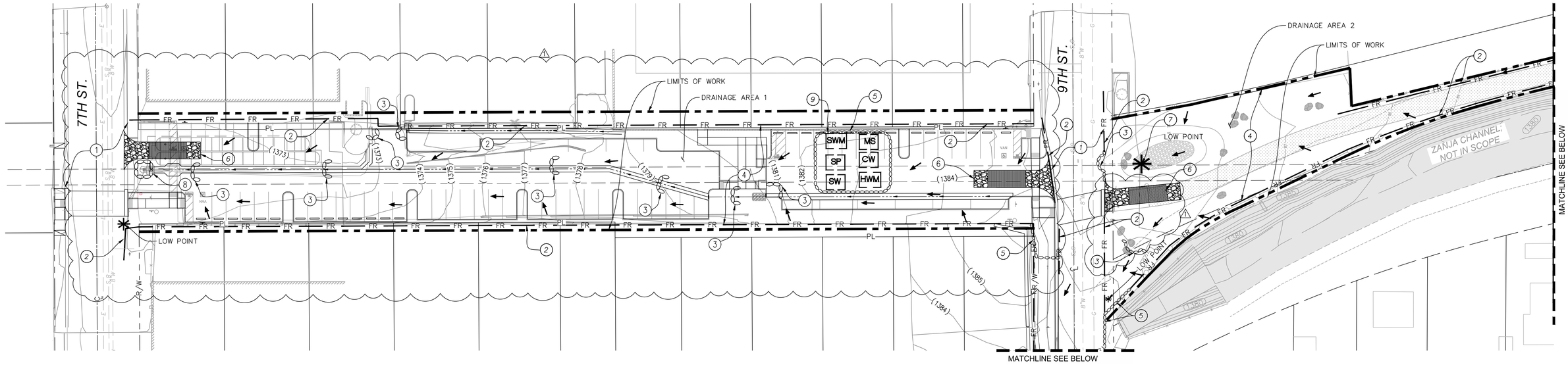
Approved By:
Tabitha Crocker — 10/20/23
Tabitha Crocker — Date
FACILITIES & COMMUNITY SERVICES DIRECTOR

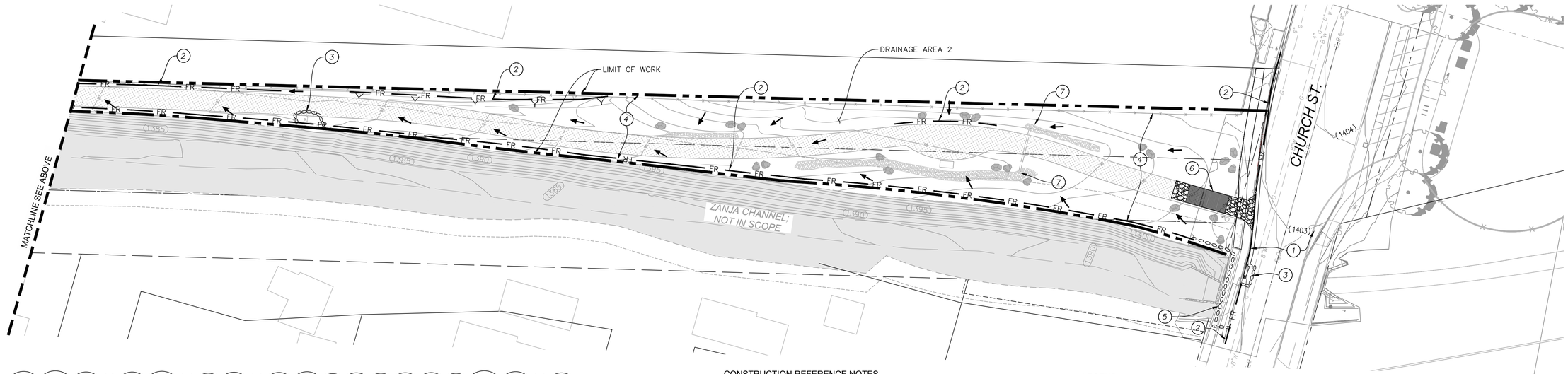
Sheet 15 of 42 Sheets
Drawing No. C-2.0

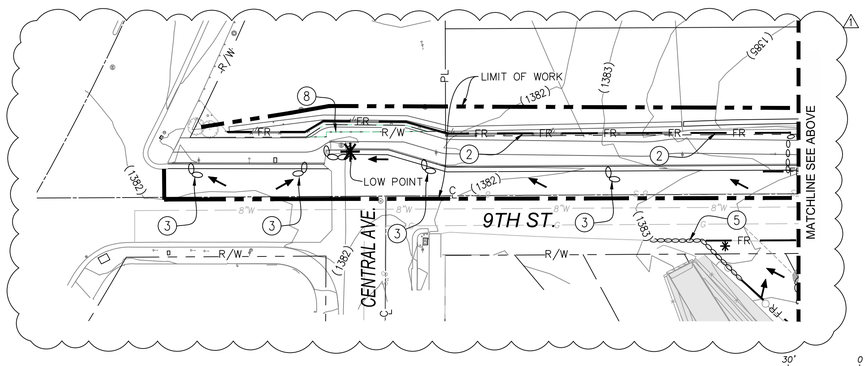
2301 - SP 01/02

09/16/20 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

Q:\1188-0163 ZANJA TRAIL\ENGINEERING\EROSION CONTROL\1188-0163 EC PLAN.DWG, Last plotted by:Gabe Marquez Monday, October 30, 2023 3:03:57 PM







CONSTRUCTION REFERENCE NOTES

1. IMPLEMENT STREET SWEEPING PER CASQA BMP SE-7.
2. INSTALL FIBER ROLL LINEAR BARRIER PER CASQA BMP SE-5.
3. INSTALL GRAVEL BAG CHECKDAM PER CASQA BMP SE-4.
4. INSTALL SOIL BINDERS PER CASQA BMP EC-5. TYPE OF BINDER MUST BE APPORVED BY CITY PRIOR TO USE.
5. INSTALL GRAVEL BAG LINEAR BARRIER PER CASQA BMP SE-6.
6. INSTALL MODIFIED STABILIZED CONSTRUCTION ENTRANCE/EXIT (WITH RUMBLE PLATES) PER CASQA BMP TC-1 AND DETAIL HEREON.
7. INSTALL VELOCITY DISSAPATION DEVICES PER CASQA BMP EC-10.
8. CONSTRUCT 3-BAG HIGH GRAVEL BAG BARRIER FOR INLET PROTECTION
9. PROVIDE EQUIPMENT MAINTENANCE AREA AND MATERIAL STORAGE AREA

NOTE:
GRAVEL BAGS CAN BE USED IN PLACE OF FIBER ROLL.

LEGEND

SYMBOL	DESCRIPTION
	RIGHT OF WAY
	PROJECT BOUNDARY
FR	FIBER ROLL LINEAR BARRIER (SE-5)
	GRAVEL BAG CHECK DAM (SE-4)
	GRAVEL BAG BERM (SE-6)
	FLOW DIRECTION
	DISCHARGE POINTS
SF	SILT FENCE LINEAR BARRIER (SE-1)
	STABILIZED CONSTRUCTION ENTRANCE/EXIT (TC-1)

LEGEND

SYMBOL	DESCRIPTION
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SP	STOCKPILE MANAGEMENT (WM-3)
SW	SOLID WASTE MANAGEMENT (WM-5)

GRAPHIC SCALE
30' 0 15' 30' 60' 90'
SCALE: 1" = 30'

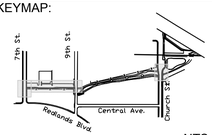
CITY OF REDLANDS

ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No. 14-406

EROSION CONTROL PLAN

DIGALERT
DIAL TOLL FREE
1 - 800 - 227 - 2600
AT LEAST TWO DAYS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

KEYMAP:



NTS

Accepted By:
Goutam K. Dobey
GOUTAM K. DOBEY
CITY ENGINEER RCE 75646
10/24/2023
Date

REGISTERED PROFESSIONAL ENGINEER
PATRICK C. FLANAGAN, JR.
NO. 86046
CIVIL
STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:
CASC
Engineering and Consulting
1470 EAST COOLEY DRIVE
COLTON, CA 92324
PH. (909) 783-0101 FAX (909) 783-0108
CITY BUSINESS LICENSE NO. 1005558

PATRICK C. FLANAGAN, JR. R.C.E. NO. 86046 DATE:

Letter	Description	Date	Initial	Initial
1	GLOBAL REVISIONS AND 9TH STREET IMPROVEMENTS	3/21/23		TC

Revisions

PROJECT NO.:14-406
PLOT DATE: 10/26/2023
DRAWN BY: C.F.
CHECKED BY: R.L.

Approved By:
Tabitha Crocker
Tabitha Crocker
FACILITIES & COMMUNITY SERVICES DIRECTOR
10/20/23
Date

Sheet 16 of 42 Sheets
Drawing No. C-2.1

2301 - SP - 02/02

09/16/20 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

Q:\1188-0163 ZANJA TRAIL\ENGINEERING\EROSION CONTROL\1188-0163 EC PLAN.DWG, Last plotted by:Gabe Marquez Monday, October 30, 2023 3:04:10 PM

GRADING NOTES:

BASIS OF BEARING
THE BEARINGS SHOWN HEREON ARE BASED UPON THE CALIFORNIA STATE PLANE COORDINATE SYSTEM, ZONE 5 TAKEN BETWEEN NATIONAL GEODETIC SURVEY CONTROL POINT DESIGNATION "ESRI GISA CORS ARP" PID "DN5820" AND "EWPP_SCGN_CS1999 CORS ARP" PID "DH7046". BEING N82°35'11"W NAD 83 EPOCH 2010

REFERENCED CSRC STATIONS CONNECTED

STATION	NORTHING (Y)	EASTING (X)	HEIGHT
MLFP	1,793,388.354	6,768,598.278	1554.09
P584	1,784,955.899	6,879,831.556	2426.05
RTHS	1,855,454.409	6,757,465.842	1080.66

MAPPING ANGLE AND GRID FACTOR

LATITUDE	LONGITUDE	MAPPING ANGLE	COMBINED FACTOR	ELEVATION
N34°03'27.8965"	W117°08'31.1035"	00°29'20.71"	0.9999237169	1597.97

NOTES:

A. ALL DISTANCES SHOWN, UNLESS OTHERWISE NOTED, ARE IN TERMS OF THE U.S. SURVEY FOOT. AS USED IN TABLES ABOVE, ELEVATION REFERS TO THE CALIFORNIA ORTHOMETRIC HEIGHT ("COH88") OR EQUIVALENT OF THE POINT WHERE THE MAPPING ANGLE AND COMBINATION FACTOR WERE CALCULATED IN TERMS OF THE NORTH AMERICAN VERTICAL DATUM OF 1988 ("NAVD88") AND HEIGHT REFERS TO THE VERTICAL VALUE OF THE CALIFORNIA GEODETIC COORDINATE OR EQUIVALENT ELLIPSOID HEIGHT USED TO CALCULATE THE COMBINATION FACTOR. IN THE EVENT THAT THE CALCULATIONS ARE NOT PERFORMED AT A "REAL" POINT IN THE SURVEY, THERE MAY BE NO STATION OR ELEVATION TO LIST.

B. DISTANCES SHOWN HEREON, ARE GROUND DISTANCES. TO APPROXIMATE CCS83 GRID DISTANCES MULTIPLY THE DISTANCES BY THE COMBINATION FACTOR PROVIDED HEREON.

BENCHMARK
CITY OF REDLANDS BENCH MARK R-49
2" BRASS DISK ON TOP OF CURB @ NE COR. ORANGE ST & COLTON AVE. EAST OF END OF RETURN.
ELEVATION = 1370.856'

CONTRACTOR SHALL REVIEW STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND EROSION CONTROL PLAN PRIOR TO BIDDING AND CONSTRUCTION. ALL GRADING AND SITE WORK SHALL BE PERFORMED WITH EROSION AND SEDIMENT CONTROL MEASURES IN PLACE AS DESCRIBED IN SWPPP.

THE CONTRACTOR SHALL PROVIDE ALL CONSTRUCTION STAKING AND RE-STAKING REQUIRED TO COMPLETE THIS PROJECT.

THE CONTRACTOR SHALL HAVE ENGINEER OF WORK OR LANDSCAPE ARCHITECT VERIFY ALL CONSTRUCTION STAKING LOCATIONS PRIOR TO INSTALLATION OF CONCRETE PAVING, STAIRS, AND DG PATHWAY.

GRADING LEGEND:

SYMBOL	GRADING DESCRIPTION	DETAIL
G-01	4"X14" RECTANGULAR UNDERDRAIN WITH CURB-O-LET INLET AT EACH SIDE. MODEL #TCD-414 AND #CP-SP414H HUB PIPE BY CURBO-O-LET. INSTALL PER MANUFACTURER`S RECOMMENDATION. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.	
G-02	12"X12" CATCH BASIN WITH GALVANIZED FRAME AND GALVANIZED PARKWAY GRATE. MODEL # 1212 T24 BY BROOKS PRODUCTS. JOIN TO 8" SCH 80 PVC DRAIN. INSTALL PER MANUFACTURER`S RECOMMENDATION. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.	
G-03	COBBLE LINED SWALE, SEE LANDSCAPE CONSTRUCTION PLANS FOR ADDITIONAL INFORMATION.	1/LC-2.2

- – – – – EXISTING CONTOUR
——— PROPOSED MINOR CONTOUR
——— PROPOSED MAJOR CONTOUR
— · · — PROPOSED FLOW LINE

BC - BOTTOM OF CURB
BS - BOTTOM OF STEP
BW - BOTTOM OF WALL
FL - FLOW LINE
FG - FINISH GRADE
FS - FINISH SURFACE
HP - HIGH POINT
IE - INVERT ELEVATION
LP - LOW POINT
RIM - TOP OF GRATE
TC - TOP OF CURB
TS - TOP OF STEP
TW - TOP OF WALL
( ) - PARENTHESES INDICATE EXISTING GRADE
0.0% DIRECTION OF FLOW (DOWN SLOPE)

Accepted By:
GOUTAM K. DOBEY
CITY ENGINEER RCE 75646
12/19/2023
Date

INSPECTION NOTE

THE CITY OF REDLANDS ENGINEERING STAFF SHALL BE NOTIFIED 5-10 DAYS PRIOR TO THE START OF CONSTRUCTION. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.

LICENSED LANDSCAPE ARCHITECT GLORIA A. SCHMIDT No. 2138 SIGNATURE 10-31-23 RENEWAL DATE 5/25/2023 DATE STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:

SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
619.236.1462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

Letter	Description	Date	Initial	Initial

Revisions

CITY OF REDLANDS

ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No.

LANDSCAPE GRADING LEGEND AND NOTES

PROJECT NO.:14-406
PLOT DATE: 5/25/2023
DRAWN BY: PR, LD, CT
CHECKED BY: CT,JJ

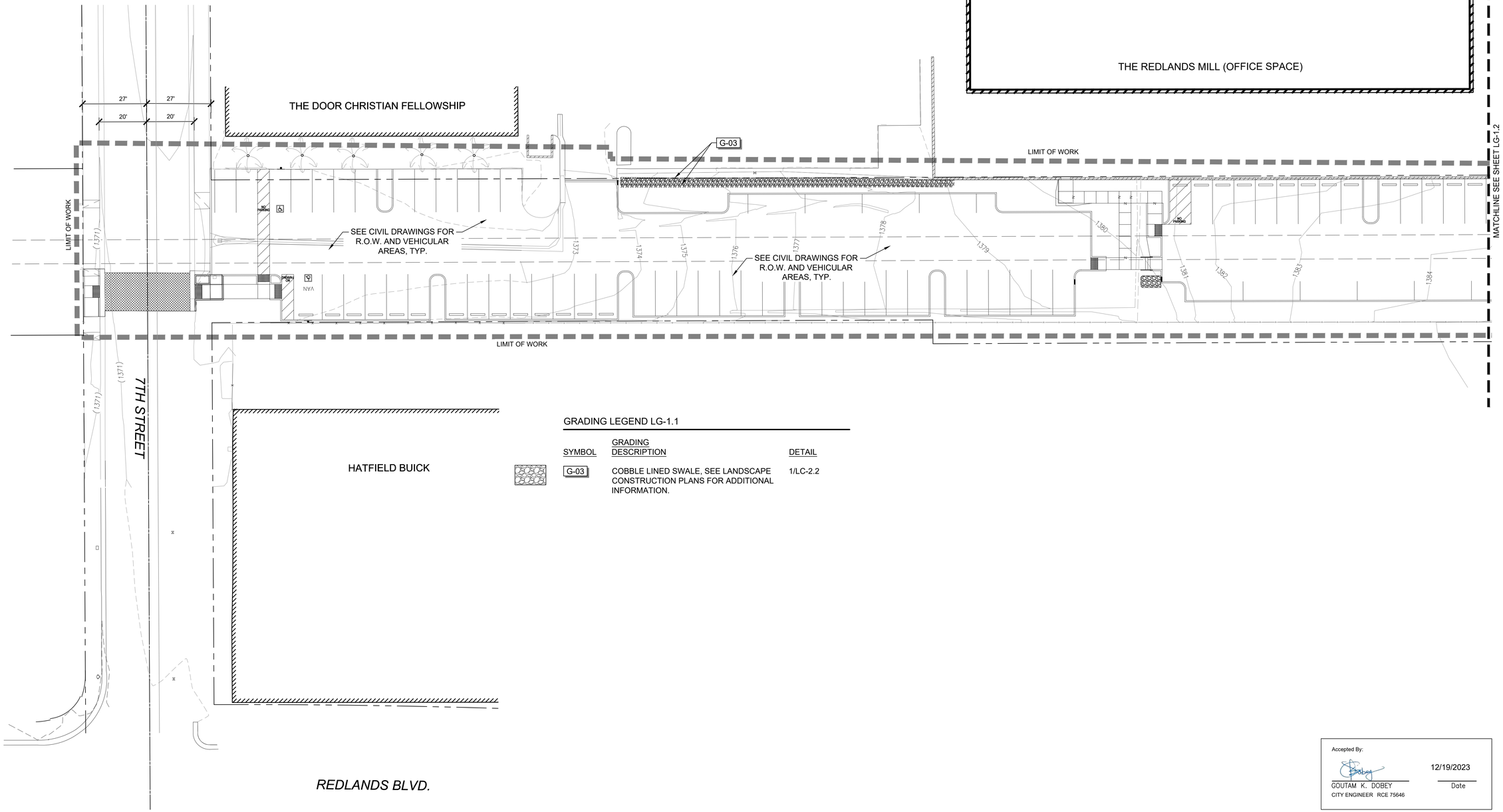
Approved By:
Tabitha Crocker
FACILITIES AND COMMUNITY SERVICES DIRECTOR
Date

Sheet 17 of 42 Sheets
Drawing No. LG-1.0

2301-LS 06/28

03/30/23 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

D:\Archive-Projects\400 projects\14-406 Mill Creek Zanja Trail Greenway\06-CD's\Zanja Phase 2\14-406 S-GRD PH2.dwg 07/26/2023 08:26



GRADING LEGEND LG-1.1

SYMBOL	GRADING DESCRIPTION	DETAIL
G-03	COBBLE LINED SWALE, SEE LANDSCAPE CONSTRUCTION PLANS FOR ADDITIONAL INFORMATION.	1/LC-2.2

Accepted By:

GOUTAM K. DOBEY
CITY ENGINEER RCE 75646

12/19/2023
Date

INSPECTION NOTE

THE CITY OF REDLANDS ENGINEERING STAFF SHALL BE NOTIFIED 5-10 DAYS PRIOR TO THE START OF CONSTRUCTION. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.

BOUNDARIES LEGEND

SYMBOL	DESCRIPTION
	LIMIT OF WORK
	SBCFCD RIGHT OF WAY
	PROPERTY LINE

0 10 20 40
SCALE : 1" = 20'-0"
FOR SHEET SIZE 24" X 36"

NORTH

CITY OF REDLANDS

ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No.

LANDSCAPE GRADING PLAN

07/28

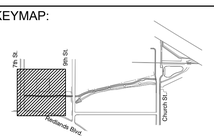
2301-LS

BENCHMARK

CITY OF REDLANDS BENCH MARK R-49
BRASS DISK IN TOP OF CURB @ NE COR. ORANGE STREET & COLTON AVE. EAST OF END OF RETURN.

ELEVATION = 1370.856'

KEYMAP:



NTS

LICENSED LANDSCAPE ARCHITECT
GLENN A. SCHMIDT No. 2738
SIGNATURE
10-31-23
RENEWAL DATE
5/25/2023
DATE
STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:

SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
619.236.1462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

Letter	Description	Date	Initial	Initial

Revisions

PROJECT NO.:14-406
PLOT DATE: 5/25/2023
DRAWN BY: PR, LD, CT
CHECKED BY: CT,JJ

Approved By:

Tabitha Crocker
FACILITIES AND COMMUNITY SERVICES DIRECTOR

Date

Sheet 18 of 42 Sheets

Drawing No. LG-1.1

03/30/23 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

G:\Archive-Projects\400 projects\14-406 Mill Creek Zanja Trail Greenway\06-CD's\Zanja Phase 2\14-406 S-GRD PH2.dwg 07/26/2023 08:26

SUNKIST FOOTHILL GROVES
(PACKING PLANT)

MATCHLINE SEE SHEET LG-1.1

MATCHLINE SEE SHEET LG-1.3

LIMIT OF WORK

ZANJA CHANNEL;
NOT IN SCOPE

9TH ST

LIMIT OF WORK

LIMIT OF WORK

LIMIT OF WORK

G-03

G-02

HP 1,386.75

HP 1,386.75

TOP OF GRATE:
1386.22

HP 1,386.75

VAN

STOP

25'

25'

20'

20'

25'

25'

10'

20'

1385

1380

86

87

88

89

90

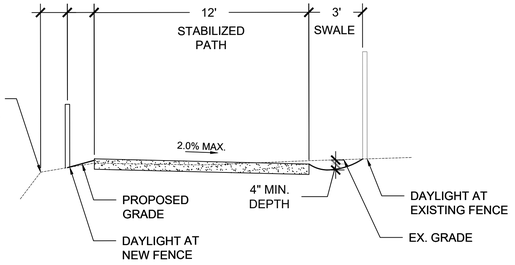
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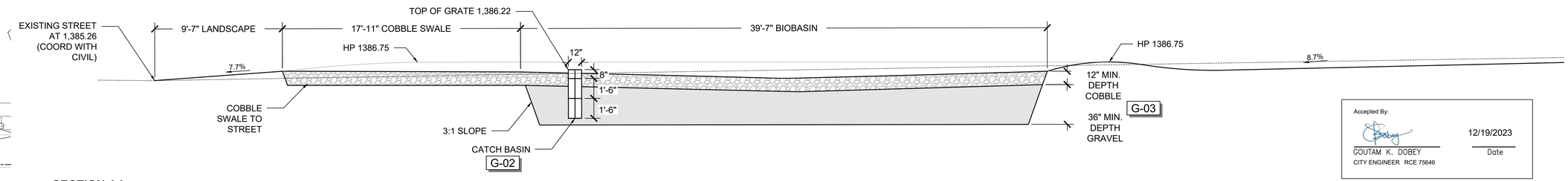
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GRADING LEGEND LG-1.2

SYMBOL	GRADING DESCRIPTION	DETAIL
G-02	12"X12" CATCH BASIN WITH GALVANIZED FRAME AND GALVANIZED PARKWAY GRATE. MODEL # 1212 T24 BY BROOKS PRODUCTS. JOIN TO 8" SCH 80 PVC DRAIN. INSTALL PER MANUFACTURER`S RECOMMENDATION. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.	
G-03	COBBLE LINED SWALE, SEE LANDSCAPE CONSTRUCTION PLANS FOR ADDITIONAL INFORMATION.	1/LC-2.2



SECTION BB
SCALE 1/4" = 1'-0"



SECTION AA
SCALE 1/4" = 1'-0"

Accepted By:

GOUTAM K. DOBEY
CITY ENGINEER RCE 75646

12/19/2023
Date

INSPECTION NOTE

THE CITY OF REDLANDS ENGINEERING STAFF SHALL BE NOTIFIED 5-10 DAYS PRIOR TO THE START OF CONSTRUCTION. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.

BOUNDARIES LEGEND

SYMBOL	DESCRIPTION
	LIMIT OF WORK
	SBCFCD RIGHT OF WAY
	PROPERTY LINE

0 10 20 40
SCALE : 1" = 20'-0"
FOR SHEET SIZE 24" X 36"

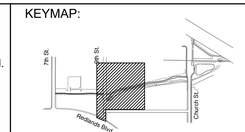
NORTH

BENCHMARK

CITY OF REDLANDS BENCH MARK R-49
BRASS DISK IN TOP OF CURB @ NE COR. ORANGE STREET & COLTON AVE. EAST OF END OF RETURN.

ELEVATION = 1370.856'

KEYMAP:



NTS

LICENSED LANDSCAPE ARCHITECT
GLENN SCHMIDT No. 2138
SIGNATURE
10-31-23
RENEWAL DATE
5/25/2023
DATE
STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:

SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
619.236.1462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

Letter	Description	Date	Initial	Initial

Revisions

CITY OF REDLANDS

ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No.

LANDSCAPE GRADING PLAN

08/28

2301-LS

PROJECT NO.:14-406
PLOT DATE: 5/25/2023
DRAWN BY:
PR, LD, CT
CHECKED BY:
CT,JJ

Approved By:

Tabitha Crocker
FACILITIES AND COMMUNITY SERVICES DIRECTOR

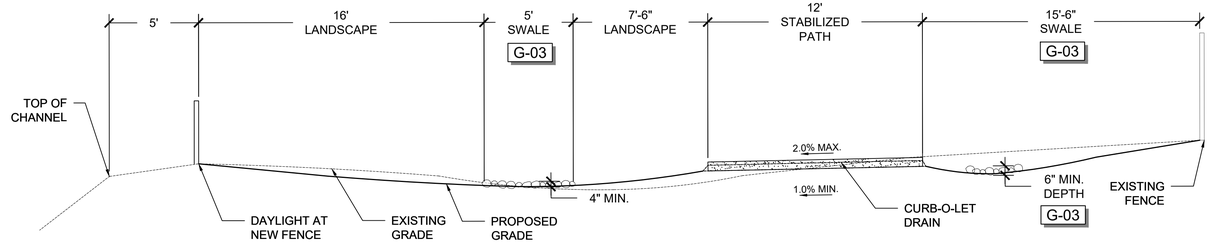
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Sheet 19 of 42 Sheets

Drawing No. LG-1.2

03/30/23 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

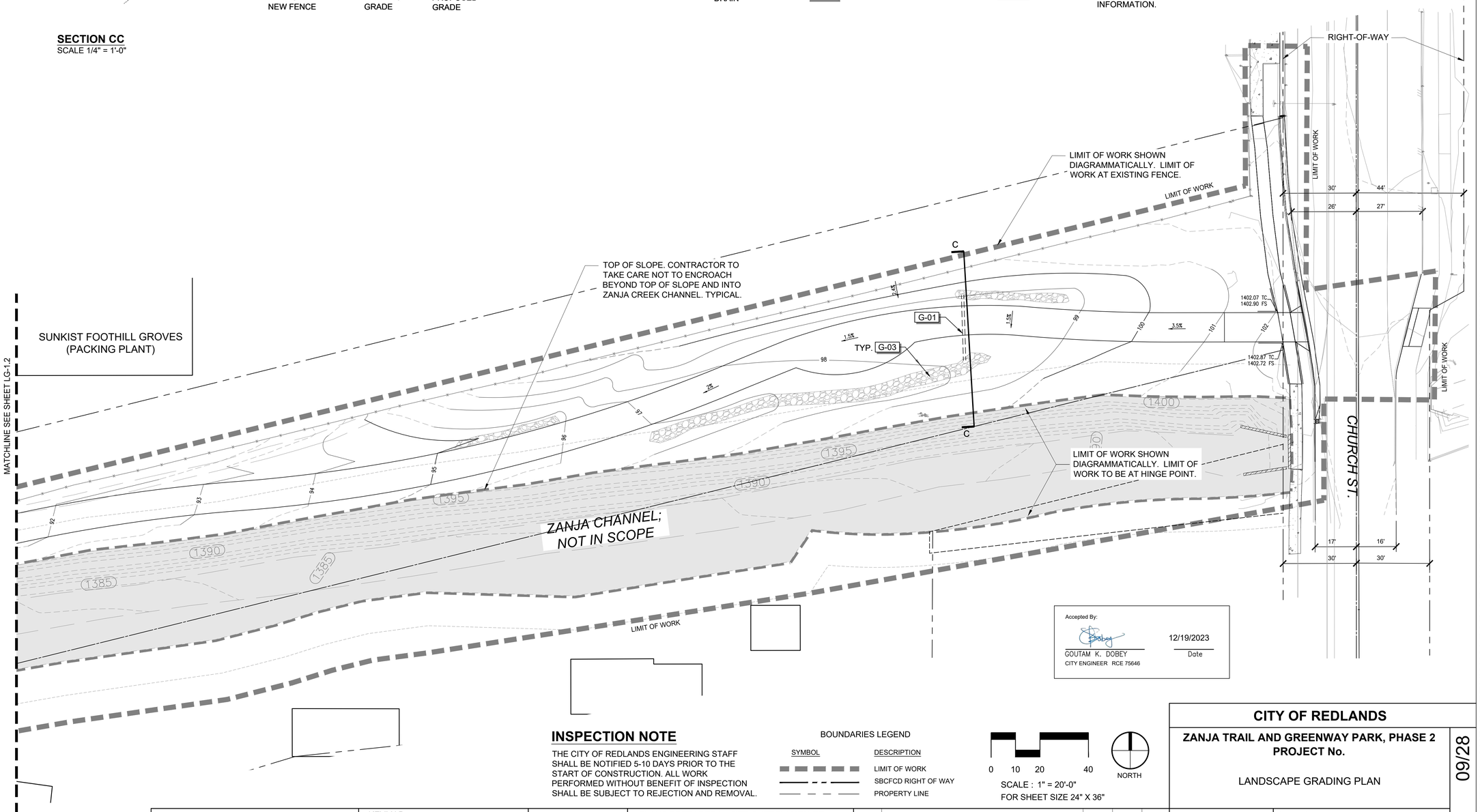
G:\Archive--Projects\400 projects\14-406 Mill Creek Zanja Trail Greenway\06--CD's\Zanja Phase 2\14-406 S--GRD Ph2.dwg 07/26/2023 08:26



SECTION CC
SCALE 1/4" = 1'-0"

GRADING LEGEND LG-1.3

SYMBOL	GRADING DESCRIPTION	DETAIL
G-01	4"X14" RECTANGULAR UNDERDRAIN WITH CURB-O-LET INLET AT EACH SIDE. MODEL #TCD-414 AND #CP-SP414H HUB PIPE BY CURBO-O-LET. INSTALL PER MANUFACTURER'S RECOMMENDATION. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.	
G-03	COBBLE LINED SWALE, SEE LANDSCAPE CONSTRUCTION PLANS FOR ADDITIONAL INFORMATION.	1/LC-2.2



Accepted By:

GOUTAM K. DOBEY
CITY ENGINEER RCE 75646

12/19/2023
Date

INSPECTION NOTE

THE CITY OF REDLANDS ENGINEERING STAFF SHALL BE NOTIFIED 5-10 DAYS PRIOR TO THE START OF CONSTRUCTION. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.

BOUNDARIES LEGEND

SYMBOL	DESCRIPTION
	LIMIT OF WORK
	SBCFCD RIGHT OF WAY
	PROPERTY LINE

0 10 20 40
SCALE : 1" = 20'-0"
FOR SHEET SIZE 24" X 36"

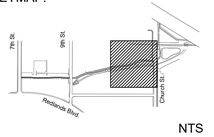
NORTH

BENCHMARK

CITY OF REDLANDS BENCH MARK R-49
BRASS DISK IN TOP OF CURB @ NE COR. ORANGE STREET & COLTON AVE. EAST OF END OF RETURN.

ELEVATION = 1370.856'

KEYMAP:



NTS

LICENSED LANDSCAPE ARCHITECT GLENN A. SCHMIDT No. 2138
SIGNATURE
10-31-23
RENEWAL DATE
5/25/2023
DATE
STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:

SCHMIDT DESIGN GROUP
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Letter	Description	Date	Initial	Initial

Revisions

CITY OF REDLANDS

ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No.

LANDSCAPE GRADING PLAN

PROJECT NO.:14-406
PLOT DATE: 5/25/2023
DRAWN BY: PR, LD, CT
CHECKED BY: CT,JJ

Approved By:

Tabitha Crocker
FACILITIES AND COMMUNITY SERVICES DIRECTOR

Date

Sheet 20 of 42 Sheets
Drawing No. LG-1.3

2301-LS 09/28

03/30/23 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

G:\Archive--Projects\400 projects\14--406 Mill Creek Zanja Trail Greenway\06--CD's\Zanja Phase 2\14--406 S--GRD PH2.dwg 07/26/2023 08:26

CONSTRUCTION LEGEND:

SYMBOL		DESCRIPTION	DETAIL
	1	4" THICK PEDESTRIAN CONCRETE PAVING. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
	2	VEHICULAR CONCRETE PAVING. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
	3	ASPHALT CONCRETE PARKING LOT PAVING. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION. (2)	
	4	EXISTING CONCRETE. PROTECT IN PLACE. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
	5	STABILIZED DECOMPOSED GRANITE. COLOR: CALIFORNIA GOLD. AVAILIABLE THROUGH GAIL MATERIALS. PHONE: (951) 667-6106. INSTALL WITH ROLLED TRANSITION EDGE PER MANUFACTURER`S RECOMMENDATION. CROSS SLOPE OF WALKWAY NOT TO EXCEED 2%. CONTRACTOR TO SUBMIT SAMPLE TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.	1/LC-2.0
	6	INTEGRAL COLOR STAMPED VEHICULAR PAVING. RANDOM ASHLAR STONE BY SCOFIELD. COLOR C-21 ADOBE TAN WITH A-25 LA CRESTA BROWN ANTIQUE RELEASE. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
	7	CONCRETE PAVERS. MODEL GRAN PIETRA 80MM BY ORCO PAVING STONES. COLOR: ORCOTTA. PATTERN: RANDOM ASHLAR. PHONE (951)-685-8498. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	2/LC-2.0
	8	WHEEL STOP. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
	9	EXISTING TREE TO REMAIN, PROTECT IN PLACE.	
	10	ZERO HEIGHT, 8" WIDE CONCRETE HEADER. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
	11	EXISTING CONCRETE CURB TO REMAIN, SEE CIVIL PLANS FOR ADDITIONAL INFOMATION.	
	12	6" RAISED CONCRETE CURB. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION. (1)	
	13A	SCORE JOINT.	
	13B	EXPANSION JOINT.	
	14	MONUMENT SIGN.	4/LC-2.1
	15	PEDESTRIAN CROSSING SIGNAGE, SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
	16	TRAIL SIGN.	
	17	TRUNCATED DOME DETECTABLE WARNING, CAST IN PLACE WARNING SURFACE. ARMOR TILE. COLOR: YELLOW. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
	18	42" HIGH PRESSURE TREATED DOUGLAS FIR POST AND RAIL FENCING, 3-RAIL. FENCE TO FEATURE REMOVABLE POSTS & RAILS FOR CHANNEL MAINTENANCE ACCESS.	1/LC-2.1
	19	EXISTING ELECTRICAL POLE TO REMAIN; PROTECT IN PLACE.	
	20	EXISTING LIGHT POLE TO REMAIN; PROTECT IN PLACE.	
	21	EXISTING CHAINLINK FENCE ON RETAINING WALL TO REMAIN; PROTECT IN PLACE.	
	22	EXISTING CHAINLINK FENCE TO REMAIN, PROTECT IN PLACE.	
	23	EXISTING FENCING TO BE RELOCATED. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION. (1)	
	24	TOP OF SLOPE / HINGE POINT, NO WORK TO BE DONE INSIDE CHANNEL.	
	25	GATEWAY MONUMENT SIGN WITH PRESSURE TREATED HEAVY TIMBER TRELLIS. STONE VENEER COLOR: DC RANCH. AVAILABLE THROUGH KRC ROCK OR APPROVED EQUAL. PHONE: (800) 572-7625.	1/LC-2.3
	26	BOULDERS. AVAILABLE THROUGH SOUTHWEST BOULDER AND STONE OR APPROVED EQUAL. PHONE: (877) 792-7625.	2/LC-2.2
	27	INTERPRETIVE SIGNAGE PANEL.	2/LC-2.1
•	28	REMOVABLE BOLLARD. MODEL 400-36/S-1SL BY DUMOR. COLOR TO BE FOREST GREEN. PHONE (800) 598-4018.	3/LC-2.0
	29	ALUMINUM DOG STATION. MODEL: 1003-L (POST/SIGN/DISPENSER) BY DOGIPOT PET STATION. PHONE: (866) 744-6652.	4/LC-2.0
○	30	TRASH RECEPTACLE. MODEL: QR-CAL2436W-HOOVER19 WITH HOOVER LID BY QCP. COLOR TO BE `LATTE` WITH CRAFTSMAN ETCH FINISH. LID COLOR TO BE BROWN. GRAFFITI COATING PER SPECS. PHONE: (866) 703-3434.	3/LC-2.1
	31	DRAIN PIPE, SEE GRADING PLANS FOR ADDITIONAL INFORMATION.	
	32	EXISTING CULVERT TO REMAIN. CONTRACTOR TO PROTECT IN PLACE.	
	33	COBBLE. SIZE: 4"-8". COLOR: SANTA FE. AVAILABLE THROUGH SOUTHWEST BOULDER AND STONE OR APPROVED EQUAL. PHONE: (877) 792--7625.	1/LC-2.2
	34	ACCESSIBLE PARKING LOADING ZONE, STRIPING, AND PAINTED CURB. COLOR: BLUE. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
	35	ACCESSIBLE PARKING SIGNAGE. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
	36	EXISTING PARKING STRIPING TO REMIAN. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
	37	NEW PARKING STRIPING, TYPICAL. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
PB	38	PULL BOX FOR FUTURE LIGHTING, INSTALL PER CITY STANDARD.	5/LC-2.0
— C —	39	UNDERGROUND CONDUIT FOR FUTURE LIGHTING, INSTALL PER CITY STANDARD.	6/LC-2.0
	40	CURB RAMP. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
	41	CURB AND GUTTER. SEE CIVIL PLAN FOR ADDITIONAL INFORMATION.	
	42	SEE CIVIL DRAWING FOR ROW AND VEHICULAR IMPROVEMENT AREAS.	
	43	IRRIGATION METER. SEE IRRIGATION PLANS AND CIVIL PLANS FOR ADDITIONAL INFORMATION.	
	44	FUTURE TRANSFORMER LOCATION.	
	45	RELOCATED K-RAIL. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION. (1)	
	46	CONCRETE STAIRS. COLOR TO MATCH CONCRETE PAVING.	7/LC-2.0
	47	HANDRAIL IN CURB.	8/LC-2.0
P.A.		PLANTING AREA. SEE PLANTING PLAN.	

INSPECTION NOTE

THE CITY OF REDLANDS ENGINEERING STAFF SHALL BE NOTIFIED 5-10 DAYS PRIOR TO THE START OF CONSTRUCTION. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.

CONSTRUCTION NOTES:

1. DIMENSIONS INDICATED ON PLANS SHALL PREVAIL OVER PLAN SCALE. ALL ANGLES AND CONNECTIONS ARE (90) DEGREES UNLESS NOTED OTHERWISE. ALL COORDINATE POINTS AND DIMENSIONS ARE TAKEN FROM THE BACK OF CURB UNLESS OTHERWISE NOTED.
2. EXPANSION JOINTS SHALL BE AS LOCATED ON THE PLANS AND WHERE CONCRETE MEETS EXISTING WALLS, AND CURBS. EXPANSION JOINTS SHALL BE SEALED TO PREVENT MOISTURE SEEPAGE AFTER CURING. EXPANSION JOINTS ON WALKS TO BE A MAXIMUM OF 30'-0" ON CENTER.
3. ALL CONCRETE SHALL BE A MINIMUM STRENGTH OF 2500 PSI AT 28 DAYS FOR SIDEWALKS. FINISH SHALL BE AS NOTED ON PLANS.
4. ALL FINISH SURFACES INCLUDING CONCRETE PAVING, DG, AND NATURAL SURFACE PATHWAYS SHALL HAVE FINISHED GRADES SMOOTHED TO ELIMINATE PUDDLING OR STANDING WATER. ALL FINISH SURFACES SHALL MAINTAIN POSITIVE DRAINAGE INTO LANDSCAPE OR TO STREET. CROSS SLOPE OF ALL PATHWAYS SHALL NOT EXCEED 2.0%. CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT OF ANY CONFLICTS MAINTAINING DRAINAGE.
5. SCORE JOINTS SHALL BE AS SHOWN ON THE PLANS OR SET ON TYPICAL ON CENTER SPACING AND ALIGN.
6. NO DEVIATIONS FROM PLANS SHALL OCCUR WITHOUT APPROVAL OF THE LANDSCAPE ARCHITECT.
7. ANY PROPOSED WORK THAT IS INCONSISTENT WITH COMMON, SAFE CONSTRUCTION PRACTICES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO COMMENCING WITH CONSTRUCTION.
8. CONTRACTOR SHALL VISIT SITE AND VERIFY ALL FIELD CONDITIONS PRIOR TO BIDDING & BEGINNING CONSTRUCTION.
9. CONTRACTOR SHALL DETERMINE THE LOCATION AND DEPTH OF ALL SITE UTILITIES PRIOR TO CONSTRUCTION. NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES IMMEDIATELY.
10. CONTRACTOR SHALL SECURE ALL PERMITS AND PAY ALL APPLICABLE FEES TO CONSTRUCT THE PLANS HEREIN.
11. THE CONTRACTOR SHALL HAVE ENGINEER OF WORK OR LANDSCAPE ARCHITECT VERIFY ALL CONSTRUCTION STAKING LOCATIONS PRIOR TO INSTALLATION OF CONCRETE PAVING, STAIRS, AND DG PATHWAY.
12. THE CONTRACTOR SHALL PROVIDE ALL CONSTRUCTION STAKING AND RE-STAKING REQUIRED TO COMPLETE THE PROJECT.
13. ALL HARDWARE SUCH AS NAILS, BOLTS, FASTENERS ETC. SHALL BE 316 STAINLESS STEEL OR HOT DIPPED GALVANIZED UNLESS OTHERWISE NOTED.
14. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES AS NECESSARY.
15. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR LANDSCAPE ARCHITECT'S REVIEW AND APPROVAL FOR DETAILS AS NOTED ON THE PLANS AND SPECIFICATIONS.
16. CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY CLEANUP OF THE SITE AND PROVIDING ADEQUATE SAFETY MEASURES DURING CONSTRUCTION ON A 24 HOUR BASIS.
17. ANY CREDITS AND/OR DEBITS SHALL BE REPORTED TO LANDSCAPE ARCHITECT AT TIME OF OCCURRENCE FOR PROPER VERIFICATION AND/OR APPROVAL PRIOR TO COMMENCEMENT OF RESULTING ACTION.
18. CONTRACTOR SHALL PROVIDE A 24 HOUR PHONE NUMBER AVAILABLE IN CASE OF EMERGENCY.
19. SEE CIVIL PLANS FOR ROW AND VEHICULAR IMPROVEMENTS.
20. NO WORK SHALL BE COMPLETED WITHIN ZANJA CHANNEL. CONTRACTOR SHALL BE DILIGENT TO MAKE NO IMPACT TO ZANJA CHANNEL DURING ALL PHASES OF CONSTRUCTION.

Accepted By:

GOUTAM K. DOBEY
CITY ENGINEER RCE 75646

12/19/2023
Date

LICENSED LANDSCAPE ARCHITECT
JAMES A. SCHMIDT No. 5138
SIGNATURE
10-31-23
RENEWAL DATE
5/25/2023
DATE
STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:

SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
619.236.1462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

Letter	Description	Date	Initial	Initial
1	UPDATES TO PARKING LOT	3/30/23		
2	PARKING LOT			

Revisions

PROJECT NO.:14-406
PLOT DATE: 5/25/2023
DRAWN BY: PR, LD, CT
CHECKED BY: CT,JJ

Approved By:

Tabitha Crocker
FACILITIES AND COMMUNITY SERVICES DIRECTOR
Date

Sheet 21 of 42 Sheets
Drawing No. LC-1.0

CITY OF REDLANDS

ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No.

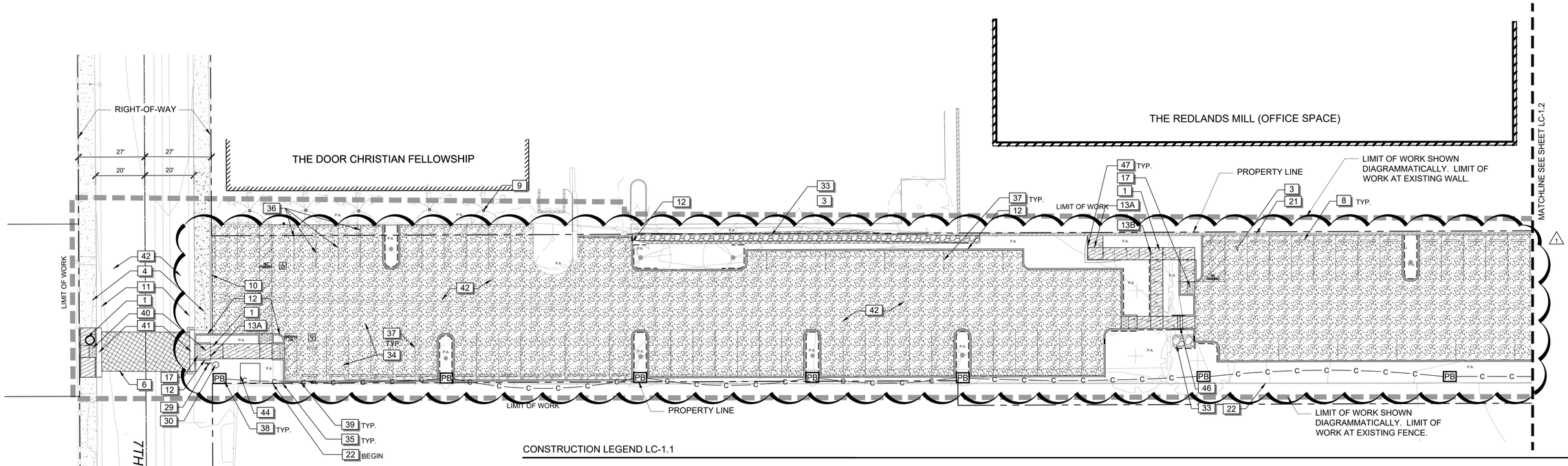
LANDSCAPE CONSTRUCTION LEGEND AND NOTES

10/28

2301-LS

03/30/23 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

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CONSTRUCTION LEGEND LC-1.1

SYMBOL	DESCRIPTION	DETAIL
1	4" THICK PEDESTRIAN CONCRETE PAVING. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
3	ASPHALT CONCRETE PARKING LOT PAVING. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION. (2)	
4	EXISTING CONCRETE. PROTECT IN PLACE. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
6	INTEGRAL COLOR STAMPED VEHICULAR PAVING. RANDOM ASHLAR STONE BY SCOFIELD. COLOR C-21 ADOBE TAN WITH A-25 LA CRESTA BROWN ANTIQUE RELEASE. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
8	WHEEL STOP. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
9	EXISTING TREE TO REMAIN, PROTECT IN PLACE.	
10	ZERO HEIGHT, 8" WIDE CONCRETE HEADER. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
11	EXISTING CONCRETE CURB TO REMAIN, SEE CIVIL PLANS FOR ADDITIONAL INFOMATION.	
12	6" RAISED CONCRETE CURB. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
13A	SCORE JOINT.	
13B	EXPANSION JOINT. (1)	
16	TRAIL SIGN.	
17	TRUNCATED DOME DETECTABLE WARNING, CAST IN PLACE WARNING SURFACE. ARMOR TILE. COLOR: YELLOW. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
21	EXISTING CHAINLINK FENCE ON RETAINING WALL TO REMAIN; PROTECT IN PLACE.	
22	EXISTING CHAINLINK FENCE TO REMAIN, PROTECT IN PLACE.	

SYMBOL	DESCRIPTION	DETAIL
29	ALUMINUM DOG STATION. MODEL: 1003-L (POST/SIGN/DISPENSER) BY DOGIPOT PET STATION. PHONE: (866) 744-6652.	4/LC-2.0
30	TRASH RECEPTACLE. MODEL: QR-CAL2436W-HOOVER19 WITH HOOVER LID BY QCP. COLOR TO BE 'LATTE' WITH CRAFTSMAN ETCH FINISH. LID COLOR TO BE BROWN. GRAFFITI COATING PER SPECS. PHONE: (866) 703-3434.	3/LC-2.1
33	COBBLE. SIZE: 4"-8". COLOR: SANTA FE. AVAILABLE THROUGH SOUTHWEST BOULDER AND STONE OR APPROVED EQUAL. PHONE: (877) 792--7625.	1/LC-2.2
34	ACCESSIBLE PARKING LOADING ZONE, STRIPING, AND PAINTED CURB. COLOR: BLUE. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
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PB 38	PULL BOX FOR FUTURE LIGHTING, INSTALL PER CITY STANDARD.	5/LC-2.0
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40	CURB RAMP. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
41	CURB AND GUTTER. SEE CIVIL PLAN FOR ADDITIONAL INFORMATION.	
42	SEE CIVIL DRAWING FOR ROW AND VEHICULAR IMPROVEMENT AREAS.	
44	FUTURE TRANSFORMER LOCATION.	

SYMBOL	DESCRIPTION	DETAIL
46	CONCRETE STAIRS. COLOR TO MATCH CONCRETE PAVING.	7/LC-2.0
47 (1)	HANDRAIL IN CURB.	8/LC-2.0
P.A.	PLANTING AREA. SEE PLANTING PLAN.	

BOUNDARIES LEGEND

SYMBOL	DESCRIPTION
	LIMIT OF WORK
	SBCFCD RIGHT OF WAY
	PROPERTY LINE

0 10 20 40

SCALE : 1" = 20'-0"
FOR SHEET SIZE 24" X 36"

NORTH

Accepted By:

GOUTAM K. DOBEY
CITY ENGINEER RCE 75646

12/19/2023
Date

INSPECTION NOTE

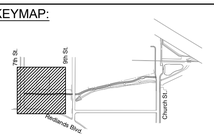
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BENCHMARK

CITY OF REDLANDS BENCH MARK R-49
BRASS DISK IN TOP OF CURB @ NE COR. ORANGE STREET & COLTON AVE. EAST OF END OF RETURN.

ELEVATION = 1370.856'

KEYMAP:



NTS

LICENSED LANDSCAPE ARCHITECT GUERIN A. SCHMIDT No. 2338
SIGNATURE
10-31-23
RENEWAL DATE
5/25/2023
DATE
STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:

SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
619.2361462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

Letter	Description	Date	Initial	Initial
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2	PARKING LOT			

Revisions

PROJECT NO.:14-406
PLOT DATE: 5/25/2023
DRAWN BY: PR, LD, CT
CHECKED BY: CT,JJ

Approved By:

Tabitha Crocker
FACILITIES AND COMMUNITY SERVICES DIRECTOR
Date

Sheet 22 of 42 Sheets
Drawing No. LC-1.1

CITY OF REDLANDS

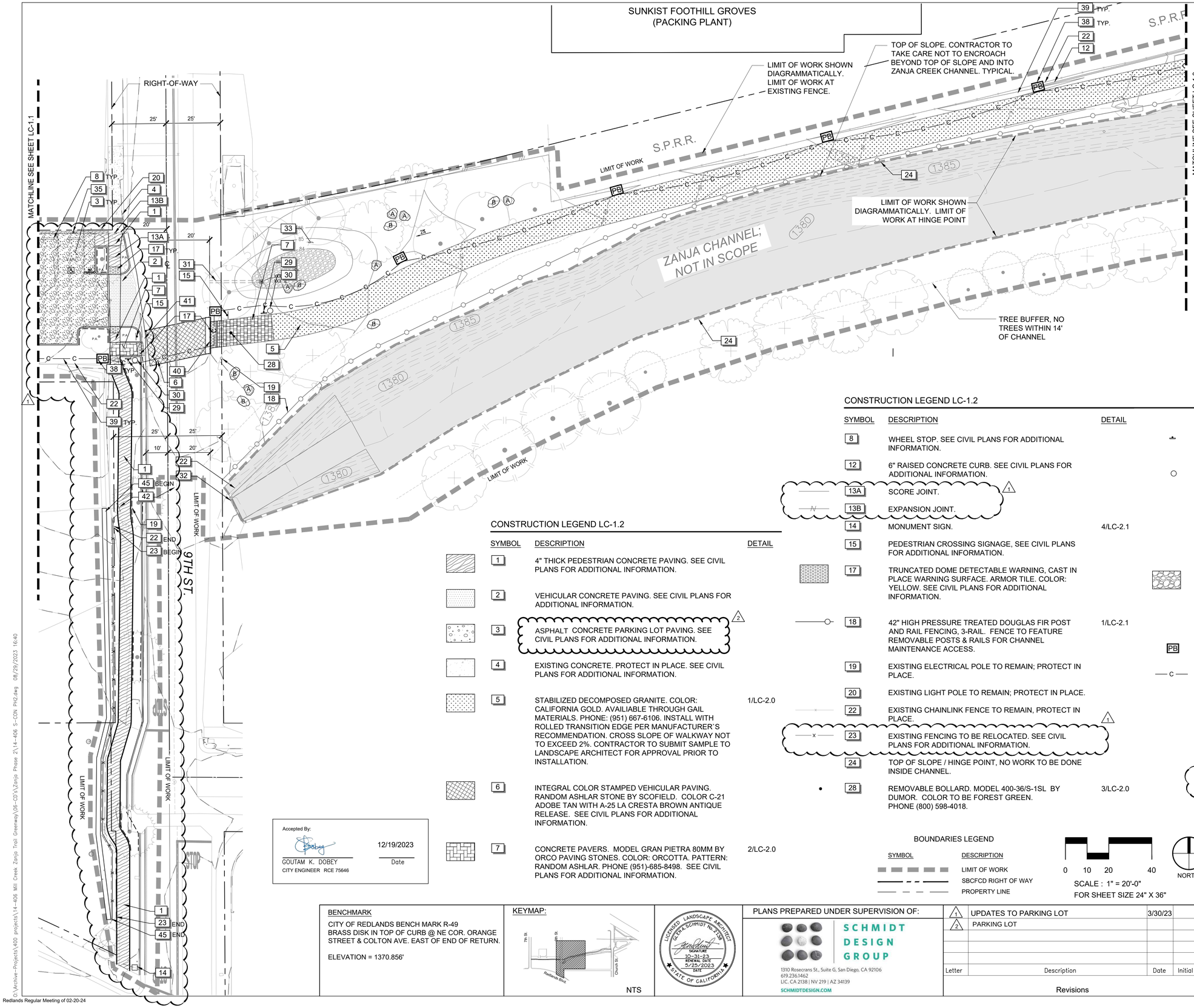
ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No.

LANDSCAPE CONSTRUCTION PLAN

2301-LS 11/28

03/30/23 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

G:\Archive--Projects\400 projects\14-406 Mill Creek Zanja Trail Greenway\06-CD's\Zanja Phase 2\14-406 S-CON PH2.dwg 07/26/2023 08:28



INSPECTION NOTE

THE CITY OF REDLANDS ENGINEERING STAFF SHALL BE NOTIFIED 5-10 DAYS PRIOR TO THE START OF CONSTRUCTION. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.

CONSTRUCTION LEGEND LC-1.2

SYMBOL	DESCRIPTION	DETAIL
1	4" THICK PEDESTRIAN CONCRETE PAVING. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
2	VEHICULAR CONCRETE PAVING. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
3	ASPHALT CONCRETE PARKING LOT PAVING. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION. (2)	
4	EXISTING CONCRETE. PROTECT IN PLACE. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
5	STABILIZED DECOMPOSED GRANITE. COLOR: CALIFORNIA GOLD. AVAILIABLE THROUGH GAIL MATERIALS. PHONE: (951) 667-6106. INSTALL WITH ROLLED TRANSITION EDGE PER MANUFACTURER`S RECOMMENDATION. CROSS SLOPE OF WALKWAY NOT TO EXCEED 2%. CONTRACTOR TO SUBMIT SAMPLE TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.	1/LC-2.0
6	INTEGRAL COLOR STAMPED VEHICULAR PAVING. RANDOM ASHLAR STONE BY SCOFIELD. COLOR C-21 ADOBE TAN WITH A-25 LA CRESTA BROWN ANTIQUE RELEASE. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
7	CONCRETE PAVERS. MODEL GRAN PIETRA 80MM BY ORCO PAVING STONES. COLOR: ORCOTTA. PATTERN: RANDOM ASHLAR. PHONE (951)-685-8498. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	2/LC-2.0

CONSTRUCTION LEGEND LC-1.2

SYMBOL	DESCRIPTION	DETAIL
8	WHEEL STOP. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
12	6" RAISED CONCRETE CURB. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
13A	SCORE JOINT. (1)	
13B	EXPANSION JOINT.	
14	MONUMENT SIGN.	4/LC-2.1
15	PEDESTRIAN CROSSING SIGNAGE, SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
17	TRUNCATED DOME DETECTABLE WARNING, CAST IN PLACE WARNING SURFACE. ARMOR TILE. COLOR: YELLOW. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
18	42" HIGH PRESSURE TREATED DOUGLAS FIR POST AND RAIL FENCING, 3-RAIL. FENCE TO FEATURE REMOVABLE POSTS & RAILS FOR CHANNEL MAINTENANCE ACCESS.	1/LC-2.1
19	EXISTING ELECTRICAL POLE TO REMAIN; PROTECT IN PLACE.	
20	EXISTING LIGHT POLE TO REMAIN; PROTECT IN PLACE.	
22	EXISTING CHAINLINK FENCE TO REMAIN, PROTECT IN PLACE.	
23	EXISTING FENCING TO BE RELOCATED. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION. (1)	
24	TOP OF SLOPE / HINGE POINT, NO WORK TO BE DONE INSIDE CHANNEL.	
28	REMOVABLE BOLLARD. MODEL 400-36/S-1SL BY DUMOR. COLOR TO BE FOREST GREEN. PHONE (800) 598-4018.	3/LC-2.0
29	ALUMINUM DOG STATION. MODEL: 1003-L (POST/SIGN/DISPENSER) BY DOGIPOT PET STATION. PHONE: (866) 744-6652.	4/LC-2.0
30	TRASH RECEPTACLE. MODEL: QR-CAL2436W-HOOVER19 WITH HOOVER LID BY QCP. COLOR TO BE `LATTE` WITH CRAFTSMAN ETCH FINISH. LID COLOR TO BE BROWN. GRAFFITI COATING PER SPECS. PHONE: (866) 703-3434.	3/LC-2.1
31	DRAIN PIPE, SEE GRADING PLANS FOR ADDITIONAL INFORMATION.	
32	EXISTING CULVERT TO REMAIN. CONTRACTOR TO PROTECT IN PLACE.	
33	COBBLE. SIZE: 4"-8". COLOR: SANTA FE. AVAILABLE THROUGH SOUTHWEST BOULDER AND STONE OR APPROVED EQUAL. PHONE: (877) 792--7625.	1/LC-2.2
35	ACCESSIBLE PARKING SIGNAGE. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
PB	PULL BOX FOR FUTURE LIGHTING, INSTALL PER CITY STANDARD.	5/LC-2.0
C	UNDERGROUND CONDUIT FOR FUTURE LIGHTING, INSTALL PER CITY STANDARD.	6/LC-2.0
40	CURB RAMP. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
41	CURB AND GUTTER. SEE CIVIL PLAN FOR ADDITIONAL INFORMATION.	
42	SEE CIVIL DRAWING FOR ROW AND VEHICULAR IMPROVEMENT AREAS.	
45	RELOCATED K-RAIL. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION. (1)	

BOUNDARIES LEGEND

SYMBOL	DESCRIPTION
	LIMIT OF WORK
	SBCFCD RIGHT OF WAY
	PROPERTY LINE

0 10 20 40

SCALE : 1" = 20'-0"
FOR SHEET SIZE 24" X 36"

NORTH

Accepted By:

GOUTAM K. DOBEY
CITY ENGINEER RCE 75646

12/19/2023
Date

BENCHMARK

CITY OF REDLANDS BENCH MARK R-49
BRASS DISK IN TOP OF CURB @ NE COR. ORANGE STREET & COLTON AVE. EAST OF END OF RETURN.

ELEVATION = 1370.856'

KEYMAP:

NTS

LICENSED LANDSCAPE ARCHITECT GLEN A. SCHMIDT No. 2138 SIGNATURE 10-31-23 RENEWAL DATE 5/25/2023 DATE STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:

SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
619.236.1462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

Letter	Description	Date	Initial	Initial
1	UPDATES TO PARKING LOT	3/30/23		
2	PARKING LOT			

Revisions

PROJECT NO.:14-406
PLOT DATE: 5/25/2023
DRAWN BY: PR, LD, CT
CHECKED BY: CT,JJ

Approved By:

Tabitha Crocker
FACILITIES AND COMMUNITY SERVICES DIRECTOR
Date

Sheet 23 of 42 Sheets
Drawing No. LC-1.2

CITY OF REDLANDS

ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No.

LANDSCAPE CONSTRUCTION PLAN

12/28

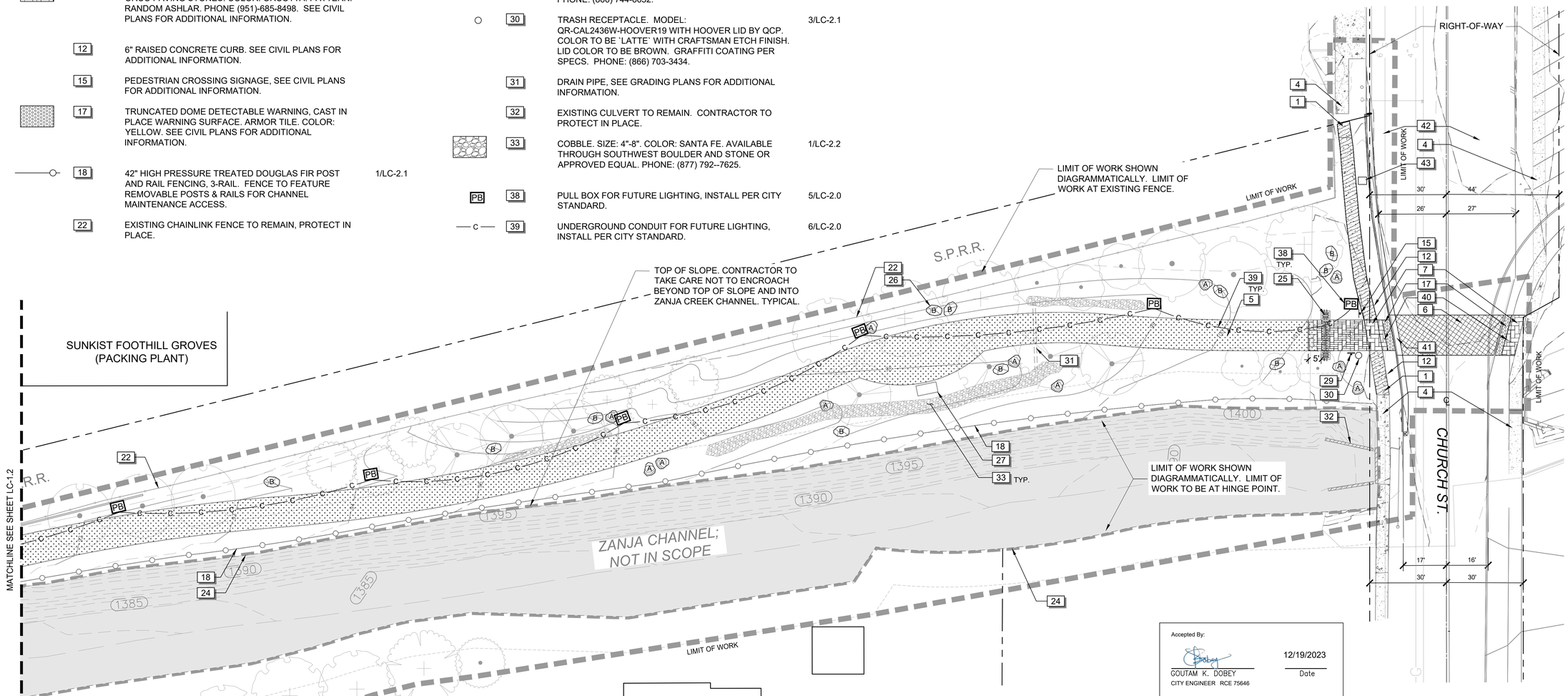
2301-LS

03/30/23 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

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CONSTRUCTION LEGEND LC-1.3

SYMBOL		DESCRIPTION	DETAIL
	1	4" THICK PEDESTRIAN CONCRETE PAVING. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
	4	EXISTING CONCRETE. PROTECT IN PLACE. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
	6	INTEGRAL COLOR STAMPED VEHICULAR PAVING. RANDOM ASHLAR STONE BY SCOFIELD. COLOR C-21 ADOBE TAN WITH A-25 LA CRESTA BROWN ANTIQUE RELEASE. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
	7	CONCRETE PAVERS. MODEL GRAN PIETRA 80MM BY ORCO PAVING STONES. COLOR: ORCOTTA. PATTERN: RANDOM ASHLAR. PHONE (951)-685-8498. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	2/LC-2.0
	12	6" RAISED CONCRETE CURB. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
	15	PEDESTRIAN CROSSING SIGNAGE, SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
	17	TRUNCATED DOME DETECTABLE WARNING, CAST IN PLACE WARNING SURFACE. ARMOR TILE. COLOR: YELLOW. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
	18	42" HIGH PRESSURE TREATED DOUGLAS FIR POST AND RAIL FENCING, 3-RAIL. FENCE TO FEATURE REMOVABLE POSTS & RAILS FOR CHANNEL MAINTENANCE ACCESS.	1/LC-2.1
	22	EXISTING CHAINLINK FENCE TO REMAIN, PROTECT IN PLACE.	
	24	TOP OF SLOPE / HINGE POINT, NO WORK TO BE DONE INSIDE CHANNEL.	
	25	GATEWAY MONUMENT SIGN WITH PRESSURE TREATED HEAVY TIMBER TRELLIS. STONE VENEER COLOR: DC RANCH. AVAILABLE THROUGH KRC ROCK OR APPROVED EQUAL. PHONE: (800) 572-7625.	1/LC-2.3
	26	BOULDERS. AVAILABLE THROUGH SOUTHWEST BOULDER AND STONE OR APPROVED EQUAL. PHONE: (877) 792-7625.	2/LC-2.2
	27	INTERPRETIVE SIGNAGE PANEL.	2/LC-2.1
	29	ALUMINUM DOG STATION. MODEL: 1003-L (POST/SIGN/DISPENSER) BY DOGIPOT PET STATION. PHONE: (866) 744-6652.	4/LC-2.0
	30	TRASH RECEPTACLE. MODEL: QR-CAL2436W-HOOVER19 WITH HOOVER LID BY QCP. COLOR TO BE 'LATTE' WITH CRAFTSMAN ETCH FINISH. LID COLOR TO BE BROWN. GRAFFITI COATING PER SPECS. PHONE: (866) 703-3434.	3/LC-2.1
	31	DRAIN PIPE, SEE GRADING PLANS FOR ADDITIONAL INFORMATION.	
	32	EXISTING CULVERT TO REMAIN. CONTRACTOR TO PROTECT IN PLACE.	
	33	COBBLE. SIZE: 4"-8". COLOR: SANTA FE. AVAILABLE THROUGH SOUTHWEST BOULDER AND STONE OR APPROVED EQUAL. PHONE: (877) 792--7625.	1/LC-2.2
PB	38	PULL BOX FOR FUTURE LIGHTING, INSTALL PER CITY STANDARD.	5/LC-2.0
C	39	UNDERGROUND CONDUIT FOR FUTURE LIGHTING, INSTALL PER CITY STANDARD.	6/LC-2.0
	40	CURB RAMP. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.	
	41	CURB AND GUTTER. SEE CIVIL PLAN FOR ADDITIONAL INFORMATION.	
	42	SEE CIVIL DRAWING FOR ROW AND VEHICULAR IMPROVEMENT AREAS.	
	43	IRRIGATION METER. SEE IRRIGATION PLANS AND CIVIL PLANS FOR ADDITIONAL INFORMATION.	



Accepted By:

GOUTAM K. DOBEY
CITY ENGINEER RCE 75646

12/19/2023
Date

INSPECTION NOTE

THE CITY OF REDLANDS ENGINEERING STAFF SHALL BE NOTIFIED 5-10 DAYS PRIOR TO THE START OF CONSTRUCTION. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.

BOUNDARIES LEGEND

SYMBOL	DESCRIPTION
	LIMIT OF WORK
	SBCFCD RIGHT OF WAY
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0 10 20 40
SCALE : 1" = 20'-0"
FOR SHEET SIZE 24" X 36"

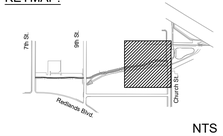
NORTH

BENCHMARK

CITY OF REDLANDS BENCH MARK R-49
BRASS DISK IN TOP OF CURB @ NE COR. ORANGE STREET & COLTON AVE. EAST OF END OF RETURN.

ELEVATION = 1370.856'

KEYMAP:



NTS

LICENSED LANDSCAPE ARCHITECT
GLEN A. SCHMIDT No. 2738
SIGNATURE
10-31-23
RENEWAL DATE
5/25/2023
DATE
STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:

SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
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LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

Letter	Description	Date	Initial	Initial

Revisions

CITY OF REDLANDS

ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No.

LANDSCAPE CONSTRUCTION PLAN

PROJECT NO.:14-406
PLOT DATE: 5/25/2023
DRAWN BY: PR, LD, CT
CHECKED BY: CT,JJ

Approved By:

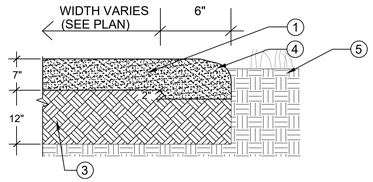
Tabitha Crocker
FACILITIES AND COMMUNITY SERVICES DIRECTOR
Date

Sheet 24 of 42 Sheets
Drawing No. LC-1.3

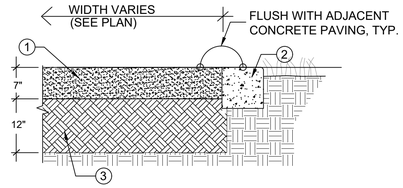
2301-LS 13/28

03/30/23 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

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SECTION-ROLLED EDGE



SECTION-ADJACENT HARDSCAPE

LEGEND:

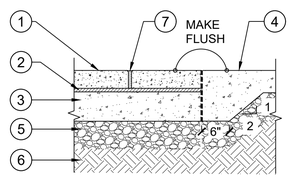
1. DG PAVING WITH SOIL STABILIZER (SEE SPECIFICATIONS) TO BE PLACED IN TWO (2) EQUAL LAYERS. ROLL EACH LAYER SEPARATELY TO 95% MIN. COMPACTION.
2. ADJACENT MOW CURB OR CONCRETE PAVING, PER PLANS.
3. 12" DEPTH COMPACTED SUBGRADE TO MIN. 95% COMPACTION.
4. 6" ROLLED TRAIL TRANSITION EDGE.
5. FINISH GRADE: 1" BELOW FINISH SURFACE OF TRAIL WHEN ADJACENT SOFTSCAPE.

NOTES:

A. SEE CONSTRUCTION PLAN FOR DECOMPOSED GRANITE PAVING TYPE AND MANUFACTURER.
B. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
C. CONTRACTOR TO PROVIDE 3' X 3' MOCK UP IN FIELD FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
D. SEE ALSO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

1 STABILIZED TRAIL SURFACE

NO SCALE



	CONCRETE BASE	BASE	SUBGRADE
VEHICULAR	6" MIN. WITH #4 REBAR @ 18" O.C. EA. WAY	6" MIN. CLASS 2 AGGREGATE BASE	12" COMPACT

LEGEND:

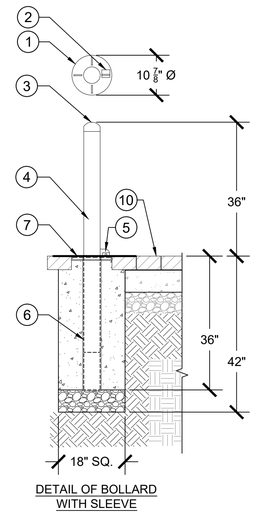
1. PAVER OR ADA DETECTABLE WARNING TILE. SEE CONSTRUCTION LEGEND FOR TYPE.
2. HIGH STRENGTH MORTAR; TO BE LATICRETE 254 PLATINUM OR APPROVED EQUAL. PAVERS TO BE BACK BUTTERED AND SET TO ACHIEVE 100% CONTACT BETWEEN THE PAVER AND MORTAR BED AND FREE OF VOIDS.
3. CONCRETE BASE PER CHART BELOW
4. THICKENED EDGE, OR ADJACENT PAVING PER PLAN
5. BASE PER CHART
6. SOIL SUBGRADE PER CHART
7. JOINT SAND

NOTES:

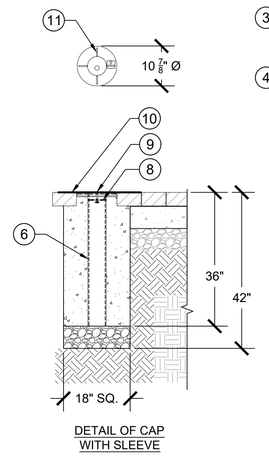
A. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.
B. CONTRACTOR TO PROVIDE SAMPLE OF PAVER FOR APPROVAL PRIOR TO INSTALLATION.
C. CONTRACTOR TO INSTALL PER MANUFACTURER'S RECOMMENDATION.

2 PAVER OVER CONCRETE BASE

NO SCALE



DETAIL OF BOLLARD WITH SLEEVE



DETAIL OF CAP WITH SLEEVE



LEGEND:

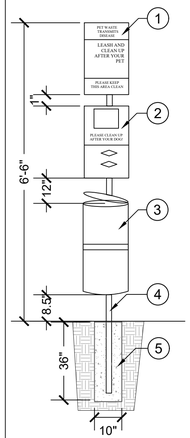
1. 1/4" X 3/4" STL BAR
2. STL. HINGE
3. WELDED CAP
4. 4" SCH 40 STL PIPE (4 1/2" O.D.)
5. 1/4" X 2" TAB FOR LOCKING DEVICE W/ 5/8" DIA. HOLE (LOCK BY OTHER)
6. 5" OD X 3/16" W. STL. TUBE FOR SLEEVE
7. 1/4" THK STL PLATE
8. (2) 1/4" THK. X 4 1/4" DD RUBBER WASHERS
9. 1/2" X 3" S.STL. BTN. SKT. HD. CAP SCREW W/ WASHER AND COTTER PIN
10. ADJACENT PAVING PER PLAN
11. 3/8" SQ STL BAR

NOTES:

A. INSTALL PER MANUFACTURERS RECOMMENDATIONS
B. PAD-LOCK SUPPLIED BY OWNER
C. STEEL MEMBERS COATED WITH ZINC RICK EPOXY THEN FINISHED WITH POLYESTER POWDER COATING

3 REMOVABLE BOLLARD

NO SCALE

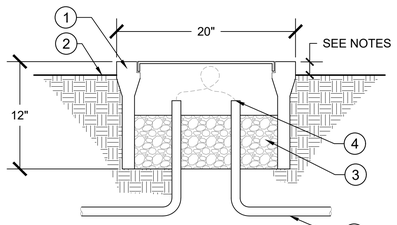


LEGEND:

1. DOGIPOT PET SIGN. ITEM 1203/1204. 18" X 11.5", .63 GAUGE ALUMINUM, FOREST GREEN ON WHITE
2. DOGIPOT DISPENSER. ITEM 1002. 15.5"(H) X 9.4"(W) X 3.25"(D) .08 GAUGE ALUMINUM, 400 BAG CAPACITY.
3. STEEL TRASH RECEPTACLE WITH LID. ITEM 1206 23"(H) X 11.5"(W), 10 GAL. CAPACITY.
4. GALVANIZED STEEL MOUNTING POST. ITEM 1301. 2"X2"X8'
5. CONCRETE FOOTING

4 PET STATION

NO SCALE



LEGEND:

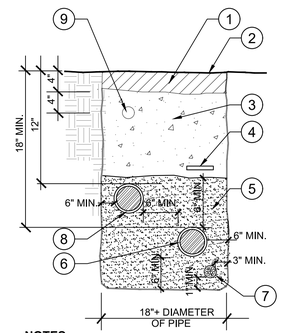
1. CONCRETE PULL BOX. AVAILIABLE THROUGH BROOKS PRODUCTS. PHONE: (909) 947-7470. TYPE: #36.
2. FINISH GRADE.
3. PEA GRAVEL, 6" MIN.
4. PROVIDE EYS CONDUIT SEALS AT ALL STUBS.
5. CONDUIT, SEE SITE PLAN FOR LOCATION.

NOTE:

A. TOP OF JUNCTION BOX SHALL BE SET 2" ABOVE GRADE AT SHRUB/ PLANTING AREAS AND FLUSH TO GRADE AT LAWN AREAS

5 LIGHTING PULL BOX

NTS S2-MI8-95



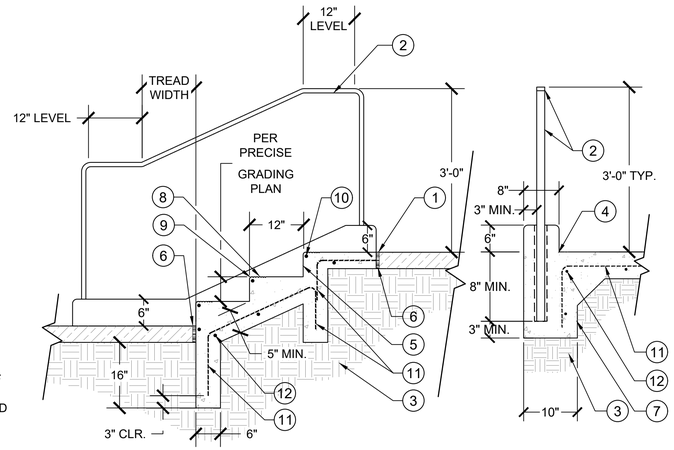
1. IMPORTED TOPSOIL OR AMMENDED NATIVE SOIL
2. FINISHED GRADE
3. NATIVE SOIL FREE OF ROCKS AND DEBRIS 3" OR GREATER
4. TRENCH MARKER
5. SAND BEDDING MATERIAL
6. IRRIGATION MAINLINE
7. 2-WIRE PATH IN 1-1/2" CONDUIT
8. IRRIGATION LATERAL LINE
9. IN LINE DRIP TUBING (IF APPLICABLE - SEE IRRIGATION LEGEND)

NOTES:

1. TRENCH MARKER SHALL BE A 3" WIDE CONTINUOUS METALLIC PLASTIC STRIP ABOVE THE MAINLINE AND DIRECT BURIAL CONTROL WIRES.
2. ALL PIPE AND CONTROL WIRE UNDER PAVEMENT SHALL BE INSTALLED IN A P.V.C. SLEEVE PER THE IRRIGATION SPECIFICATIONS.
3. BACKFILL MATERIAL SHALL BE COMPACTED TO A RELATIVE COMPACTION OF 90% MIN.
4. SLEEVES SHALL BE 2x DIAMETER OF PIPE OR WIRE BUNDLE DIAMETER.
5. SLEEVES SHALL EXTEND 12" BEYOND CURB OR EDGE OF HARDSCAPE PAVING, TYPICAL.

6 PIPING CONTROL WIRE

NO SCALE



STAIR SECTION

CROSS SECTION

LEGEND:

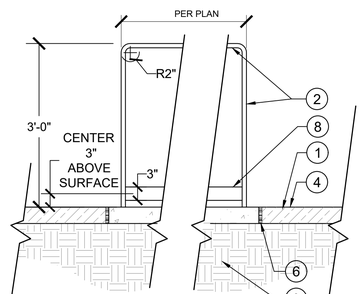
1. ADJACENT PAVING (SEE LANDSCAPE CONSTRUCTION PLAN).
2. HANDRAIL. FLAT BAR STEEL. 1/4" THICK X 1.5" WIDE. PAINTED BRONZE.
3. SUBGRADE COMPACTED TO 95% RELATIVE COMPACTION PER GEOTECH REPORT.
4. FINISH GRADE PER CIVIL PLANS.
5. CONCRETE STAIRS 520-C-2500. SLOPE TREADS 1/4" FOR POSITIVE DRAINAGE.
6. EXPANSION JOINT PER PLAN, SEE DETAIL 2/ LC-2.2.
7. CONCRETE FOOTING. 3-1/2" DIA. CORE IN TURNDOWN FOR POST FOOTING, FILL WITH HIGH-STRENGTH EPOXY. ALLOW NO PONDING OF WATER. CAN BE CONTIGOUS POUR WITH STAIRS.
8. 3" STAIR BORDER WITH (4) 1/4" GROOVES AT 3/4" ON CENTER TYPICAL ALL STAIR TREADS AND UPPER APPROACH. STAIN BORDER WITH CONTRASTING COLOR PER CBC TITLE 24. SECTION 1133B.4.5. COORDINATE WITH LANDSCAPE ARCHITECT FOR STAIN COLOR.
9. 1/2" RADIUS ON ALL EDGES TYPICAL.
10. #3 REBAR HORIZONTAL AT EACH STAIR TREAD.
11. #4 REBAR AT 12" ON CENTER TYPICAL.
12. #4 REBAR AT 24" ON CENTER TYPICAL.

NOTES:

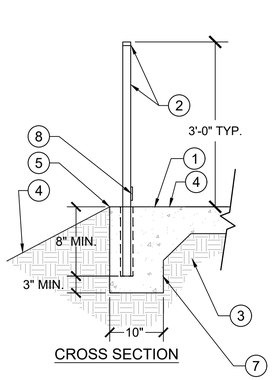
A. ALL METAL TO BE GALVANIZED STEEL INSIDE AND OUT.
B. WELD AND GRIND SMOOTH ALL CONNECTIONS, EDGES, AND CORNERS TO ELIMINATE ANY SHARP EDGES.
C. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO FABRICATION.
D. PAINT ALL EXPOSED WELDS WITH GALVANIZED PAINT.
E. ALL RADII SHALL BE SMOOTH.
F. ALL STAIR SETS AND RAILINGS SHALL COMPLY WITH CBC TITLE 24, SECTION 1133B.
G. ALL EXPOSED METAL TO BE PAINTED WITH 2 COATS OF RUST RESISTANT PRIMER AND 2 COATS FINAL COLOR.

7 STAIRS WITH HANDRAILS

NO SCALE



STAIR SECTION



CROSS SECTION

LEGEND:

1. ADJACENT PAVING (SEE LANDSCAPE CONSTRUCTION PLAN).
2. HANDRAIL. FLAT BAR STEEL. 1/4" THICK X 1.5" WIDE. PAINTED BRONZE.CONFIRM FINAL COLOR WITH LANDSCAPE ARCHITECT.
3. SUBGRADE COMPACTED TO 95% RELATIVE COMPACTION PER GEOTECH REPORT.
4. FINISH GRADE PER CIVIL PLANS.
5. 1/2" RADIUS ON ALL EDGES TYPICAL.
6. EXPANSION JOINT. SEE DETAIL 3/LC-2.2
7. CONCRETE FOOTING. 3-1/2" DIA. CORE IN TURNDOWN FOR POST FOOTING, FILL WITH HIGH-STRENGTH EPOXY. ALLOW NO PONDING OF WATER. CAN BE CONTIGOUS POUR WITH STAIRS.
8. 1/4" X 3" STD. STEEL WHEEL GUIDE WELDED @ POST. PAINTED.

NOTES:

A. ALL METAL TO BE GALVANIZED STEEL INSIDE AND OUT.
B. WELD AND GRIND SMOOTH ALL CONNECTIONS, EDGES, AND CORNERS TO ELIMINATE ANY SHARP EDGES.
C. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO FABRICATION.
D. PAINT ALL EXPOSED WELDS WITH GALVANIZED PAINT. ALL METAL SURFACES SHALL RECEIVE 2 COATS METAL PRIMER AND 2 COATS EXTERIOR GRADE METAL PAINT.
E. ALL RADII SHALL BE SMOOTH.
F. ALL EXPOSED METAL TO BE PAINTED WITH 2 COATS OF RUST RESISTANT PRIMER AND 2 COATS FINAL COLOR.
G. POST SPACING NOT TO EXCEED 5' O.C. POSTS SHOULD BE POSITIONED AT ALL CORNERS AND ENDS OF RAILING.

8 HANDRAIL

NO SCALE

Accepted By:

GOUTAM K. DOBEY
CITY ENGINEER RCE 75646

12/19/2023
Date

INSPECTION NOTE

THE CITY OF REDLANDS ENGINEERING STAFF SHALL BE NOTIFIED 5-10 DAYS PRIOR TO THE START OF CONSTRUCTION. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.

LICENSED LANDSCAPE ARCHITECT GEORGE SCHMIDT No. 2136 SIGNATURE 10-31-23 RENEWAL DATE 5/25/2023 DATE STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:

SCHMIDT DESIGN GROUP

1310 Rosecrans St., Suite G, San Diego, CA 92106
619.236.1462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

Letter	Description	Date	Initial	Initial

Revisions

PROJECT NO.:14-406
PLOT DATE: 5/25/2023
DRAWN BY: PR, LD, CT
CHECKED BY: CT,JJ

CITY OF REDLANDS

ZANJA TRAIL AND GREENWAY PARK, PHASE 2 PROJECT No.

LANDSCAPE CONSTRUCTION DETAILS

Approved By:

Tabitha Crocker
FACILITIES AND COMMUNITY SERVICES DIRECTOR

Date

Sheet 25 of 42 Sheets

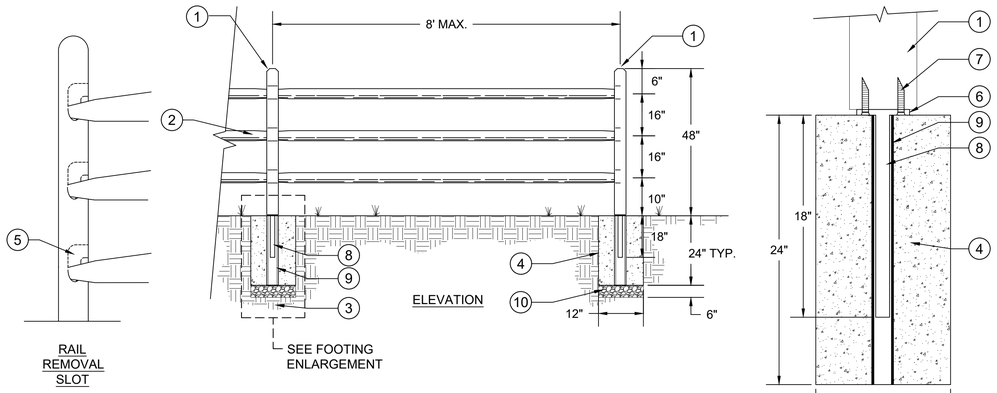
Drawing No. LC-2.0

14/28

2301-LS

03/30/23 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

G:\Archive--Projects\400 projects\14--406 Mill Creek Zanja Trail Greenway\06--CD's\Zanja Phase 2\14--406 S--CON DETL PH2.dwg 07/26/2023 08:30



REMOVABLE POST FOOTING ENLARGEMENT

LEGEND:

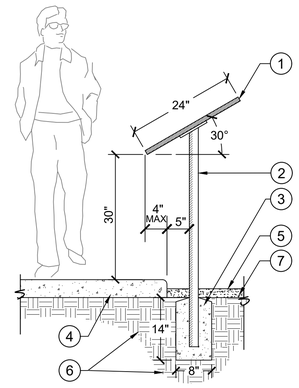
1. 6" DIA. PT DOUGLAS FIR POST. END POSTS TO HAVE HOLES ON ONE SIDE ONLY.
2. 8' X 3.5" DIA. RAILS; PT DOUGLAS FIR RAILS WITH TAPERED ENDS TO MEET HOLES.
3. 95% COMPACTED SUBGRADE
4. CONCRETE FOOTING WITH POST SLEEVE
5. RAIL REMOVAL SLOT ROUTERED INTO POST ON ONE SIDE OF EACH POST.
6. 4" DIA. X 1/8" THICK GALVANIZED STEEL MOUNTING PLATE WITH PIPE DOWEL. PIPE DOWEL TO BE AFFIXED TO MOUNTING PLATE WITH FILLET WELD.
7. (4) GALVANIZED STEEL SCREWS. MOUNT STEEL PLATE AND DOWEL TO BOTTOM OF FENCE POST. HEADS TO BE FLUSH WITH STEEL PLATE. FENCE POST WITH AFFIXED DOWEL TO BE PLACED IN FOOTING SLEEVE.
8. 3/4" DIA. GALVANIZED STEEL PIPE DOWEL, FILLET WELD TO STEEL MOUNTING PLATE (O.D. 1.05 IN)
9. 1-1/4" DIA. GALVANIZED STEEL SLEEVE. (I.D. 1.38 IN) CAST INTO CONCRETE FOOTING.
10. 6" DEPTH GRAVEL DRAIN ROCK

NOTES:

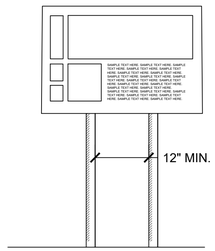
A. ALL FENCE POSTS AND RAILS SHALL BE REMOVABLE FOR PURPOSES OF MAINTENANCE OPERATIONS.
B. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION
C. ALL WOOD FOR RAIL FENCE TO BE PRESSURE TREATED.
D. END POST SHALL BE TERMINAL POST.
E. ALL STEEL SLEEVES AND MOUNTING PLATES TO BE GALVANIZED AFTER FABRICATION.

1 REMOVABLE POST & RAIL WOOD FENCE

NO SCALE



SECTION



ELEVATION

LEGEND:

1. 24" x 36" INTERPRETIVE SIGN(S) PER CONSTRUCTION LEGEND AND SPECIFICATIONS
2. 2.5" DIA. STEEL DOUBLE POST INGROUND FRAMELESS PEDESTAL MOUNT FASTENERS, AND ALL BRACKETRY TO BE POWDERCOATED SEMIGLOSS FOREST GREEN THROUGH 'ENVIROSIGNS' OR EQUAL
3. CONCRETE FOOTING - SIZE AS INDICATED - POST SHALL HAVE 10" MIN. EMBEDMENT, WITH 4" MIN. CLR. FROM CONCRETE PAVING. CROWN FOOTING FOR POSITIVE DRAINAGE
4. ADJACENT DG OR CONCRETE PAVING. SEE CONSTRUCTION PLANS
5. FINISH GRADE
6. COMPACT SOIL SUBGRADE (95% MIN.)
7. 3" MULCH LAYER

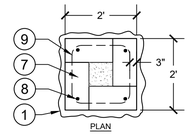
NOTES:

A. CONTRACTOR TO PROVIDE SHOP DRAWINGS INCLUDING APPROPRIATE FASTENERS AND SAMPLES OF ALL MATERIAL USED, TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO FABRICATION.
B. CONTRACTOR SHALL COORDINATE WITH ENVIROSIGNS (1-888-492-5377) OR APPROVED EQUAL FOR MANUFACTURE INTERPRETIVE PANELS AND POST (S).
C. THE CHARACTERS AND BACKGROUND OF SIGNS SHALL BE EGGSHELL, MATTE FINISH (OR OTHER NON-GLARE). PHOTOS AND IMAGES TO BE FULL COLOR.
D. DISPLAYED WRITTEN AND GRAPHIC MATERIALS(SIGNS) MUST BE LEGIBLE AS DEPENDENT ON THE CONTRAST, REFLECTIVITY, LIGHTING, ANGLE OF VISION, AND SIZE.
E. SIGNAGE DESIGN: TBD
F. FINAL DESIGN FOR EACH PANEL SHALL BE PROVIDED BY LANDSCAPE ARCHITECT IN HIGH RESOLUTION DIGITAL FORMAT. SEE ALSO SPECIFICATIONS.
G. SIGN SHALL COMPLY WITH VISUAL CHARACTERS (CBC 11B-216.1, 11B-216.3)

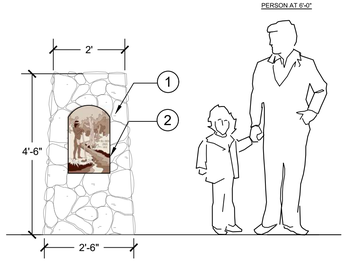
2 INTERPRETIVE POST & SIGN

NO SCALE

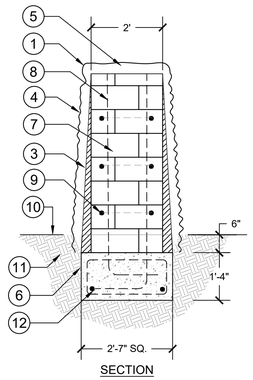
NOTES:
1. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO FABRICATION.



PLAN

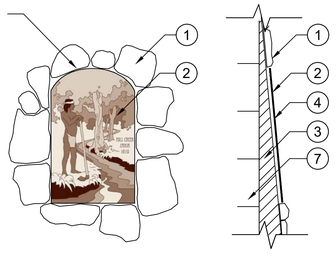


ELEVATION



SECTION

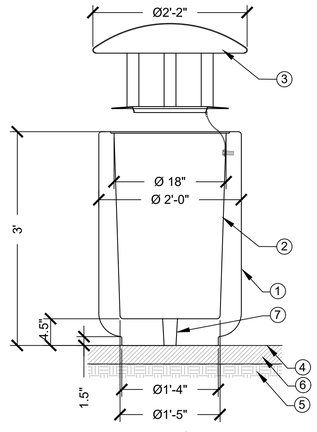
CONTRACTOR TO SELECT STONES WITH STRAIGHT NATURAL EDGES AROUND ENAMEL SIGN. CONTRACTOR SHALL NOT SAW CUT STONE VENEER TO FIT AROUND ENAMEL SIGN



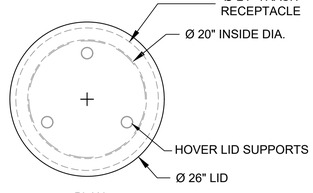
ENAMEL PLAQUE ENLARGEMENT & SECTION

3 TRASH RECEPTACLE WITH HOVER LID

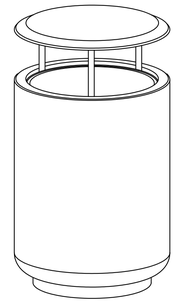
NO SCALE



ELEVATION



PLAN



LEGEND:

1. TRASH RECEPTACLE PER CONSTRUCTION LEGEND & PLANS
2. 23 GAL. PLASTIC LINER
3. HOVER LID WITH SECURITY STEEL CABLE AND TAMPER PROOF BOLT, COLOR BROWN
4. FINISHED GRADE
5. COMPACTED SUBGRADE PER SOILS REPORT
6. ADJACENT PAVING PER PLANS
7. 2" DRAIN HOLE

NOTES:

A. CONTRACTOR SHALL COORDINATE WITH MANUFACTURER FOR DELIVERY OF TRASH RECEPTACLES, AND SHALL INSTALL PER MANUFACTURERS RECOMMENDATIONS.
B. WHEN INSTALLED IN DECOMPOSED GRANITE, PROVIDE 4" DEPTH CONCRETE PAD AT A MIN 22" DIAMETER FOOTING

4 MONUMENT SIGN

NTS

LEGEND:

1. NATURAL STONE VENEER
2. ENAMEL PLAQUE WITH ZANJA IMAGE. EPOXY IN PLACE.
3. GROUT WITH 6x6 W2.1 WELDED WIRE MESH WITH MIN 1 1/2" CLEAR COVER
4. MORTAR SETTING BED
5. FINISH CAP SURFACE FOR POSITIVE DRAINAGE AND PREVENT PONDING
6. CONCRETE FOOTING
7. 24" SQUARE COLUMN, 8"x8"x16" CMU BLOCK. SOLID FILL BLOCKS & COLUMN INTERIOR
8. #5 REBAR, VERTICAL AT EACH CORNER WITH STANDARD HOOKS INTO FOOTING
9. #3 REBAR TIE AT 8" O.C.
10. ADJACENT FINISHED GRADE
11. COMPACTED SUBGRADE AT 95%
12. (4) #5 REBAR BOTTOM EACH WAY, EVENLY SPACED WITH 3" MINIMUM CLEAR ABOVE COMPACTED BASE

Accepted By:

GOUTAM K. DOBEY
CITY ENGINEER RCE 75646

12/19/2023
Date

INSPECTION NOTE

THE CITY OF REDLANDS ENGINEERING STAFF SHALL BE NOTIFIED 5-10 DAYS PRIOR TO THE START OF CONSTRUCTION. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.

LICENSED LANDSCAPE ARCHITECT GLEN A. SCHMIDT No. 2308
SIGNATURE
10-31-23
RENEWAL DATE
5/25/2023
DATE
STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:

SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
619.236.1462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

Letter	Description	Date	Initial	Initial
	Revisions			

PROJECT NO.:14-406
PLOT DATE: 5/25/2023
DRAWN BY: PR, LD, CT
CHECKED BY: CT,JJ

Approved By:

Tabitha Crocker
FACILITIES AND COMMUNITY SERVICES DIRECTOR
Date

Sheet 26 of 42 Sheets
Drawing No. LC-2.1

CITY OF REDLANDS

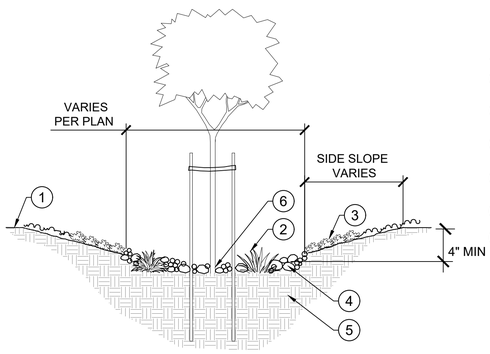
ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No.

LANDSCAPE CONSTRUCTION DETAILS

15/28
2301-LS

03/30/23 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

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LEGEND:

1. ADJACENT MATERIAL PER PLAN
2. PLANTING IN SWALE CENTER, PER PLANTING PLAN
3. PLANTING ON SIDE SLOPES, PER PLANTING PLAN
4. COBBLE AROUND PLANTING AT CENTER OF SWALE, PER PLAN
5. NATIVE SOIL
6. TREE PER PLANTING PLAN

NOTES:

A. LINE SWALE CENTER WITH MIXED COBBLES 4" MINIMUM SIZE, PER PLAN. PROVIDE HIGHER CONCENTRATION OF COBBLES AROUND INLETS.

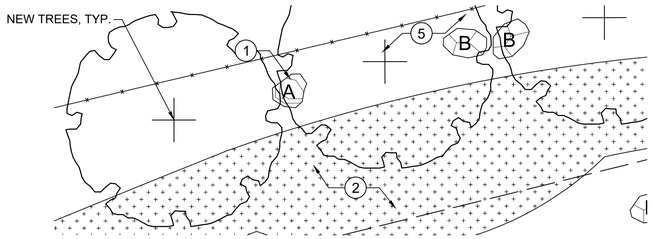
B. SEE PLAN FOR COBBLE LOCATIONS.

C. SWALE TO HAVE MINIMUM 3" MULCH COVER WHERE COBBLE COVER IS NOT PROVIDED.

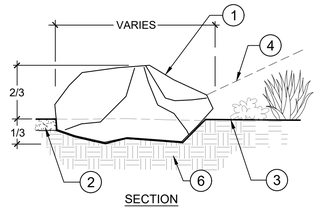
D. SEE PLANTING PLAN FOR SWALE PLANTING SCHEDULE.

1 VEGETATED SWALE

NO SCALE



PLAN SCALE: 1" = 10'



SECTION

LEGEND

1. 18" HIGH BOULDER SEAT WALL TYPE: 'SURFACE SELECT'. AVAILABLE THROUGH SOUTHWEST BOULDER AND STONE OR APPROVED EQUAL. APPROXIMATE SIZES:
   A - 4'X5'
   B - 3'X3'
2. ADJACENT DG PAVING PER CONSTRUCTION PLAN
3. FINISHED GRADE
4. SLOPE CONDITION WHERE OCCURS ON PLAN
5. ADJACENT PLANTING AREA
6. COMPACTED SUBGRADE TO 95% RELATIVE COMPACTION

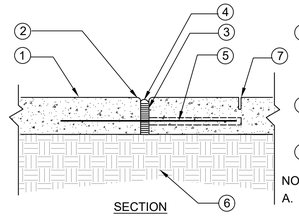
NOTES:

A. BOULDERS SHALL BE INSTALLED SO THAT NO ROCKING WILL OCCUR. ANY ROUGH OR JAGGED EDGES SHALL BE GROUND SMOOTH.

B. BURY BOULDERS BY 1/3 HEIGHT

2 BOULDER

NO SCALE



SECTION

LEGEND:

1. CONCRETE PAVING
2. 3/16 RADIUS - 1/4" DEPTH TOOLED EDGE
3. 1/4" FELT EXPANSION JOINT
4. POLYURETHANE SEALANT 'SONNEBORN' SL-2 SLOPE GRADE - CONFORM TO ASTM C920 TYPE M - GRADE T
5. 1/2" X 12" LONG SPEED DOWEL AT 36" ON CENTER MAX., ONE SIDE WITHIN SLEEVE FOR MOVEMENT AT ALL EXPANSION JOINTS.
6. COMPACTED SUBGRADE AT 95% RELATIVE COMPACTION PER GEOTECH REPORT
7. SCORE LINE, SAW CUT AT 1/2 INCH DEPTH TYPICAL

NOTES:

A. SEE LANDSCAPE CONSTRUCTION PLAN FOR EXPANSION JOINT LOCATIONS

B. AT A MINIMUM PROVIDE EXPANSION JOINTS FOR EVERY 400 SF OF CONTIGUOUS CONCRETE PAVING

C. SAND DRESS ALL EXPANSION JOINTS. COLOR TO MATCH ADJACENT CONCRETE. PROVIDE SAMPLE OF SEALANT WITH SAND APPLIED FOR APPROVAL.

3 EXPANSION / CONTROL JOINT

NO SCALE

STRUCTURAL NOTES:

DESIGN CRITERIA

1.	DESIGN BUILDING CODE	2022 CALIFORNIA BUILDING CODE
2.	RISK CATEGORY	II
3.	SEISMIC DESIGN CRITERIA:	
a.	SEISMIC IMPORTANCE FACTOR, I_e	1.00
b.	SPECTRAL RESPONSE PARAMETER, S_S	1.742
c.	SPECTRAL RESPONSE PARAMETER, S_1	0.699
d.	SITE CLASS	D
e.	DESIGN SHORT PERIOD ACCELERATION, S_{DS}	1.394
f.	DESIGN 1-SEC ACCELERATION, S_{D1}	-
g.	SEISMIC DESIGN CATEGORY	D
4.	WIND DESIGN CRITERIA:	
a.	BASIC WIND SPEED	96 MPH
b.	WIND EXPOSURE	C

FOUNDATION

1. THE STRUCTURE WILL BE LOCATED ENTIRELY ON UNDISTURBED NATIVE SOIL. IF THE BUILDING INSPECTOR SUSPECTS FILL, EXPANSIVE SOILS OR ANY GEOLOGIC INSTABILITY BASED UPON OBSERVATION OF THE FOUNDATION EXCAVATION, A SOILS OR GEOLOGIC REPORT, AND RESUBMITTAL OF PLANS TO PLAN CHECK TO VERIFY THAT THE REPORT RECOMMENDATIONS HAVE BEEN INCORPORATED.
2. THE ALLOWABLE SOIL BEARING PRESSURE USED FOR DESIGN IS 1,500 PSF FOR GRAVITY LOADS AND 2,000 PSF FOR LOADS WHICH INCLUDE WIND OR SEISMIC LOADING ASSUMING CLASS 5 FOUNDATION MATERIAL PER TABLE 1806.2 OF THE 2022 CALIFORNIA BUILDING CODE:

REINFORCED CONCRETE

1. CONCRETE SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH AT 28 DAYS OF 3,000 PSI.
2. MIX DESIGN REQUIREMENTS: MAXIMUM SLUMP SHALL BE 4" (MAXIMUM SLUMP OF 7" SHALL BE PERMITTED AFTER INTRODUCTION OF A WATER-REDUCING ADMIXTURE); MAXIMUM AGGREGATE SIZE SHALL BE 1"; MAXIMUM WATER/CEMENT RATIO SHALL BE 0.45.
3. ALL REINFORCING STEEL AND DOWELS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
4. CURING: CONCRETE SHALL BE MAINTAINED AT A MINIMUM TEMPERATURE OF 50 DEGREES FAHRENHEIT AND IN A MOST CONDITION FOR AT LEAST THE FIRST SEVEN DAYS AFTER PLACEMENT. CURING SHALL BE PERFORMED IN ACCORDANCE WITH OF THE METHODS PRESCRIBED IN ACI 308. SEE SPECIFICATIONS FOR COMPLETE CURING REQUIREMENTS.

CONCRETE MASONRY

1. CONCRETE MASONRY UNITS SHALL BE MEDIUM WEIGHT UNITS IN CONFORMANCE WITH ASTM C90, f'm = 1500 PSI.
2. MORTAR SHALL BE TYPE S IN CONFORMANCE WITH ASTM C270.
3. GROUT SHALL CONFORM TO ASTM C476, AND SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH AT 28 DAYS OF 2500 PSI. GROUT SHALL HAVE AN ADMIXTURE TO REDUCE SHRINKAGE.
4. ALL CELLS SHALL BE SOLID GROUTED.
5. WHEN GROUTING IS STOPPED FOR ONE HOUR OR LONGER, HORIZONTAL CONSTRUCTION JOINTS SHALL BE FORMED BY STOPPING THE GROUT POUR 1 1/2" BELOW THE TOP OF THE UPPERMOST UNIT.

REINFORCING STEEL

1. NON-WELDED STEEL BAR REINFORCING SHALL CONFORM TO ASTM A615, GRADE 60. WELDED STEEL BAR REINFORCING SHALL CONFORM TO ASTM A706.
2. WELDING OF REINFORCING STEEL SHALL BE PERFORMED BY A.W.S. QUALIFIED WELDERS IN CONFORMANCE WITH A.W.S. D.14 USING E90 SERIES ELECTRODES UNLESS OTHERWISE NOTED ON DRAWINGS.
3. MINIMUM CONCRETE COVER FOR REINFORCING STEEL SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED ON THE DRAWINGS:

CONCRETE CAST AGAINST EARTH	3"
FORMED CONCRETE EXPOSED TO EARTH	2"
CONCRETE EXPOSED TO WEATHER	2"

4. BAR LAP SPLICE LENGTHS FOR BARS INSTALLED IN CONCRETE SHALL BE 48 BAR DIAMETERS UNLESS OTHERWISE NOTED ON THE DRAWINGS.
5. ALL DETAILING, FABRICATION AND ERECTION OF REINFORCING STEEL SHALL CONFORM TO THE LATEST EDITION OF ACI 315, DETAILS AND DETAILING OF CONCRETE REINFORCEMENT.

SPECIAL INSPECTION AND TESTING

1. SPECIAL INSPECTION IS REQUIRED PER CHAPTER 17 OF THE 2022 CALIFORNIA BUILDING CODE AND AS SUMMARIZED BELOW. THE OWNER SHALL EMPLOY A SPECIAL INSPECTION AGENCY APPROVED BY THE BUILDING OFFICIAL PRIOR TO THE START OF WORK. COPIES OF ALL INSPECTION REPORTS SHALL BE SUBMITTED TO THE ARCHITECT OF RECORD, STRUCTURAL ENGINEER OF RECORD, AND CITY BUILDING OFFICIAL IN A TIMELY MANNER.
2. THE SPECIAL INSPECTIONS IDENTIFIED ON THE PLANS ARE IN ADDITION TO, AND NOT A SUBSTITUTE FOR, THOSE INSPECTIONS REQUIRED TO BE PERFORMED BY A CITY BUILDING INSPECTOR.
3. CONTINUOUS INSPECTION SHALL BE PROVIDED DURING THE PERFORMANCE OF WORK REQUIRING SPECIAL INSPECTION , UNLESS OTHERWISE NOTED. WHEN WORK IN MORE THAN ONE CATEGORY OF WORK REQUIRING SPECIAL INSPECTION IS TO BE PERFORMED SIMULTANEOUSLY, OR THE GEOGRAPHIC LOCATION OF THE WORK IS SUCH THAT IT CANNOT BE CONTINUOUSLY OBSERVED, IT SHALL BE THE RESPONSIBILITY OF THE AGENT TO EMPLOY A SUFFICIENT NUMBER OF SPECIAL INSPECTORS TO ASSURE THAT ALL WORK IS CONTINUOUSLY INSPECTED IN ACCORDANCE WITH THOSE PROVISIONS.
4. THE SPECIAL INSPECTORS SHALL BE CERTIFIED BY THE CITY OF REDLANDS TO PERFORM THE CATEGORY OF SPECIAL INSPECTION SPECIFIED.
5. THE CONTRACTOR SHALL NOTIFY THE SPECIAL INSPECTOR OR INSPECTION AGENCY AT LEAST TWO (2) WORKING DAYS PRIOR TO PERFORMING ANY WORK THAT REQUIRES SPECIAL INSPECTION.
6. THE CONTRACTOR SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY FOR CONSTRUCTION OF ITEMS LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN: (1) ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS; (2) ACKNOWLEDGEMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL; (3) PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION; (4) THE METHOD AND FREQUENCY OF REPORTING AND DISTRIBUTION OF THE SPECIAL INSPECTION REPORTS; AND (5) IDENTIFICATION AND QUALIFICATIONS OF THE PERSON OR PERSONS EXERCISING SUCH CONTROL AND THEIR POSITION IN THE ORGANIZATION.

STATEMENT OF SPECIAL INSPECTIONS

CBC REF	DESCRIPTION OF TYPE OF INSPECTION REQUIRED, LOCATION, REMARKS, ET CETERA	DESIGN STRENGTH
1705.3	CONCRETE CONSTRUCTION CONTINUOUS INSPECTIONS: INSPECT BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE; AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE; INSPECTION OF CONCRETE FOR PROPER APPLICATION TECHNIQUES. PERIODIC INSPECTIONS: INSPECTION OF REINFORCING STEEL AND PLACEMENT; VERIFICATION OF USE OF REQUIRED DESIGN MIX; INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES; INSPECT FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	f'c = 3000 PSI
1705.4	CONCRETE MASONRY CONSTRUCTION: LEVEL 1 QUALITY ASSURANCE PER TABLE 3.1. OF TMS 402–16 AND TABLE 3 OF TMS 602–16. MINIMUM VERIFICATION FOR QUALITY ASSURANCE: PRIOR TO CONSTRUCTION, VERIFY COMPLIANCE OF SUBMITTALS. MINIMUM SPECIAL INSPECTION: NOT REQUIRED.	f'm = 1500 PSI

CONSTRUCTION SPECIFICATIONS

PART 1 GENERAL

1.1 PREINSTALLATION MEETINGS
A. PREINSTALLATION CONFERENCE: CONDUCT CONFERENCE AT PROJECT SITE.

1.2 GENERAL CLEANUP
A. THE SITE SHALL BE KEPT CLEAN AND FREE OF DEBRIS THROUGHOUT THE INSTALLATION. EMPTY BARRELS, SACKS, BAGS AND REMNANT MATERIALS SHALL BE STORED OR DISPOSED DAILY IN A PROPER CONTAINER OR LEGAL MANNER.
B. AFTER COMPLETION OF THE ENTIRE PROJECT, THE SITE SHALL HAVE A GENERAL CLEANUP REMOVING ALL DEBRIS REMAINING ON THE SITE THAT IS NOT A PART OF THE FINAL PROJECT.

1.3 WARRANTY: IN ADDITION TO MANUFACTURERS' GUARANTEES OR WARRANTIES, ALL WORK SHALL BE WARRANTED FOR ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP BY CONTRACTOR. WARRANTY SHALL ALSO COVER REPAIR OF DAMAGE TO ANY PART OF THE PREMISES.

CONCRETE

PART 1 GENERAL

1.1 SUMMARY
A. SECTION INCLUDES CONCRETE PAVING, INCLUDING THE FOLLOWING:
1. CONCRETE WALKS AND PAVING
2. COLORED CONCRETE PAVING
3. CONCRETE MOW CURBS
4. CONCRETE BANDING
5. FOOTINGS

1.2 SUBMITTALS
A. DESIGN MIXTURES: FOR EACH CONCRETE PAVING MIXTURE. INCLUDE ALTERNATE DESIGN MIXTURES WHEN CHARACTERISTICS OF MATERIALS, PROJECT CONDITIONS, WEATHER, TEST RESULTS, OR OTHER CIRCUMSTANCES WARRANT ADJUSTMENTS.
B. QUALIFICATION DATA: FOR QUALIFIED READY-MIX CONCRETE MANUFACTURER AND TESTING AGENCY.
C. MATERIAL CERTIFICATES: FOR THE FOLLOWING, FROM MANUFACTURER:
1. CEMENTITIOUS MATERIALS.
2. STEEL REINFORCEMENT AND REINFORCEMENT ACCESSORIES.
3. FIBER REINFORCEMENT.
4. ADMIXTURES.
5. CURING COMPOUNDS.
6. APPLIED FINISH MATERIALS.
7. BONDING AGENT OR EPOXY ADHESIVE.
8. JOINT FILLERS.
D. MOCKUPS: BUILD MOCKUPS FOR EACH TYPE OF PRODUCT, INGREDIENT, OR ADMIXTURE REQUIRING COLOR SELECTION. BUILD MOCKUPS OF FULL-THICKNESS SECTIONS OF CONCRETE PAVING TO DEMONSTRATE TYPICAL JOINTS; SURFACE FINISH, TEXTURE, AND COLOR; CURING; AND STANDARD OF WORKMANSHIP. BUILD MOCKUPS OF CONCRETE PAVING IN THE LOCATION AND OF THE SIZE INDICATED OR, IF NOT INDICATED, BUILD MOCKUPS WHERE DIRECTED BY ARCHITECT AND NOT LESS THAN 24 INCHES BY 24 INCHES.

PART 2 PRODUCTS

2.1 MATERIALS
A. ACI PUBLICATIONS: COMPLY WITH ACI 301UNLESS OTHERWISE INDICATED.
B. STEEL REINFORCEMENT:
1. STEEL WELDED-WIRE REINFORCEMENT: ASTM A 1064/A 1064M, FABRICATED AS-DRAWN FROM STEEL WIRE INTO FLAT SHEETS.
2. REINFORCING BARS: ASTM A 615/A 615M, GRADE 60; DEFORMED.
3. JOINT DOWEL BARS: ASTM A 615/A 615M, GRADE 60 PLAIN-STEEL BARS. CUT BARS TRUE TO LENGTH WITH ENDS SQUARE AND FREE OF BURRS.
4. TIE BARS: ASTM A 615/A 615M, GRADE 60; DEFORMED.
C. CONCRETE MATERIALS -CEMENTITIOUS MATERIALS: USE THE FOLLOWING CEMENTITIOUS MATERIALS, OF SAME TYPE, BRAND, AND SOURCE THROUGHOUT PROJECT:
1. PORTLAND CEMENT: ASTM C 150/C 150M, GRAY PORTLAND CEMENT TYPE I OR TYPE II.
2. FLY ASH: ASTM C 618, CLASS C OR CLASS F.
3. SLAG CEMENT: ASTM C 989/C 989M, GRADE 100 OR 120.
D. NORMAL-WEIGHT AGGREGATES: ASTM C 33/C 33M, UNIFORMLY GRADED. PROVIDE AGGREGATES FROM A SINGLE SOURCE.
1. FINE AGGREGATE: FREE OF MATERIALS WITH DELETERIOUS REACTIVITY TO ALKALI IN CEMENT.
E. EXPOSED AGGREGATE: SELECTED, HARD, AND DURABLE; WASHED; FREE OF MATERIALS WITH DELETERIOUS REACTIVITY TO CEMENT OR THAT CAUSE STAINING; FROM A SINGLE SOURCE. WITH GAP-GRADED COARSE AGGREGATE.
F. AIR-ENTRAINING ADMIXTURE: ASTM C 260/C 260M.
G. CHEMICAL ADMIXTURES: ADMIXTURES CERTIFIED BY MANUFACTURER TO BE COMPATIBLE WITH OTHER ADMIXTURES AND TO CONTAIN NOT MORE THAN 0.1 PERCENT WATER-SOLUBLE CHLORIDE IONS BY MASS OF CEMENTITIOUS MATERIAL.
1. WATER-REDUCING ADMIXTURE: ASTM C 494/C 494M, TYPE A.
2. RETARDING ADMIXTURE: ASTM C 494/C 494M, TYPE B.
3. PLASTICIZING AND RETARDING ADMIXTURE: ASTM C 1017/C 1017M, TYPE II.
H. COLOR PIGMENT: ASTM C 979/C 979M, SYNTHETIC MINERAL-OXIDE PIGMENTS OR COLORED WATER-REDUCING ADMIXTURES; COLOR STABLE, NONFADING, AND RESISTANT TO LIME AND OTHER ALKALIS.

2.2 CONCRETE MIXTURES
A. PREPARE DESIGN MIXTURES, PROPORTIONED ACCORDING TO ACI 301, FOR EACH TYPE AND STRENGTH OF NORMAL-WEIGHT CONCRETE, AND AS DETERMINED BY EITHER LABORATORY TRIAL MIXTURES OR FIELD EXPERIENCE.

PART 3 EXECUTION

3.1 EDGE FORMS AND SCREED CONSTRUCTION
A. SET, BRACE, AND SECURE EDGE FORMS, BULKHEADS, AND INTERMEDIATE SCREED GUIDES TO REQUIRED LINES, GRADES, AND ELEVATIONS. INSTALL FORMS TO ALLOW CONTINUOUS PROGRESS OF WORK AND SO FORMS CAN REMAIN IN PLACE AT LEAST 24 HOURS AFTER CONCRETE PLACEMENT.

3.2 STEEL REINFORCEMENT INSTALLATION
A. GENERAL: COMPLY WITH CRSI'S "MANUAL OF STANDARD PRACTICE" FOR FABRICATING, PLACING, AND SUPPORTING REINFORCEMENT.
B. INSTALL WELDED-WIRE REINFORCEMENT IN LENGTHS AS LONG AS PRACTICABLE. LAP ADJOINING PIECES AT LEAST ONE FULL MESH, AND LACE SPLICES WITH WIRE. OFFSET LAPS OF ADJOINING WIDTHS TO PREVENT CONTINUOUS LAPS IN EITHER DIRECTION.

3.3 JOINTS
A. GENERAL: FORM CONSTRUCTION, ISOLATION, AND CONTRACTION JOINTS AND TOOL EDGES TRUE TO LINE, WITH FACES PERPENDICULAR TO SURFACE PLANE OF CONCRETE. CONSTRUCT TRANSVERSE JOINTS AT RIGHT ANGLES TO CENTERLINE UNLESS OTHERWISE INDICATED.
1. WHEN JOINING EXISTING PAVING, PLACE TRANSVERSE JOINTS TO ALIGN WITH PREVIOUSLY PLACED JOINTS UNLESS OTHERWISE INDICATED.
B. CONSTRUCTION JOINTS: SET CONSTRUCTION JOINTS AT SIDE AND END TERMINATIONS OF PAVING AND AT LOCATIONS WHERE PAVING OPERATIONS ARE STOPPED FOR MORE THAN ONE-HALF HOUR UNLESS PAVING TERMINATES AT ISOLATION JOINTS.
1. CONTINUE STEEL REINFORCEMENT ACROSS CONSTRUCTION JOINTS UNLESS OTHERWISE INDICATED. DO NOT CONTINUE REINFORCEMENT THROUGH SIDES OF PAVING STRIPS UNLESS OTHERWISE INDICATED.
2. PROVIDE TIE BARS AT SIDES OF PAVING STRIPS WHERE INDICATED.
3. DOWELED EXPANSION JOINTS: INSTALL DOWEL BARS AND SUPPORT ASSEMBLIES AT JOINTS WHERE INDICATED. LUBRICATE OR COAT WITH ASPHALT ONE-HALF OF DOWEL LENGTH TO PREVENT CONCRETE BONDING TO ONE SIDE OF JOINT.

3.4 CONCRETE PLACEMENT
A. COMPLY WITH ACI 301 REQUIREMENTS FOR MEASURING, MIXING, TRANSPORTING, AND PLACING CONCRETE.
B. DO NOT ADD WATER TO CONCRETE DURING DELIVERY OR AT PROJECT SITE. DO NOT ADD WATER TO FRESH CONCRETE AFTER TESTING.
C. DEPOSIT AND SPREAD CONCRETE IN A CONTINUOUS OPERATION BETWEEN TRANSVERSE JOINTS. DO NOT PUSH OR DRAG CONCRETE INTO PLACE OR USE VIBRATORS TO MOVE CONCRETE INTO PLACE.
D. CONSOLIDATE CONCRETE ALONG FACE OF FORMS AND ADJACENT TO TRANSVERSE JOINTS WITH AN INTERNAL VIBRATOR. KEEP VIBRATOR AWAY FROM JOINT ASSEMBLIES, OR SIDE FORMS. USE ONLY SQUARE-FACED SHOVELS FOR HAND SPREADING AND CONSOLIDATION. CONSOLIDATE WITH CARE TO PREVENT DISLOCATING REINFORCEMENT, DOWELS AND JOINT DEVICES.
E. SCREED PAVING SURFACE WITH A STRAIGHTEDGE AND STRIKE OFF.
F. COMMENCE INITIAL FLOATING USING BULL FLOATS OR DARBIES TO IMPART AN OPEN-TEXTURED AND UNIFORM SURFACE PLANE BEFORE EXCESS MOISTURE OR BLEEDWATER APPEARS ON THE SURFACE. DO NOT FURTHER DISTURB CONCRETE SURFACES BEFORE BEGINNING FINISHING OPERATIONS OR
G. FINISHES
1. MEDIUM-TO-FINE-TEXTURED BROOM FINISH: DRAW A SOFT-BRISTLE BROOM ACROSS FLOAT-FINISHED CONCRETE SURFACE, PERPENDICULAR TO LINE OF TRAFFIC, TO PROVIDE A UNIFORM, FINE-LINE TEXTURE.
2. GRACE TOP CAST FINISH PER PLANS
3. LITHOCRETE FINISH PER PLANS

3.5 CONCRETE PROTECTION AND CURING
A. BEGIN CURING AFTER FINISHING CONCRETE BUT NOT BEFORE FREE WATER HAS DISAPPEARED FROM CONCRETE SURFACE.

3.6 PAVING TOLERANCES
A. COMPLY WITH TOLERANCES IN ACI 117.

3.7 FIELD QUALITY CONTROL
A. TESTING AGENCY: ENGAGE A QUALIFIED TESTING AGENCY TO PERFORM TESTS AND INSPECTIONS.
B. TESTING SERVICES: TESTING AND INSPECTING OF COMPOSITE SAMPLES OF FRESH CONCRETE OBTAINED ACCORDING TO ASTM C 172/C 172M SHALL BE PERFORMED ACCORDING TO THE FOLLOWING REQUIREMENTS:
1. TESTING FREQUENCY: OBTAIN AT LEAST ONE COMPOSITE SAMPLE FOR EACH 100 CU. YD. OR FRACTION THEREOF OF EACH CONCRETE MIXTURE PLACED EACH DAY.
a. WHEN FREQUENCY OF TESTING WILL PROVIDE FEWER THAN FIVE COMPRESSIVE-STRENGTH TESTS FOR EACH CONCRETE MIXTURE, TESTING SHALL BE CONDUCTED FROM AT LEAST FIVE RANDOMLY SELECTED BATCHES OR FROM EACH BATCH IF FEWER THAN FIVE ARE USED.
2. SLUMP: ASTM C 143/C 143M; ONE TEST AT POINT OF PLACEMENT FOR EACH COMPOSITE SAMPLE, BUT NOT LESS THAN ONE TEST FOR EACH DAY'S POUR OF EACH CONCRETE MIXTURE. PERFORM ADDITIONAL TESTS WHEN CONCRETE CONSISTENCY APPEARS TO CHANGE.
3. COMPRESSION TEST SPECIMENS: ASTM C 31/C 31M; CAST AND LABORATORY CURE ONE SET OF THREE STANDARD CYLINDER SPECIMENS FOR EACH COMPOSITE SAMPLE.
4. COMPRESSIVE-STRENGTH TESTS: ASTM C 39/C 39M; TEST ONE SPECIMEN AT SEVEN DAYS AND TWO SPECIMENS AT 28 DAYS.
a. A COMPRESSIVE-STRENGTH TEST SHALL BE THE AVERAGE COMPRESSIVE STRENGTH FROM TWO SPECIMENS OBTAINED FROM SAME COMPOSITE SAMPLE AND TESTED AT 28 DAYS.
C. STRENGTH OF EACH CONCRETE MIXTURE WILL BE SATISFACTORY IF AVERAGE OF ANY THREE CONSECUTIVE COMPRESSIVE-STRENGTH TESTS EQUALS OR EXCEEDS SPECIFIED COMPRESSIVE STRENGTH AND NO COMPRESSIVE-STRENGTH TEST VALUE FALLS BELOW SPECIFIED COMPRESSIVE STRENGTH BY MORE THAN 500 PSI.
D. TEST RESULTS SHALL BE REPORTED IN WRITING TO ARCHITECT, CONCRETE MANUFACTURER, AND CONTRACTOR WITHIN 48 HOURS OF TESTING. REPORTS OF COMPRESSIVE-STRENGTH TESTS SHALL CONTAIN PROJECT IDENTIFICATION NAME AND NUMBER, DATE OF CONCRETE PLACEMENT, NAME OF CONCRETE TESTING AND INSPECTING AGENCY, LOCATION OF CONCRETE BATCH IN WORK, DESIGN COMPRESSIVE STRENGTH AT 28 DAYS, CONCRETE MIXTURE PROPORTIONS AND MATERIALS, COMPRESSIVE BREAKING STRENGTH, AND TYPE OF BREAK FOR BOTH 7- AND 28-DAY TESTS.

3.8 REPAIR AND PROTECTION
A. REMOVE AND REPLACE CONCRETE PAVING THAT IS BROKEN, DAMAGED, OR DEFECTIVE OR THAT DOES NOT COMPLY WITH REQUIREMENTS IN THIS SECTION. REMOVE WORK IN COMPLETE SECTIONS FROM JOINT TO JOINT UNLESS OTHERWISE APPROVED BY ARCHITECT.
B. MAINTAIN CONCRETE PAVING FREE OF STAINS, DISCOLORATION, DIRT, AND OTHER FOREIGN MATERIAL. SWEEP PAVING NOT MORE THAN TWO DAYS BEFORE DATE SCHEDULED FOR SUBSTANTIAL COMPLETION INSPECTIONS.

-END OF SECTION-

Accepted By:

GOUTAM K. DOBEY
CITY ENGINEER RCE 75646

12/19/2023
Date

INSPECTION NOTE

THE CITY OF REDLANDS ENGINEERING STAFF SHALL BE NOTIFIED 5-10 DAYS PRIOR TO THE START OF CONSTRUCTION. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.

LICENSED LANDSCAPE ARCHITECT
GLENN A. SCHMIDT No. 4939
SIGNATURE
10-31-23
RENEWAL DATE
5/25/2023
DATE
STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:

SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
619.236.1462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

Letter	Description	Date	Initial	Initial

Revisions

CITY OF REDLANDS

ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No.

LANDSCAPE CONSTRUCTION DETAILS AND SPECS

16/28

PROJECT NO.:14-406
PLOT DATE: 5/25/2023
DRAWN BY: PR, LD, CT
CHECKED BY: CT,JJ

Approved By:

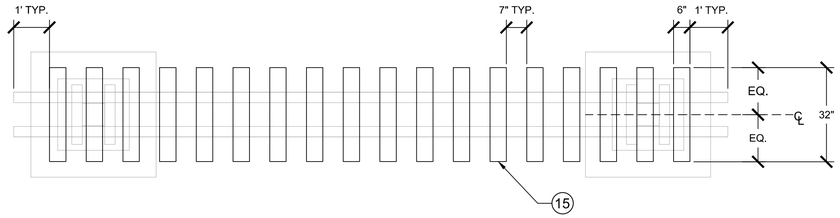
Tabitha Crocker
FACILITIES AND COMMUNITY SERVICES DIRECTOR
Date

Sheet 27 of 42 Sheets
Drawing No. LC-2.2

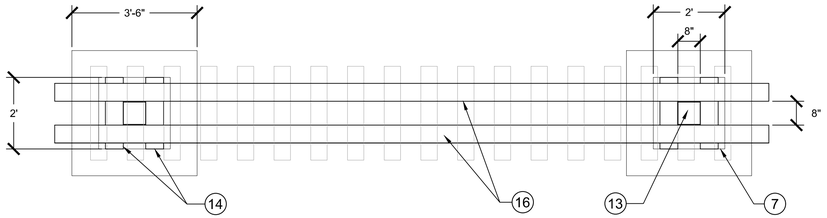
2301-LS

03/30/23 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

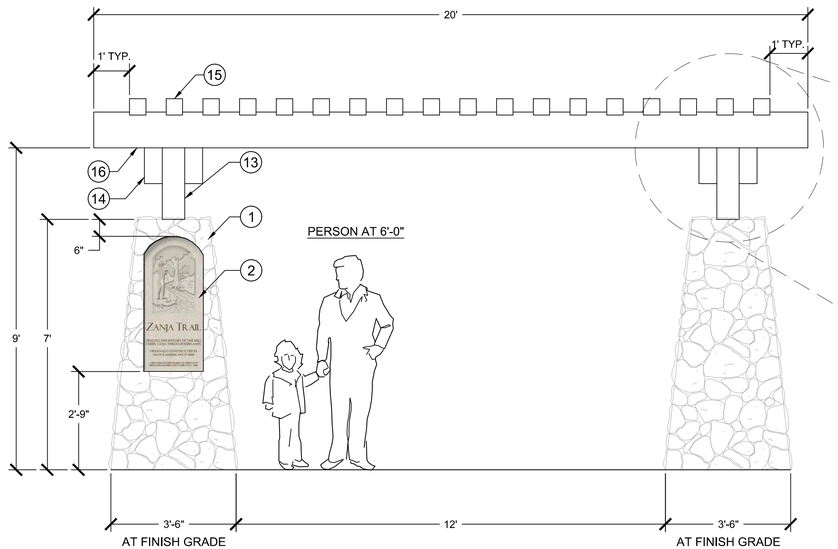
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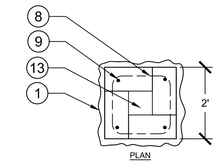
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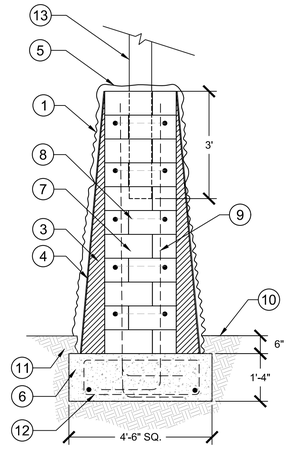
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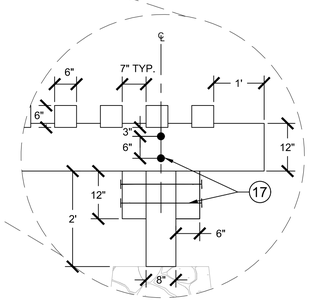
ELEVATION FACING 9TH STREET



PLAN

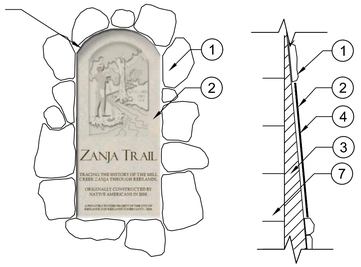


SECTION

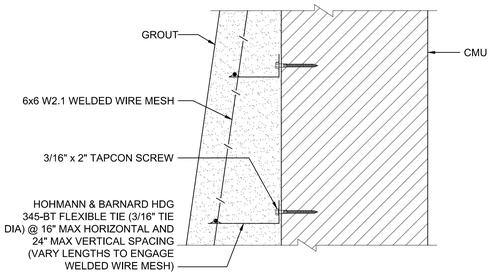


ENLARGEMENT

CONTRACTOR TO SELECT STONES WITH STRAIGHT NATURAL EDGES AROUND ENAMEL SIGN. CONTRACTOR SHALL NOT SAW CUT STONE VENEER TO FIT AROUND ENAMEL SIGN



ENAMEL PLAQUE ENLARGEMENT & SECTION



GROUT ANCHOR ENLARGEMENT & SECTION

LEGEND:

1. NATURAL STONE VENEER
2. GRANITE PLAQUE WITH ENGRAVED AND PAINTED TEXT.
   2-1/2" CAPITALS & 2" HT. LARGE TEXT, FONT 'FELIX TITLING.'
   ¼": DESCRIPTIVE TEXT, FONT 'CALIFORNIA FB.'
   ¾": FUNDING TEXT, FONT 'CALIFORNIA FB.'
   EPOXY IN PLACE.SEE DETAIL 3/LC-2.2
3. GROUT WITH 6X6 W2.1 WELDED WIRE MESH
4. MORTAR SETTING BED
5. FINISH CAP SURFACE FOR POSITIVE DRAINAGE AND PREVENT PONDING
6. CONCRETE FOOTING
7. 24" SQUARE COLUMN, 8"X8"X16" CMU BLOCK SOLID FILL BLOCKS AND COLUMN INTERIOR
8. #3 REBAR TIE AT 8" O.C.
9. (4) #5 REBAR, VERTICAL AT EACH CORNER WITH STANDARD HOOKS INTO FOOTING
10. ADJACENT FINISHED GRADE
11. COMPACTED SUBGRADE AT 95% PER SOILS REPORT
12. (6) #5 REBAR AT EACH WAY, EVENLY SPACED TOP AND BOTTOM WITH 3" MINIMUM CLEAR ABOVE COMPACTED BASE
13. 8" X 8" ROUGH SAWN REDWOOD, NO. 1 GRADE
14. 12" X 6" X 1'-8" LONG ROUGH SAWN REDWOOD, NO. 1 GRADE
15. 6" X 6" X 2'-8" LONG ROUGH SAWN REDWOOD, NO. 1 GRADE, NOTCH 1" AND FASTEN TO BEAM WITH WOOD GLUE AND 1/2" DIAMETER HOT-DIPPED GALVANIZED ASTM A307 LAG SCREW WITH 4" MINIMUM EMBEDMENT INTO ITEM 16
16. 12" X 6" X 20'-0" LONG ROUGH SAWN REDWOOD, NO. 1 GRADE
17. (2) 1" DIAMETER HOT-DIPPED GALVANIZED ASTM A307 THRU-BOLT WITH HOT-DIPPED GALVANIZED PLATE WASHERS AND NUTS

NOTES:

A. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS AND MATERIAL SAMPLES TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO FABRICATION OF PLAQUE AND MONUMENT.
B. CONTRACTOR SHALL COORDINATE WITH LANDSCAPE ARCHITECT TO OBTAIN DIGITAL ARTWORK FILE FOR FABRICATION.

Accepted By:

GOUTAM K. DOBEY
CITY ENGINEER RCE 75646

12/19/2023
Date

INSPECTION NOTE

THE CITY OF REDLANDS ENGINEERING STAFF SHALL BE NOTIFIED 5-10 DAYS PRIOR TO THE START OF CONSTRUCTION. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.

1 GATEWAY SIGN
1/2" = 1'-0"

LICENSED LANDSCAPE ARCHITECT — LEORA SCHMIDT No. 6139 — SIGNATURE — 10-31-23 RENEWAL DATE — 5/25/2023 DATE — STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:

SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
619.236.1462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

Letter	Description	Date	Initial	Initial

Revisions

PROJECT NO.:14-406
PLOT DATE: 5/25/2023
DRAWN BY: PR, LD, CT
CHECKED BY: CT,JJ

Approved By:

Tabitha Crocker
FACILITIES AND COMMUNITY SERVICES DIRECTOR

Date

Sheet 28 of 42 Sheets
Drawing No. LC-2.3

CITY OF REDLANDS

ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No.

LANDSCAPE CONSTRUCTION DETAILS

17/28
2301-LS

03/30/23 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

D:\Archive-Projects\400 projects\14-406 Mill Creek Zanja Trail Greenway\06-CD's\Zanja Phase 2\14-406 S-CON DETL PH2.dwg 08/18/2023 09:18

GENERAL IRRIGATION NOTES:

1. THE IRRIGATION SYSTEM DESIGN IS BASED ON AN AVAILABLE WATER PRESSURE OF 75 PSI AT CITY METER. SYSTEM IS DESIGNED FOR POTABLE WATER WITH 'PURPLE' COMPONENTS FOR FUTURE RECYCLED WATER CONVERSION. CONTRACTOR SHALL VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION AND REPORT ANY DIFFERENCES TO THE OWNER'S REPRESENTATIVE.

   WATER COMPANY: MUED (CITY OF REDLANDS MUNICIPAL UTILITIES & ENGINEERING DPT)
   PHONE: (909) 798-7698
   ELECTRICAL UTILITY: SCE (SOUTHERN CALIFORNIA EDISON)
   PHONE: (800) 655-4555

2. CONTRACTOR WILL BE RESPONSIBLE FOR ANY CITY BUILDING PERMITS OR ENCROACHMENT EASEMENT PERMITS NECESSARY FOR WORK.

3. CONTRACTOR SHALL REVIEW IRRIGATION SPECIFICATIONS PRIOR TO BEGINNING WORK. REFER TO TECHNICAL SPECIFICATIONS AND CONSTRUCTION DETAILS FOR INSTALLATION PROCEDURES.

4. THE IRRIGATION SYSTEM IS SHOWN DIAGRAMMATIC ALLY FOR CLARITY. LOCATE ALL PIPING, VALVES, AND OTHER IRRIGATION EQUIPMENT WITHIN PLANTING AREAS UNLESS NOTED OR DIRECTED OTHERWISE. LOCATE ALL VALVES AND VALVE BOXES SIX INCHES FROM EDGE OF PAVING OR CURB, TYPICAL

5. EXISTING UTILITIES AND FIELD CONDITIONS: PRIOR TO EXCAVATION, LOCATE ALL CABLES, CONDUITS, AND UNDERGROUND UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR AN UNDERGROUND UTILITY SERVICE TO LOCATE AND MARK UTILITIES. CONTRACTOR WILL TAKE PROPER PRECAUTIONS NOT TO DAMAGE OR DISTURB SUCH UNDERGROUND IMPROVEMENTS. NOTIFY THE RESIDENT ENGINEER IMMEDIATELY IF A CONFLICT EXISTS BETWEEN SUCH OBSTACLES AND THE PROPOSED WORK. PROCEED IN SAME MANNER IF ROCK LAYERS OR ANY OTHER CONDITIONS ENCOUNTERED UNDERGROUND MAKE CHANGES ADVISABLE.

6. EXISTING AUTOMATIC IRRIGATION CONTROLLER TO BE UPGRADED TO 200 STATION. CONTRACTOR TO UPGRADE WITH ASSISTANCE FROM IRRIGATION CONTROLLER CONSULTANT NOTED ON PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONNECTION OF ALL FIELD WIRES TO APPROPRIATE TERMINAL STRIPS. CONTRACTOR TO ENSURE SERVICE TO EXISTING PLANTING AREAS IS CONTINUAL DURING UPGRADE.

7. ALL PIPING AND WIRING UNDER ROADWAYS AND PAVING AND THROUGH WALLS SHALL BE SLEEVED.

8. USE TWO WRAPS OF THREE-QUARTER INCH (3/4") TEFLON TAPE FOR ALL THREADED VALVE CONNECTIONS.

9. PROVIDE PULL BOXES FOR CONTROL WIRING AT ALL CHANGES IN DIRECTION GREATER THAN FORTY-FIVE (45) DEGREES AND WHERE WIRE RUNS EXCEED TWO HUNDRED FEET (200') IN LENGTH. WIRE SPLICES SHALL BE MADE IN PULL BOXES OR CONTROL VALVE BOXES ONLY.

10. ADJUST ALL SPRINKLERS TO AVOID OVERSPRAY ONTO WALLS, WALKS, STREETS, UTILITY BOXES, BUILDINGS AND OTHER IMPROVEMENTS.

11. ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO THE FINISH GRADE OF THE AREA TO BE IRRIGATED UNLESS OTHERWISE DESIGNED ON THE PLANS.

12. CONTRACTOR SHALL INSTALL IN-LINE ANTI-DRAIN VALVES AS WARRANTED BY SITE CONDITIONS TO ALLEVIATE LOW HEAD DRAINAGE.

13. THE CONTRACTOR SHALL NOT WILLFULLY INSTALL IRRIGATION SHOWN ON DRAWINGS WHEN IN-FIELD OBSTRUCTIONS, GRADE DIFFERENCES OR DIFFERENCES IN THE AREA DIMENSION INTERFERE WITH PLAN LAYOUT. SUCH OBSTRUCTIONS OR DIFFERENCES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT AND OWNERS REPRESENTATIVE. IN THE EVENT THIS NOTIFICATION IS NOT PERFORMED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REVISIONS NECESSARY.

14. THE CONTRACTOR SHALL KEEP AN UP-TO-DATE COMPLETE "AS-BUILT" RECORD SET OF PRINTS WHICH SHALL BE UPDATED DAILY AND SHOW EVERY CHANGE FROM THE ORIGINAL DESIGN. BEFORE THE TIME OF FINAL INSPECTION, THE CONTRACTOR SHALL TRANSFER ALL INFORMATION FROM THE PRINTS TO A SET OF REPRODUCIBLE DRAWINGS, PROCURED FROM THE CITY. ALL WORK SHALL BE NEAT AND LEGIBLE.

15. INSTALL IRRIGATION HEADS IN SHRUB AREAS 1" MIN. FROM WALKS AND HARDSCAPE AREAS.

16. LATERAL LINE END RUNS SHALL BE 3/4" UNLESS OTHERWISE NOTED.

17. ALL CONTROL VALVES SHALL BE MANIFOLD AND GROUPED IN GENERAL AREAS SHOWN ON THE PLAN. VALVES SHALL BE LOCATED IN PLANTING AREAS AND IMMEDIATELY ADJACENT TO WALKS, CURBS, OR PAVING AREAS AND SET AT RIGHT ANGLES TO EDGES. INSTALL VALVES BOXES 6" FROM EDGES OF HARDSCAPE AREAS AND TRAIL.

18. CONTRACTOR SHALL INSTALL A SPARE CONTROL WIRE AT EACH VALVE MANIFOLD LOCATION UNLESS OTHERWISE NOTED ON THE PLAN. PULL WIRE INTO VALVE BOX AND COIL FOR FUTURE USE.

19. IRRIGATION LINES SHALL BE INSTALLED IN PLANTING AREAS WHERE EVER FEASIBLE AND WITHIN 12" OF PLANTING AREA EDGES UNLESS SHOWN OTHERWISE.

20. CONTRACTOR SHALL HEAT BRAND ALL PLASTIC VALVES BOXES WITH THE FOLLOWING LABELS. ALL LETTERS SHALL BE ONE INCH (1") HIGH. LETTERING ON VALVE BOX LIDS SHALL BE PLACED ON THE SAME LOCATION ON EACH VALVE BOX LID, AND ALL LABELING SHALL FACE THE SAME DIRECTION.

    CONTROL VALVE BOXES SHALL BE LABELED CONSECUTIVELY 1,2,3,ETC
    QUICK COUPLER VALVE BOXES SHALL BE LABELED "QCV"
    STUB OUT BOXES SHALL BE LABELED "SO"
    EXTRA CONTROL WIRE BOXES SHALL BE LABELED "LVW"
    FLOW SENSING CABLE BOXES SHALL BE LABELED "COM"

21. ALL BOLTS FOR LOCKING VALVE BOX LIDS SHALL BE STAINLESS STEEL.

22. CONTRACTOR SHALL CONTACT OWNER'S REPRESENTATIVE PRIOR TO ANY TRENCHING OPERATIONS TO DISCUSS TRENCHING OPERATIONS AROUND TREES AND PLANT MATERIAL TRIMMING REQUIREMENTS.

23. IF NEEDED; ONLY A LICENSED CERTIFIED ARBORIST WILL BE ALLOWED TO TRIM EXISTING PLANT MATERIAL PRIOR TO COMMENCEMENT OF TRENCHING OPERATIONS NEAR TREES. CONTRACTOR SHALL GIVE CONSTRUCTION MANAGER TWO WEEKS NOTICE PRIOR TO TRENCHING.

24. WHERE TRENCHING NEAR TREE ROOTS, TAKE EXTREME CAUTION. NOTIFY CITY LANDSCAPE INSPECTOR WHEN TRENCHING OPERATIONS HAVE SEVERED TREE ROOTS GREATER THAN THREE INCHES IN DIAMETER.

25. CONTRACTOR TO BACKFILL AND COMPACT TRENCHES. TOP 4" OF TRENCH BACKFILL SHALL BE WITH AMENDED TOPSOIL. GRADE TRENCH LINES TO MATCH GRADE WITH SURROUNDING PLANTING AREAS.

26. CONTRACTOR SHALL REMOVE AND DISCARD DAILY ALL PIPING DISTURBED DURING TRENCHING OPERATION.

CITY OF REDLANDS NON-POTABLE WATER NOTES:

1. ALL ON-SITE IRRIGATION IMPROVEMENTS SHOWN ON THESE PLANS ARE PART OF A NON-POTABLE WATER DISTRIBUTION SYSTEM. NO CONSTRUCTION WILL BE ALLOWED UNTIL ALL APPROVALS HAVE BEEN OBTAINED.
2. CROSS CONNECTIONS BETWEEN POTABLE AND NON-POTABLE WATER LINES ARE STRICTLY PROHIBITED.
3. USE OF NON-POTABLE WATER SHALL ADHERE TO CURRENT RULES, REGULATIONS AND SPECIFICATIONS OF THE CITY.
4. UNLESS OTHERWISE DIRECTED BY THE CITY, A 4-FOOT HORIZONTAL AND 1-FOOT VERTICAL SEPARATION BETWEEN POTABLE WATER AND CONSTANT PRESSURE NON-POTABLE WATER LINES SHALL BE MAINTAINED AT ALL TIMES. THE POTABLE LINES SHALL BE INSTALLED ABOVE THE NON-POTABLE LINES.
5. WHERE POTABLE LINES AND CONSTANT PRESSURE NON-POTABLE WATER LINES CROSS, THE NON-POTABLE WATER LINE SHALL BE INSTALLED BELOW THE POTABLE WATER LINE IN A CLASS 200 PURPLE COLORED PVC SLEEVE. THE SLEEVE SHALL EXTEND 10-FEET ON EITHER SIDE OF THE POTABLE LINE, FOR A TOTAL OF 20-FEET.
6. A MINIMUM VERTICAL SEPARATION OF 12 INCHES SHALL BE MAINTAINED BETWEEN UTILITIES AT ALL TIMES.
7. HOSE BIBS ARE STRICTLY PROHIBITED ON NON-POTABLE WATER SYSTEMS.
8. ALL SPRAY HEADS, VALVE BOXES, AND A MINIMUM OF TWO QUICK COUPLER VALVES, ONE AT THE FURTHEST POINT OF CONNECTION, SHALL BE CLEARLY COLOR CODED (PURPLE) TO INDICATE THE USE OF NON-POTABLE WATER.
9. NON-POTABLE WATER LINES SHALL NOT CROSS ROADS, STREETS, OR EASEMENTS UNLESS SPECIFICALLY SHOWN ON THESE PLANS.
10. ALL PRESSURE LINES SHALL BE TESTED WITH HYDROSTATIC PRESSURE AS REQUIRED IN THE CITY STANDARD SPECIFICATIONS AND ALL NON-PRESSURE LINES SHALL BE TESTED WITH THE EXISTING STATIC LINE PRESSURE. NO LEAKS SHALL BE ALLOWED. CONTRACTOR SHALL PROVIDE ALL EQUIPMENT FOR HYDROSTATIC TESTS. THESE TESTS SHALL BE WITNESSED BY A REPRESENTATIVE OF THE CITY WHICH WILL INCLUDE THE DESIGNATED CITY CONSTRUCTION INSPECTOR AT A MINIMUM.
11. PRIOR TO SITE ACCEPTANCE, A CROSS-CONNECTION SHUTDOWN TEST WILL BE CONDUCTED BY THE CITY
12. PRIOR TO ENERGIZING THE ON-SITE SYSTEM WITH WATER, ONE (1) COMPLETE SET OF LAMINATED CONTROLLER CHARTS SHALL BE PROVIDED TO THE CITY.
13. EACH AUTOMATIC CONTROLLER AND ITS ASSOCIATED EQUIPMENT, SHALL BE IDENTIFIED WITH A SIGN BEARING THE WORDS "NON-POTABLE WATER USED FOR IRRIGATION" WITH A: "DO NOT DRINK SYMBOL" WITH WORDS IN ENGLISH AND SPANISH. ALONG WITH A SYMBOL OF THE CITY. WITH WHITE LETTERS AT LEAST 1 INCH HIGH ON A PURPLE, PANTONE 512 BACKGROUND. THE SIGN SHALL BE PLACED IN INTERVALS AS DESIGNATED BY THE CITY AND IN AREAS READILY SEEN BY ANY OPERATIONS PERSONNEL UTILIZING THE EQUIPMENT.
14. THE CONTRACTOR SHALL ENSURE ALL SPRINKLER HEADS ARE ADJUSTED FOR OPTIMUM PERFORMANCE. THIS SHALL INCLUDE THROTTLING THE FLOW CONTROL AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH SYSTEM. CONDITIONS THAT CAUSE OVERSPRAYS, PONDING, OR RUNOFF SHALL BE ELIMINATED. ADJUST AND DESIGN SYSTEMS TO AVOID THESE CONDITIONS.
15. FAILURE TO COMPLY WITH THE CITY'S RULES AND REGULATIONS IS A VIOLATION AND COULD RESULT IN SUSPENSION OF SERVICE UNTIL THE APPROPRIATE CORRECTIVE STEPS HAVE BEEN TAKEN.
16. WHEN NON-POTABLE WATER BECOMES AVAILABLE, AN ON-SITE USER/SUPERVISOR SHALL BE DESIGNATED IN WRITING AND ATTEND A RECYCLED WATER SITE SUPERVISOR TRAINING THROUGH A CITY APPROVED TRAINING COURSE. THIS INDIVIDUAL SHALL BE FAMILIAR WITH PLUMBING SYSTEMS WITHIN THE PROPERTY, WITH THE BASIC CONCEPTS OF BACKFLOW/CROSS CONNECTION PROTECTION, APPLICABLE RULES AND REGULATIONS, AND THE SPECIFIC REQUIREMENTS OF A NON-POTABLE WATER SYSTEM.
17. BEST MANAGEMENT PRACTICES SHALL BE USED TO ENSURE NON-POTABLE WATER USER SITE COMPLIANCE AND SHALL INCLUDE, BUT NOT LIMITED TO, ELIMINATING OR CONTROLLING PONDING, RUN-OFF, OVER-SPRAY AND MISTING.
18. NON-POTABLE WATER QUICK COUPLING VALVES SHALL BE OF A TYPE DESIGNED FOR USE ON RECYCLED WATER DISTRIBUTION SYSTEMS (SPIKES NOT INTERCHANGEABLE WITH POTABLE WATER QUICK COUPLER SPIKES).
19. SIGNS SHALL BE POSTED AT LEAST 4' FEET FROM THE GROUND IN A LOCATION THAT IS VISIBLE TO THE PUBLIC, IN A SIZE NO LESS THAN 6 INCHES WIDE BY 8 INCHES TALL, THAT INCLUDE THE FOLLOWING WORDING : "NON-POTABLE WATER IN USE - DO NOT DRINK - WASH HANDS AFTER CONTACT" IN BOTH ENGLISH AND SPANISH. EACH SIGN SHALL DISPLAY AN INTERNATIONAL SYMBOL FOR "DO NOT DRINK". EXAMPLE SIGNAGE PROVIDED BELOW. REQUEST FOR A VARIANCE SHALL BE APPROVED PRIOR TO INSTALLATION.
20. UPON FINAL ACCEPTANCE, ANY FUTURE MODIFICATIONS TO THE IRRIGATION SYSTEM MUST BE APPROVED BY THE CITY PRIOR TO THE START OF CONSTRUCTION.
21. ALL APPURTENANCES AND PIPING MUST BE INSTALLED PER REQUIREMENTS OF THE CITY OF REDLANDS RECYCLED WATER GUIDELINES.
22. PHYSICAL SEPARATIONS SHALL BE PROVIDED BETWEEN AREAS OF IRRIGATION WITH NON-POTABLE WATER AND ANY ADJACENT POTABLE WATER USE. SEPARATION SHALL BE IN THE FORM OF CONCRETE MOW CURB, FENCES, OR EQUIVALENT AS APPROVED BY THE CITY OF REDLANDS.
23. ALL PUBLIC AND PRIVATE POTABLE WATER MAINS, INCLUDING FIRE MAINS AND ANY AUXILIARY WATER SOURCES, MUST BE SHOWN ON PLANS.
24. AS BUILT LANDSCAPE PLANS WILL BE PROVIDED TO THE CITY ALONG WITH A PDF AND THE COMPLETION AND ACCEPTANCE OF THE PROJECT.
25. A SYMBOLS AND ABBREVIATIONS LEGEND IS INCLUDED AND FOLLOWS INDUSTRY STANDARDS AND ALL ITEMS ARE CLEARLY IDENTIFIABLE AND LABELED. (SEE EXAMPLE PROVIDED BELOW)



NON-POTABLE WATER SIGNAGE EXAMPLE

PHOTO COURTESY OF:
https://www.google.com/search?q=RECYCLED+WATER+SIGN&hl=en&sxsrf=ACYBGNRNwWGNASCzqw54bEqkrilH5haXdg:1576796981667&source=lnms&tbm=isch&sa=X&ved=2ahUKEwi3jea_6sLmAhUlQvJ4RHassjDNUQ_AUoAXoECAwQAw&biw=1920&bih=969#imgrc=10hbF47-qOSoM:



SYMBOLS AND ABBREVIATIONS EXAMPLE

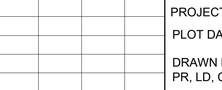
IRRIGATION EQUIPMENT LEGEND:

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI	DETAIL
①	HUNTER MP CORNER PROS-12-PRS30-CV-R SHRUB ROTATOR, 12" POP-UP WITH CHECK VALVE, PURPLE CAP, PRESSURE REGULATED TO 30 PSI, MP ROTATOR NOZZLE. T=TURQUOISE ADJ ARC 45-105 ON PRS30 BODY.	30	7/LI-2.1
LST RST SST	HUNTER MP STRIP PROS-12-PRS30-CV-R SHRUB ROTATOR, 12" POP-UP WITH FACTORY INSTALLED CHECK VALVE, RECLAIMED BODY CAP, PRESSURE REGULATED TO 30 PSI, MP ROTATOR NOZZLE. LST=IVORY LEFT STRIP, SST=BROWN SIDE STRIP, RST=COPPER RIGHT STRIP ON PRS30 BODY.	30	
Ⓜ Ⓒ Ⓞ	HUNTER MP1000 PROS-12-PRS30-CV-R SHRUB ROTATOR, 12" POP-UP WITH CHECK VALVE, PURPLE CAP, PRESSURE REGULATED TO 30 PSI, MP ROTATOR NOZZLE. M=MAROON ADJ ARC 90 TO 210, L=LIGHT BLUE 210 TO 270 ARC, O=OLIVE 360 ARC ON PRS30 BODY.	30	
ⓀⒼⓇ	HUNTER MP2000 PROS-12-PRS30-CV-R SHRUB ROTATOR, 12" POP-UP WITH FACTORY INSTALLED CHECK VALVE, RECLAIMED BODY CAP, PRESSURE REGULATED TO 30 PSI, MP ROTATOR NOZZLE. K=BLACK ADJ ARC 90-210, G=GREEN ADJ ARC 210-270, R=RED 360 ARC ON PRS30 BODY.	30	
Ø.5	HUNTER RZWS-18-CV 18" LONG RZWS WITH INSTALLED .50GPM BUBBLER, CHECK VALVE, 1/2" SWING JOINT FOR CONNECTION TO 1/2" PIPE	30	1/LI-2.0
Ø.5	RAIN BIRD 1804-NP-1300AF FLOOD FLOOD BUBBLER 4.0" POP-UP, WITH A PA-80 ADAPTER. WITH NON-POTABLE PURPLE CAP.	30	6/LI-2.1

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	DETAIL
	RAIN BIRD XCZ-150-PRB-COM HIGH FLOW CONTROL ZONE KIT, FOR LARGE COMMERCIAL DRIP ZONES. 1-1/2" PESB VALVE WITH TWO 1" PRESSURE REGULATING (40PSI) QUICK-CHECK BASKET FILTERS. FLOW RANGE: 15-40GPM.INSTALL WITH LEMA 1600 HE AND 30-921/ 30-926 SOLAR SOLENOID ADDAPTOR.	2/LI-2.0
Ⓥ	RAIN BIRD MDCFPCAP DRIPLINE FLUSH VALVE PURPLE CAP IN COMPRESSION FITTING COUPLER. FOR NON-POTABLE WATER USE.	7/LI-2.0
Ⓐ	NETAFIM 65ARIA075 3/4" MALE PIPE THREAD GUARDIAN AIR/VACUUM RELIEF VENT. INSTALL IN SUBSURFACE SYSTEMS. ON SLOPING TERRAIN TO PREVENT COLLAPSING OF PIPES. UV RESISTANT. MAXIMUM PRESSURE: 150 PSI.	5/LI-2.0
	AREA TO RECEIVE DRIPLINE NETAFIM TLRW-06-18 (18) TECHLINE RW LANDSCAPE DRIPLINE WITH PURPLE STRIPE FOR NON-POTABLE WATER APPLICATIONS. 0.6GPH EMITTERS AT 18.0" O.C. DRIPLINE LATERALS SPACED AT 18.0" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. DESIGNED FOR RECLAIMED WATER USE ONLY.	4/LI-2.0

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	DETAIL
	RAIN BIRD PESB-PRS-D 1", 1-1/2", 2" PLASTIC INDUSTRIAL VALVES. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION. WITH PRESSURE REGULATING MODULE, AND SCRUBBER TECHNOLOGY FOR RELIABLE PERFORMANCE IN DIRTY WATER IRRIGATION APPLICATIONS. INSTALL WITH LEMA 1600 HE AND 30-921/ 30-926 SOLAR SOLENOID ADDAPTOR.	5/LI-2.1
	NELSON 7645 1" BRASS QUICK COUPLER VALVE WITH ACME THREADS FOR SLOW FLOW CONTROL, WITH LOCKING RUBBER COVER AND PURPLE CAP WITH RECLAIMED WATER WARNING.	7/LI-2.1
	GRISWOLD ISOLATOR BV BRASS DWS VALVE WITH BALL VALVE. SIZES 1/2" THROUGH 2-1/2", SAME SIZE AS IRRIGATION LINE. 100 MESH STAINLESS STEEL STRAINER AND PACKING GLAND BALL VALVE ARE IDEAL FOR DIRTY WATER APPLICATIONS.	2/LI-2.1

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI	DETAIL
	NIBCO T-113-K LINE SIZE GATE SHUT-OFF VALVE-CLASS 125 BRONZE WITH PURPLE CROSS HANDLE, SAME SIZE AS MAINLINE PIPE DIAMETER AT VALVE LOCATION. SIZE RANGE - 1/4" - 3"		2/LI-2.1
MV	GRISWOLD 2030KRE 1-1/2" 1-1/2" LOW POWER SOLENOID, NORMALLY CLOSED MASTER VALVE. PURPLE HANDLE FOR RECLAIMED WATER WITH EPOXY COATING. CAST IRON AND BRONZE MATERIAL. NPT END CONNECTION. INSTALL WITH LEMA 1600 HE AND 30-921 SOLAR POWER SOLENOID ADDAPTOR.		3/LI-2.1
BF	FEBCO 825YA 1-1/2" REDUCED PRESSURE BACKFLOW PREVENTER WITH SMOOTH TOUCH STRONGBOX STAINLESS STEEL ENCLOSURE BY V.I.T. PRODUCTS, INC. MODEL: SBBC-45SS & CR.		1/LI-2.1 3/LI-2.0 6/LI-2.0
C	DIG LEIT XRC28 28 STATION SOLAR POWERED CONTROLLER PLUS MV/P WITH LEIT MULTI-PRO REMOTE HANDSET. INSTALL WITH AND MCOLXL 51" MOUNTING COLUMN, LEIT KEY, AND SKIT RAIN SENSOR ADAPTOR. ALL REMOTE CONTROL VALVES AND MASTER VALVE TO BE INSTALLED WITH LEMA 1600HE MICROPOWER SOLENOID AND SOLENOID ADAPTOR PER MANUFACTURER RECOMMENDATIONS. AVAILABLE THROUGH DIG CORPORATION (800)-322-9146.		
M	WATER METER 1-1/2" METER LOCATION: CHURCH STREET		
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40		
	IRRIGATION MAINLINE: PVC SCHEDULE 40 AND CLASS 315		
	PIPE SLEEVE: PVC SCHEDULE 40		



Accepted By:

GOUTAM K. DOBEY
CITY ENGINEER RCE 75646

12/19/2023
Date

NOTES:
1. ALL PROPOSED TREES TO RECEIVE BUBBLER IRRIGATION. ALL PROPOSED SHRUB AREAS TO RECEIVE DRIP IRRIGATION.
2. THE PROJECT IS CONNECTED TO A POTABLE WATER SOURCE, BUT CITY REQUEST TO PROVIDE 'PURPLE' COMPONENTS FOR FUTURE RECYCLED WATER SYSTEM IF / WHEN IT WILL BE MADE AVAILABLE.

INSPECTION NOTE

THE CITY OF REDLANDS ENGINEERING STAFF SHALL BE NOTIFIED 5-10 DAYS PRIOR TO THE START OF CONSTRUCTION. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.

BENCHMARK

CITY OF REDLANDS BENCH MARK R-49
BRASS DISK IN TOP OF CURB @ NE COR. ORANGE STREET & COLTON AVE. EAST OF END OF RETURN.

ELEVATION = 1370.856'

811 Know what's below. Call before you dig.
AT LEAST TWO DAYS BEFORE YOU DIG

LICENSED LANDSCAPE ARCHITECT
GLENN A. SCHMIDT No. 2138
SIGNATURE
10-31-23
RENEWAL DATE
5/25/2023
DATE
STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:

SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
619.2361462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

Letter	Description	Date	Initial	Initial

Revisions

PROJECT NO.:14-406
PLOT DATE: 5/25/2023
DRAWN BY: PR, LD, CT
CHECKED BY: CT,JJ

Approved By:

Tabitha Crocker
FACILITIES AND COMMUNITY SERVICES DIRECTOR
Date

Sheet 29 of 42 Sheets
Drawing No. LI-1.0

CITY OF REDLANDS

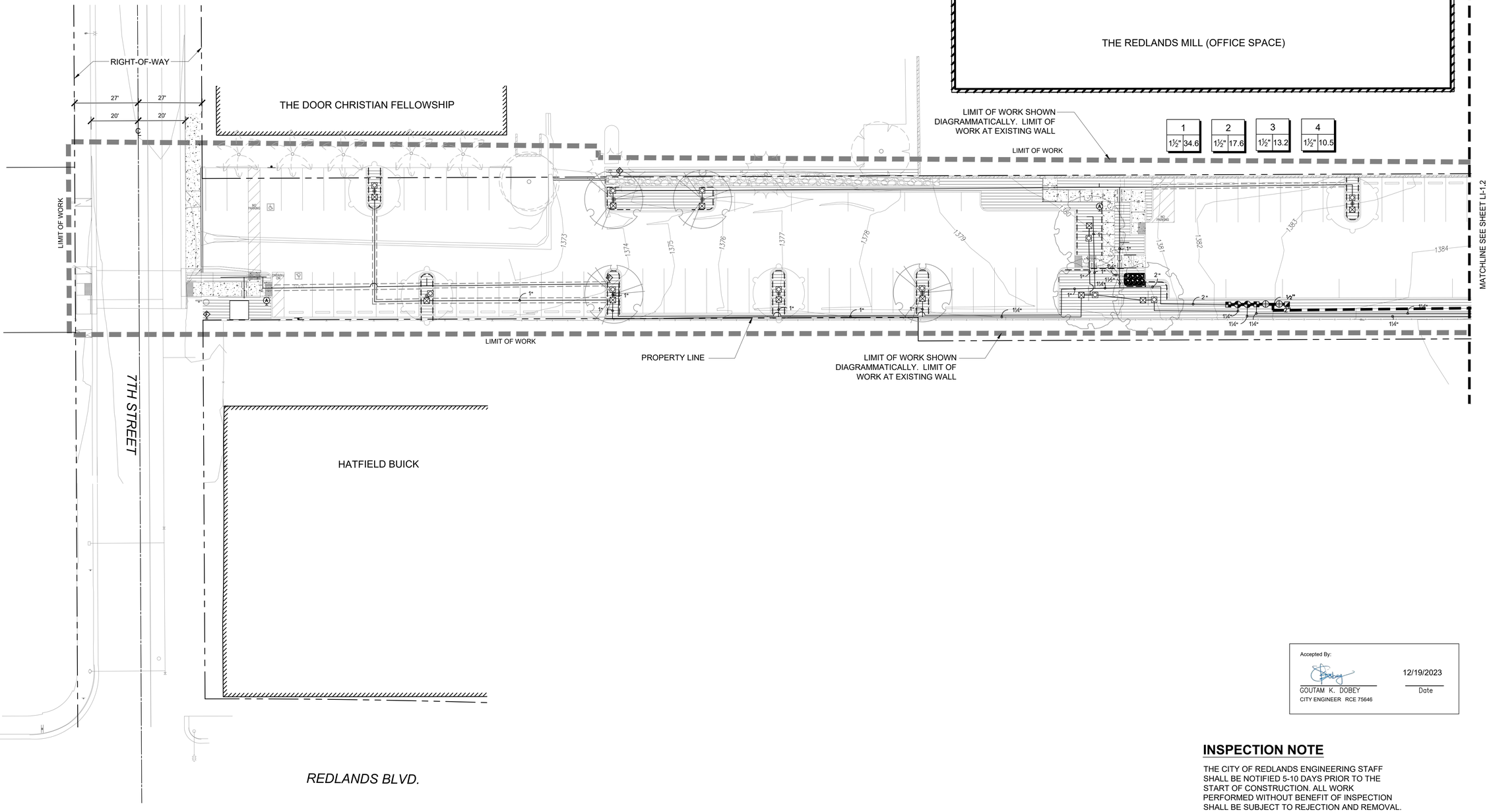
ZANJA TRAIL AND GREENWAY PARK, PHASE 2 PROJECT No.

IRRIGATION LEGEND AND NOTES

18/28
2301-LS

03/30/23 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

D:\Archive-Projects\400 projects\14-406 Mill Creek Zanja Trail Greenway\06-CD's\Zanja Phase 2\14-406 S-IRR PH2.dwg 07/26/2023 08:31



INSPECTION NOTE

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Accepted By:

GOUTAM K. DOBEY
CITY ENGINEER RCE 75646

12/19/2023
Date

BOUNDARIES LEGEND

SYMBOL	DESCRIPTION
	LIMIT OF WORK
	SBCFCD RIGHT OF WAY
	PROPERTY LINE

0 10 20 40
SCALE : 1" = 20'-0"
FOR SHEET SIZE 24" X 36"

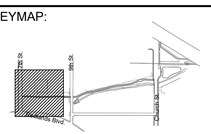
NORTH

BENCHMARK

CITY OF REDLANDS BENCH MARK R-49
BRASS DISK IN TOP OF CURB @ NE COR. ORANGE STREET & COLTON AVE. EAST OF END OF RETURN.

ELEVATION = 1370.856'

KEYMAP:



NTS

LICENSED LANDSCAPE ARCHITECT
GLENN SCHMIDT No. 2738
SIGNATURE
10-31-23
RENEWAL DATE
5/25/2023
DATE
STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:

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Letter	Description	Date	Initial	Initial

Revisions

PROJECT NO.:14-406
PLOT DATE: 5/25/2023
DRAWN BY: PR, LD, CT
CHECKED BY: CT,JJ

Approved By:

Tabitha Crocker
FACILITIES AND COMMUNITY SERVICES DIRECTOR

Date

Sheet 30 of 42 Sheets
Drawing No. LI-1.1

CITY OF REDLANDS

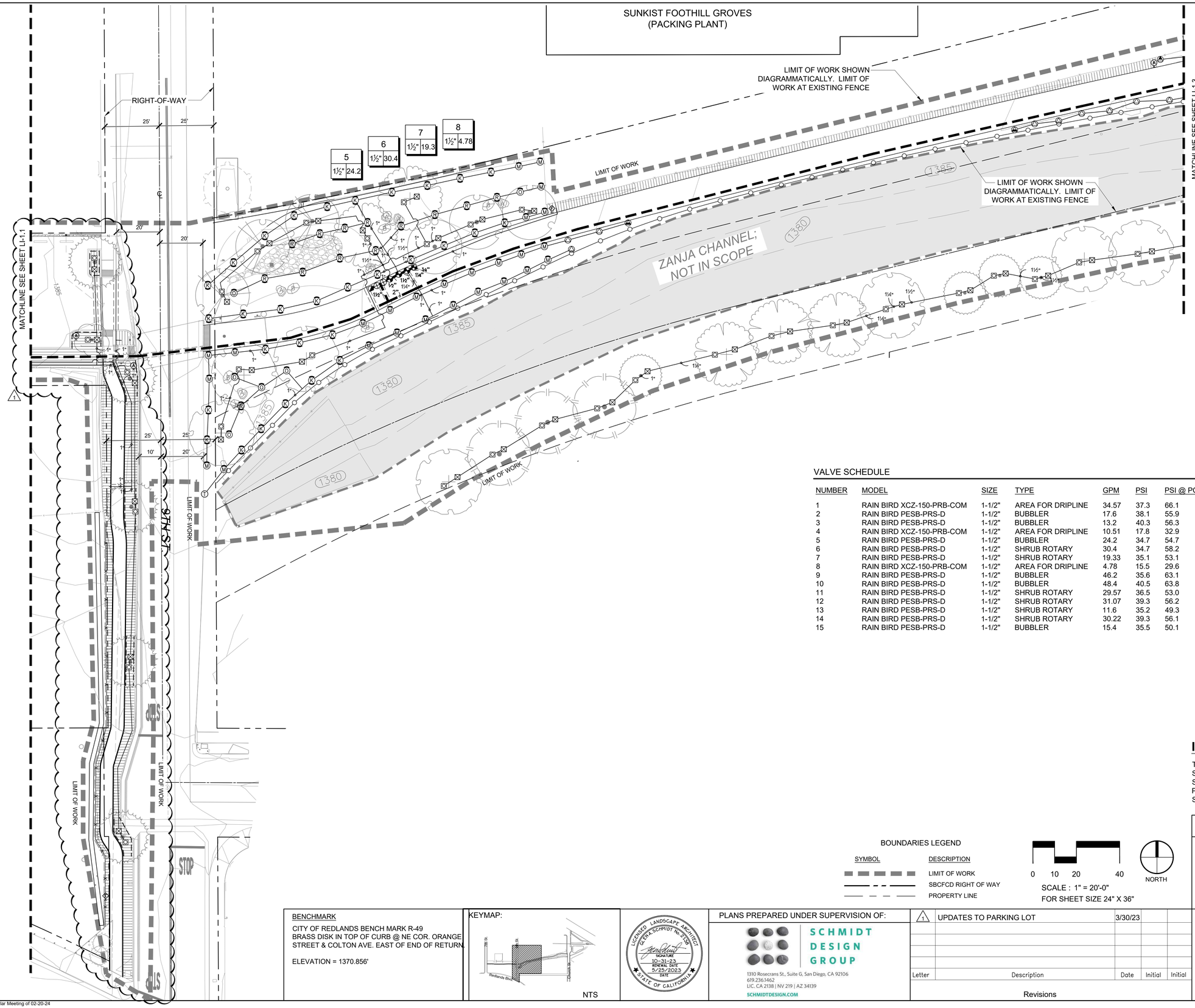
ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No.

IRRIGATION PLAN

2301-LS 19/28

03/30/23 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

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VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	PSI	PSI @ POC
1	RAIN BIRD XCZ-150-PRB-COM	1-1/2"	AREA FOR DRIPLINE	34.57	37.3	66.1
2	RAIN BIRD PESB-PRS-D	1-1/2"	BUBBLER	17.6	38.1	55.9
3	RAIN BIRD PESB-PRS-D	1-1/2"	BUBBLER	13.2	40.3	56.3
4	RAIN BIRD XCZ-150-PRB-COM	1-1/2"	AREA FOR DRIPLINE	10.51	17.8	32.9
5	RAIN BIRD PESB-PRS-D	1-1/2"	BUBBLER	24.2	34.7	54.7
6	RAIN BIRD PESB-PRS-D	1-1/2"	SHRUB ROTARY	30.4	34.7	58.2
7	RAIN BIRD PESB-PRS-D	1-1/2"	SHRUB ROTARY	19.33	35.1	53.1
8	RAIN BIRD XCZ-150-PRB-COM	1-1/2"	AREA FOR DRIPLINE	4.78	15.5	29.6
9	RAIN BIRD PESB-PRS-D	1-1/2"	BUBBLER	46.2	35.6	63.1
10	RAIN BIRD PESB-PRS-D	1-1/2"	BUBBLER	48.4	40.5	63.8
11	RAIN BIRD PESB-PRS-D	1-1/2"	SHRUB ROTARY	29.57	36.5	53.0
12	RAIN BIRD PESB-PRS-D	1-1/2"	SHRUB ROTARY	31.07	39.3	56.2
13	RAIN BIRD PESB-PRS-D	1-1/2"	SHRUB ROTARY	11.6	35.2	49.3
14	RAIN BIRD PESB-PRS-D	1-1/2"	SHRUB ROTARY	30.22	39.3	56.1
15	RAIN BIRD PESB-PRS-D	1-1/2"	BUBBLER	15.4	35.5	50.1

Accepted By:

GOUTAM K. DOBEY
CITY ENGINEER RCE 75646

12/19/2023
Date

INSPECTION NOTE

THE CITY OF REDLANDS ENGINEERING STAFF SHALL BE NOTIFIED 5-10 DAYS PRIOR TO THE START OF CONSTRUCTION. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.

BOUNDARIES LEGEND

SYMBOL	DESCRIPTION
	LIMIT OF WORK
	SBCFCD RIGHT OF WAY
	PROPERTY LINE

0 10 20 40
SCALE : 1" = 20'-0"
FOR SHEET SIZE 24" X 36"

NORTH

BENCHMARK

CITY OF REDLANDS BENCH MARK R-49
BRASS DISK IN TOP OF CURB @ NE COR. ORANGE STREET & COLTON AVE. EAST OF END OF RETURN.

ELEVATION = 1370.856'

KEYMAP:

NTS

LICENSED LANDSCAPE ARCHITECT
GLENN A. SCHMIDT No. 6758
SIGNATURE
10-31-23
RENEWAL DATE
5/25/2023
DATE
STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:

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SCHMIDTDESIGN.COM

Letter	Description	Date	Initial	Initial
1	UPDATES TO PARKING LOT	3/30/23		

Revisions

PROJECT NO.:14-406
PLOT DATE: 5/25/2023
DRAWN BY: PR, LD, CT
CHECKED BY: CT,JJ

Approved By:

Tabitha Crocker
FACILITIES AND COMMUNITY SERVICES DIRECTOR

Date

Sheet 31 of 42 Sheets

Drawing No. LI-1.2

CITY OF REDLANDS

ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No.

IRRIGATION PLAN

2301-LS 20/28

03/30/23 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

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CRITICAL ANALYSIS

Generated:	2023-07-25 14:45
P.O.C. NUMBER: 01	
Water Source Information:	METER LOCATION: church street
FLOW AVAILABLE	
Water Meter Size:	1-1/2"
Flow Available	70.55 GPM
PRESSURE AVAILABLE	
Static Pressure at POC:	75 PSI
Elevation Change:	5.00 ft
Service Line Size:	2"
Length of Service Line:	20 ft
Pressure Available:	72 PSI
DESIGN ANALYSIS	
Maximum Station Flow:	48.4 GPM
Flow Available at POC:	70.55 GPM
Residual Flow Available:	22.15 GPM
Critical Station:	1
Design Pressure:	15 PSI
Friction Loss:	2.3 PSI
Fittings Loss:	0.22 PSI
Elevation Loss:	3.9 PSI
Loss through Valve:	15.9 PSI
Pressure Req. at Critical Station:	37.3 PSI
Loss for Fittings:	1.14 PSI
Loss for Main Line:	11.4 PSI
Loss for POC to Valve Elevation:	0 PSI
Loss for Backflow:	12.0 PSI
Loss for Master Valve:	1.76 PSI
Loss for Water Meter:	2.53 PSI
Critical Station Pressure at POC:	66.1 PSI
Pressure Available:	72 PSI
Residual Pressure Available:	5.92 PSI

State of CA Model Water Efficent Landscape Ordinance (MWELO)

Project Name: Mill Creek Zanja Trail Greenway, Phase 2

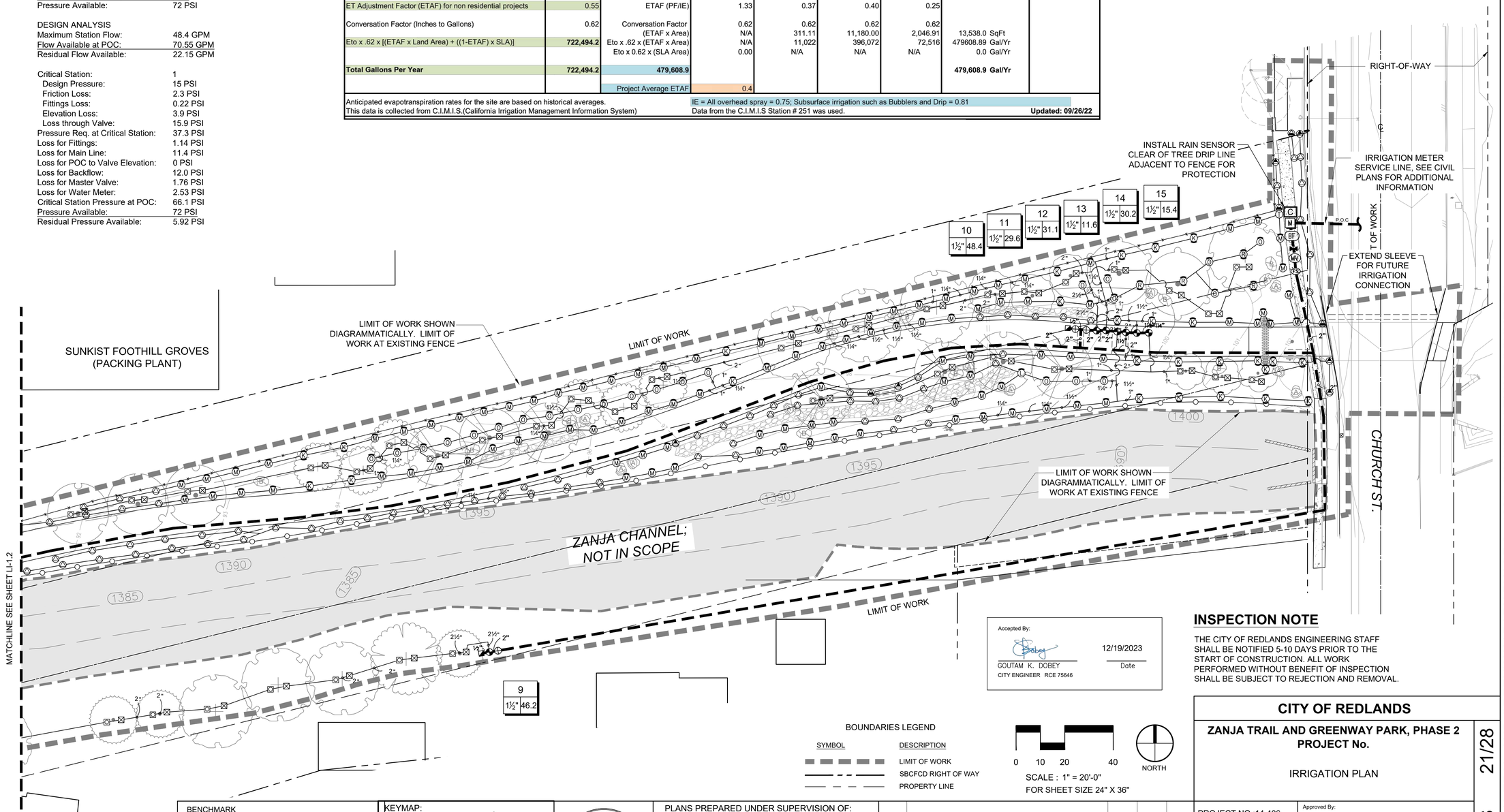
2015 Executive Order EO B-29-15 MWELO (MAWA & ETWU) - PROJECT WATER USE ANALYSIS

Description	MAWA	ETWU	Hydrozones				
			Special Landscape Area	Low Water Use (Trees)	Low Water Use (Shrub Areas)	Low Water Use (Shrub Areas)	Total Usage
Total Landscape Area (Square Feet)	37,080	Hydrozone Area S.F. (HA)	0	840	27,950	8,290	37,080 SqFt
Special Landscape Area (SLA)	0	SLA Hydro Area (Recreational Turf)	0	N/A	N/A	N/A	0 SqFt
Irrigation Efficiency (IE)	NA	Irrigation Efficiency (IE)	Rotary 0.75	Bubblers 0.81	Rotary 0.75	Drip 0.81	
Reference Evapotranspiration (Eto)	57.14	Ref ET (Eto)	57.14	57.14	57.14	57.14	
Plant Factor (PF) - H=.8/.7, M=.6/.5, L=.4/.3, VL=.2/.1	NA	Plant Factor (PF)	1.0	0.3	0.3	0.2	
ET Adjustment Factor (ETAF) for non residential projects	0.55	ETAF (PF/IE)	1.33	0.37	0.40	0.25	
Conversation Factor (Inches to Gallons)	0.62	Conversation Factor (ETAF x Area)	0.62 N/A	0.62 311.11	0.62 11,180.00	0.62 2,046.91	13,538.0 SqFt
Eto x .62 x [(ETAF x Land Area) + ((1-ETAF) x SLA)]	722,494.2	Eto x .62 x (ETAF x Area)	N/A	11,022	396,072	72,516	479608.89 Gal/Yr
		Eto x 0.62 x (SLA Area)	0.00	N/A	N/A	N/A	0.0 Gal/Yr
Total Gallons Per Year	**722,494.2**	**479,608.9**					**479,608.9 Gal/Yr**
		Project Average ETAF	0.4				

Anticipated evapotranspiration rates for the site are based on historical averages.
This data is collected from C.I.M.I.S.(California Irrigation Management Information System)

IE = All overhead spray = 0.75; Subsurface irrigation such as Bubblers and Drip = 0.81
Data from the C.I.M.I.S Station # 251 was used.

Updated: 09/26/22



Accepted By:

GOUTAM K. DOBEY
CITY ENGINEER RCE 75646

12/19/2023
Date

INSPECTION NOTE

THE CITY OF REDLANDS ENGINEERING STAFF SHALL BE NOTIFIED 5-10 DAYS PRIOR TO THE START OF CONSTRUCTION. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.

BOUNDARIES LEGEND

SYMBOL	DESCRIPTION
	LIMIT OF WORK
	SBCFCD RIGHT OF WAY
	PROPERTY LINE

0 10 20 40
SCALE : 1" = 20'-0"
FOR SHEET SIZE 24" X 36"

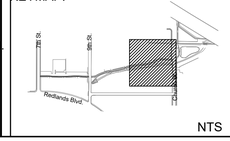
NORTH

BENCHMARK

CITY OF REDLANDS BENCH MARK R-49
BRASS DISK IN TOP OF CURB @ NE COR. ORANGE STREET & COLTON AVE. EAST OF END OF RETURN.

ELEVATION = 1370.856'

KEYMAP:



NTS

LICENSED LANDSCAPE ARCHITECT
GLENN A. SCHMIDT No. 2538
SIGNATURE
10-31-23
RENEWAL DATE
5/25/2023
DATE
STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:

SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
619.236.1462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

Letter	Description	Date	Initial	Initial

Revisions

CITY OF REDLANDS

ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No.

IRRIGATION PLAN

PROJECT NO.:14-406
PLOT DATE: 5/25/2023
DRAWN BY: PR, LD, CT
CHECKED BY: CT,JJ

Approved By:

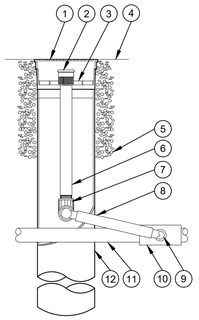
Tabitha Crocker
FACILITIES AND COMMUNITY SERVICES DIRECTOR
Date

Sheet 32 of 42 Sheets
Drawing No. LI-1.3

2301-LS 21/28

03/30/23 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

C:\Archive--Projects\400 projects\14-406 Mill Creek Zanja Trail Greenway\06-CD's\Zanja Phase 2\14-406 S-IRR PH2.dwg 07/26/2023 08:32



LEGEND:

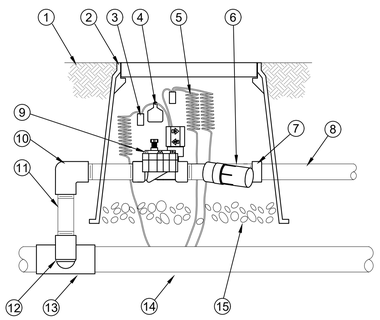
1. 4-INCH PURPLE GRATE (INCLUDED)
2. BUBBLER: 0.50 GPM (INCLUDED)
3. ROOT WATERING SYSTEM (INCLUDES 0.50 GPM BUBBLER WITH RISER, PURPLE GRATE, SWING ASSEMBLY, 1/2" MALE NPT INLET, AND BASKET CANISTER)
4. FINISH GRADE
5. OPTIONAL PEA GRAVEL OR RWS SAND SOCK (RWS-SOCK) FOR SANDY SOILS. SEE IRRIGATION LEGEND.
6. 1/2-INCH PVC SCH 80 NIPPLE (INCLUDED)
7. 1/2-INCH 90-DEGREE ELBOW (INCLUDED)
8. 12-INCH SWING ASSEMBLY (INCLUDED)
9. 1/2-INCH MALE NPT INLET (INCLUDED)
10. PURPLE PVC SCH 40 TEE OR EL
11. PURPLE LATERAL PIPE
12. 4-INCH BASKET WEAVE CANISTER (INCLUDED)

NOTE:

A. INSTALL DEEP ROOT SYSTEM(S) PER MANUFACTURES SPECIFICATIONS.

1 RECYCLED WATER DEEP ROOT WATERING SYSTEM

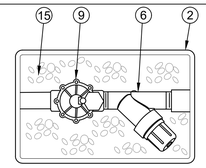
NO SCALE



SECTION

LEGEND:

1. FINISH GRADE
2. PURPLE VALVE BOX WITH COVER PER IRRIGATION SPECIFICATIONS
3. WATERPROOF CONNECTION, TYPICAL
4. VALVE ID TAG
5. 30-INCH LINEAR LENGTH OF WIRE, COILED
6. PRESSURE REGULATING FILTER PER MANUFACTURER'S RECOMMENDATIONS
7. PVC SCH 40 FEMALE ADAPTOR
8. PURPLE LATERAL PIPE
9. REMOTE CONTROL VALVE AS SPECIFIED ON IRRIGATION LEGEND
10. PVC SCH 40 ELL
11. PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
12. PVC SCH 80 NIPPLE (2-INCH LENGTH, HIDDEN) AND PVC SCH 40 ELL)
13. PVC SCH 40 TEE OR ELL
14. PVC MAINLINE
15. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL



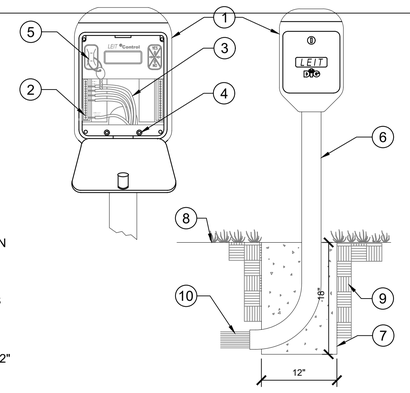
PLAN

NOTES:

A. ALL THREADED PIPE CONNECTIONS WILL BE SEALED WITH OVERLAPPING WRAPS OF TEFLON TAPE AS REQUIRED TO PREVENT LEAKAGE.
B. WIRE CONNECTORS WILL BE K.B. "ONE-STEP" PRE-FILLED TAN OR EQUAL.
C. DIRECT BURIAL COMMON AND CONTROL WIRES WILL BE COILED TO PROVIDE 12" EXPANSION COILS INSIDE VALVE BOX.
D. PROVIDE EXPANSION COILS AT EACH WIRE CONNECTION IN VALVE BOX. (WRAP AROUND 1/2" PIPE 15 TIMES-REMOVE PIPE)
E. ALL RECYCLED WATER VALVES SHALL HAVE SIGNAGE ATTACHED TO VALVE STATING "DO NOT DRINK," PER WATER DISTRICT AND HEALTH DEPARTMENT REQUIREMENTS.
F. INSTALL WITH 1600 HE MICRO POWER SOLENOID AND SOLENOID ADAPTER FOR SOLAR POWERED CONTROLLER.

2 TYPICAL DRIP CONTROL VALVE KIT FOR RECYCLED WATER

NO SCALE



LEGEND:

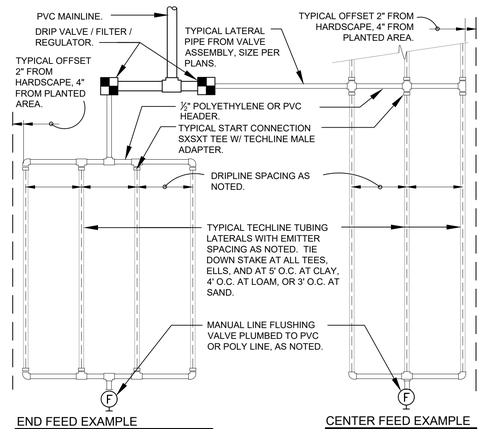
1. AMBIENT LIGHT POWERED IRRIGATION CONTROLLER. MODEL XRC: 28 STATIONS WITH RADIO REMOTE
2. TERMINAL STRIP
3. 12 OR 14 GAUGE WIRE
4. CLAMPS, SPACER AND SCREWS INCLUDED WITH MOUNTING COLUMN
5. PROGRAMMING KEY MODEL LEIT KEY
6. GALVANIZED STEEL MOUNTING COLUMN, MODEL MCOLXL 51" (129 CM) LONG
7. 12" X 18" POURED CONCRETE BASE USING 90 LB (40 kg) BAG OF CONCRETE. INSTALL PER MANUFACTURER'S INSTALLATION GUIDE.
8. FINISH GRADE
9. BACKFILL SOIL
10. DIRECT BURIAL CONTROL WIRES TO CONTROL VALVES

NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWING.
3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER REFERENCE NUMBER 923-039.

3 LEIT XRC ENERGIZED CONTROLLER

N.T.S.



END FEED EXAMPLE

CENTER FEED EXAMPLE

TECHLINE CV MAXIMUM LENGTH OF SINGLE LATERAL (FEET)												
DRIPPER SPACING		12"				18"				24"		
DRIPPER FLOW RATE (GPH)		0.26	0.4	0.6	0.9	0.26	0.4	0.6	0.9	0.6	0.9	
INLET PRESSURE (PSI)	15	127	109	86	65	177	151	120	91	152	116	
	25	427	325	256	194	604	459	361	274	458	348	
	35	539	409	322	244	763	579	456	346	580	440	
	45	618	469	369	280	877	664	523	397	666	506	

TECHLINE CV FLOW PER 100 FEET								
DRIPPER SPACING	0.26 GPH DRIPPER		0.4 GPH DRIPPER		0.6 GPH DRIPPER		0.9 GPH DRIPPER	
	GPH	GPM	GPH	GPM	GPH	GPM	GPH	GPM
12"	26.40	0.44	40.00	0.67	61.00	1.02	92.00	1.53
18"	17.58	0.29	26.67	0.44	41.00	0.68	61.00	1.02
24"	N/A	N/A	N/A	N/A	31.00	0.51	46.00	0.77

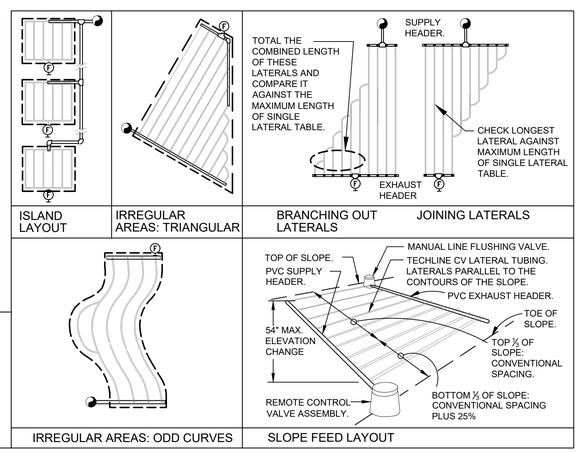
WATER SOURCE: DRIP VALVE OR LATERAL FROM VALVE.

TYPICAL SUPPLY HEADER.

TYPICAL TECHLINE DRIPPER LINE TUBING TO BE BURIED 1" BELOW FINISH GRADE.

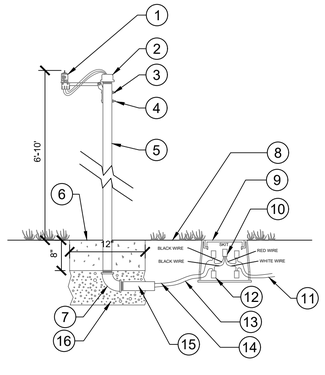
TYPICAL PVC OR POLY SUPPLY OR EXHAUST HEADER TO BE BURRIED MIN 12" BELOW GRADE.

F — MANUAL LINE FLUSING VALVE PLUMBED TO PVC OR POLY.



4 TYPICAL DRIPLINE REQUIREMENTS

NO SCALE



LEGEND:

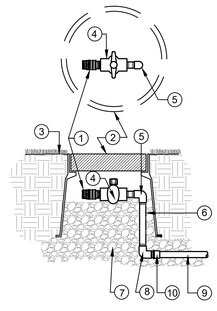
1. "MINI CLIK" RAIN SENSOR
2. DIG PLASTIC PIPE CAP 1" CAP PART No. 23-001 or 1.5" CAP PART No. 23-053 WITH HOLE FOR WIRES.
3. DRILL TWO 3/16 HOLES IN PIPE FOR SENSOR BRACKET.
4. (2) #8-32 MACHINE SCREWS WITH WASHER, LOCK WASHER AND NUT.
5. 1" or 1.5" GALVANIZED PIPE 6 to 10 FEET HIGH.
6. 12" X 12" CONCRETE BASE 8" DEEP MINIMUM.
7. 1" OR 1.5" PIPE ELBOW.
8. FINISH GRADE.
9. 6" ROUND VALVE BOX.
10. SKIT ADAPTER PART NO. 8821-4 USE WITH EACH SENSOR.
11. TO CONTROLLER OR VALVE.
12. (4) DRY SPLICE CONNECTORS.
13. NORMALLY CLOSED WIRE FROM SENSOR.
14. COMMON WIRE FROM SENSOR
15. 1" OR 1.5" NIPPLE.
16. GRAVEL.

NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWING.
3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.

6 SKIT 8821-4 RAIN SENSOR (COLUMN MOUNTED)

N.T.S.



LEGEND:

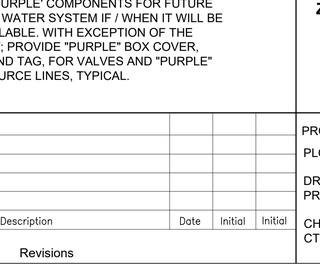
1. BRASS QUICK DISCONNECT
2. 10" ROUND PURPLE VALVE BOX BRAND 'FLUSH' ON LID. ATTACH 'DO NOT DRINK' TAG ON VALVE.
3. FINISH GRADE
4. PVC BALL VALVE (FIP X FIP)
5. MIP X FIP SCH. 40 PVC ELL
6. SCH 40 PURPLE PVC PIPE LENGTH AS REQUIRED
7. 3/4" CRUSHED GRAVEL SUMP (1 CU. FT.)
8. FIP X FIP SCH. 40 PVC ELL
9. PURPLE PVC LATERAL LINE PIPE
10. SLIP X MIPT SCH. 40 PVC FITTING

NOTE:

A. WHEN FLUSHING THE SYSTEM, CONNECT HOSE TO BRASS QUICK DISCONNECT AND DIRECT TO NEAREST LANDSCAPE AREA.

7 RECYCLED WATER FLUSH VALVE ASSEMBLY

NO SCALE



LEGEND:

1. AIR RELIEF VALVE AS SPECIFIED PER IRRIGATION LEGEND.
2. 6" ROUND PURPLE PLASTIC VALVE BOX PER SPECIFICATIONS.
3. 1" FPTXMPT ELL.
4. 3/4"X1" MPT ADAPTER.
5. PVC LATERAL, SIZE AND TYPE PER IRRIGATION LEGEND.
6. 3" THICK LAYER OF WASHED GRAVEL. THE BOX SHALL REST UPON THE ROCK BED. DO NOT EXTEND GRAVEL INTO BOX.

5 RECYCLED WATER DRIP AIR RELIEF VALVE IN BOX

NO SCALE

Accepted By:

GOUTAM K. DOBEY
CITY ENGINEER RCE 75646

12/19/2023
Date

COLOR CODING

SPRINKLERS, ROTOR HEADS, AND OTHER TYPES OF DISPERSION HEADS SHALL HAVE THE EXPOSED SURFACE COLORED PURPLE. THE EXPOSED SURFACE SHALL BE COLORED THROUGH THE USE OF INTEGRALLY MOLDED PURPLE PLASTIC OR PERMANENTLY ATTACHED PURPLE PLASTIC RING OR DISC. ALL SHRUB HEADS SHALL HAVE PURPLE CAPS. DECAL ON RISERS WILL NOT BE ACCEPTED.

FUTURE RECYCLED WATER SYSTEM:

THE PROJECT IS CONNECTED TO A POTABLE WATER SOURCE, BUT CITY REQUEST TO PROVIDE 'PURPLE' COMPONENTS FOR FUTURE RECYCLED WATER SYSTEM IF / WHEN IT WILL BE MADE AVAILABLE. WITH EXCEPTION OF THE BACKFLOW; PROVIDE "PURPLE" BOX COVER, HANDLE, AND TAG, FOR VALVES AND "PURPLE" WATER SOURCE LINES, TYPICAL.

INSPECTION NOTE

THE CITY OF REDLANDS ENGINEERING STAFF SHALL BE NOTIFIED 5-10 DAYS PRIOR TO THE START OF CONSTRUCTION. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.

LICENSED LANDSCAPE ARCHITECT — DEREK SCHMIDT No. 5749 — SIGNATURE — 10-31-23 DATE — RENEWAL DATE 5/25/2023 — STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:

SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
619.236.1462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

Letter	Description	Date	Initial	Initial

Revisions

PROJECT NO.:14-406
PLOT DATE: 5/25/2023
DRAWN BY: PR, LD, CT
CHECKED BY: CT,JJ

Approved By:

Tabitha Crocker
FACILITIES AND COMMUNITY SERVICES DIRECTOR
Date

Sheet 33 of 42 Sheets
Drawing No. LI-2.0

CITY OF REDLANDS

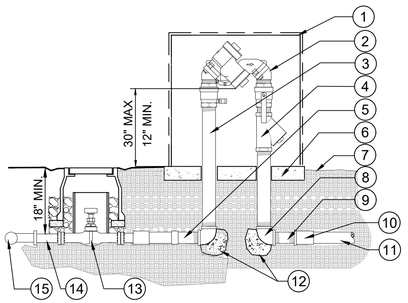
ZANJA TRAIL AND GREENWAY PARK, PHASE 2 PROJECT No.

IRRIGATION DETAILS

2301-LS 22/28

03/30/23 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

G:\Archive--Projects\400 projects\14--406 Mill Creek Zanja Trail Greenway\06--CD's\Zanja Phase 2\14--406 S--IRR DETL PH2.dwg 07/26/2023 08:32



LEGEND:

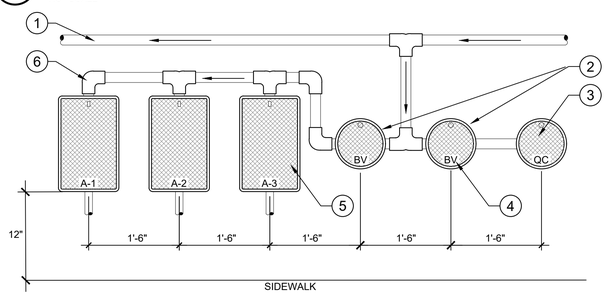
1. 'STRONG BOX' ENCLOSURE WITH LOCKING HARDWARE; INSTALL PER MFG. RECOMMENDATIONS
2. 2" REDUCED PRESSURE BACKFLOW PREVENTION DEVICE MODEL 825YA.
3. BRASS THREADED RISER LENGTH AS NEEDED
4. WYE STRAINER (LINE SIZE)
5. BRASS MALE ADAPTER
6. 6" THICK CONCRETE PAD
7. FINISH SURFACE
8. 4" TYPE "K" COPPER NIPPLE
9. COPPER THREADED ELL (2 REQUIRED)
10. SCH. 40 PVC MALE ADAPTER
11. PVC SUPPLY LINE PER PLANS FROM METER
12. CONCRETE THRUST BLOCKS. 1 CUBIC FT. MIN.
13. 3/4" BALL VALVE PER DETAIL
14. TYPE "K" COPPER LINE (SIZE PER PLAN) WITH COPPER SOLDER FITTINGS AS REQ'D.
15. COPPER TEE AT COPPER LINE FROM METER

NOTES:

A. ALL VALVES, FITTINGS & PIPES SHOWN ARE TO BE LINE SIZED EXCEPT WHERE INDICATED.
B. INSTALLATION SPECIFICATIONS SHOWN ARE SCHEMATIC AND DO NOT SUPERCEDE OR REPLACE ANY CITY OR STATE REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL APPLICABLE CODES.
C. ALL THREADED CONNECTIONS SHALL BE SEALED WITH OVERLAPPING TURNS OF TEFLON TAPE SUFFICIENT TO PREVENT LEAKAGE.
D. BACKFLOW PREVENTER ASSEMBLY SHALL BE TESTED UPON INSTALLATION BY A CERTIFIED BACKFLOW DEVICE TESTER. CONTRACTOR SHALL PROVIDE THE ENGINEER WITH WRITTEN TEST RESULTS COMPLETED BY A CERTIFIED BACKFLOW TESTER PRIOR TO BACKFLOW PREVENTER ASSEMBLY'S ACCEPTANCE BY THE ENGINEER.
E. ALL METAL IN CONTACT WITH CONCRETE SHALL BE POLYETHYLENE WRAPPED USING 2" WIDE PLASTIC BACKED ADHESIVE TAPE MIN. 2 MILS. THICK WITH 1/2" OVERLAP.
F. FACTORY ASSEMBLED DOUBLE CHECK ASSEMBLY REDUCED PRESSURE PRINCIPLE ASSEMBLY SHALL BE INCLUDED IN THE LATEST EDITION OF THE "APPROVED FOR SERVICE ISOLATION IN CALIFORNIA PUBLIC WATER SYSTEMS" ISSUED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES, OFFICE OF DRINKING WATER.

1 BACKFLOW PREVENTER ASSEMBLY

NO SCALE



LEGEND:

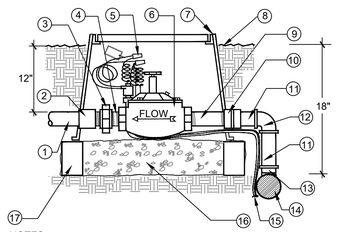
1. PRESSURE SUPPLY LINE (SEE PLAN FOR SIZE)
2. BALL VALVES (SEE IRRIGATION LEGEND)
3. QUICK COUPLER (SEE IRRIGATION LEGEND)
4. HEAT BRAND ALL VALVES
5. ELECTRIC CONTROL VALVE
6. MANIFOLD PIPE-SAME SIZE AS PRESSURE SUPPLY LINE LOCATED UNDERNEATH VALVE BOXES. ALL MAINLINE FITTINGS TO BE SCH. 80 PVC

NOTES:

A. EACH MANIFOLD SHALL HAVE A MAXIMUM OF 15' SEPARATION. ALL MANIFOLDS ARE TO BE INSTALLED IN PLANTER AREAS WHENEVER POSSIBLE.
B. ALL MANIFOLD PIPING AND ISOLATION VALVES TO BE 2" MIN. INTO EACH CONTROL VALVE AND 1" TO EACH Q.C.

4 MANIFOLD CONFIGURATION

NO SCALE



NOTES:

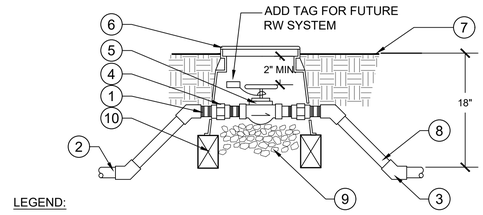
A. ALL THREADED PIPE CONNECTIONS WILL BE SEALED WITH OVERLAPPING WRAPS OF TEFLON TAPE AS REQUIRED TO PREVENT LEAKAGE.
B. WIRE CONNECTORS WILL BE K.B."ONE-STEP" PRE-FILLED TAN) OR EQUAL.
C. DIRECT BURIAL COMMON AND CONTROL WIRES WILL BE COILED TO PROVIDE 12" EXPANSION COILS INSIDE VALVE BOX.
D. PROVIDE EXPANSION COILS AT EACH WIRE CONNECTION IN VALVE BOX. (WRAP AROUND 1/2" PIPE 15 TIMES-REMOVE PIPE)
E. COMPACT SOIL AROUND VALVE BOX TO SAME DENSITY AS UNDISTURBED ADJACENT SOIL.
F. FOR FUTURE RW SERVICE; PROVIDE PURPLE COVER, HANDLE AND TAG.
G. INSTALL WITH 1600 HE MICRO POWER SOLENOID AND SOLENOID ADAPTER FOR SOLAR POWERED CONTROLLER.

LEGEND:

1. PVC LATERAL LINE PER PLAN
2. PVC MALE ADAPTER
3. SCH. 80 PVC UNION, O-RING TYPE LASCO OR EQUAL
4. SCH.80 PVC NIPPLE
5. WATERPROOF WIRE CONNECTORS PER NOTES
6. REMOTE CONTROL ELECTRIC VALVE PER LEGEND
7. 12" RECTANGULAR PLASTIC VALVE BOX (CARSON) WITH LOCKING LID, CONTROLLER AND VALVE NUMBER HEAT BRANDED INTO TOP
8. FINISH GRADE - ALLOW 2" FOR MULCH IN SHRUB BEDS SET FLUSH IN TURF
9. SCH.80 PVC NIPPLE
10. SCH.80 FEMALE ADAPTER (TXS)
11. PVC PIPE
12. SCH.40 PVC ELL (SXS)
13. SCH.40 PVC TEE MAINLINE
14. PRESSURIZED PVC MAINLINE (SXSXS) PER LEGEND
15. 24 VOLT DIRECT BURIAL WIRES FROM CONTROLLER PER LEGEND.
16. 1 CUBIC FOOT PEA GRAVEL MIN. SUPPORTING VALVE BOX
17. UNMORTARED BRICK FOUNDATION

5 REMOTE CONTROL VALVE

NO SCALE

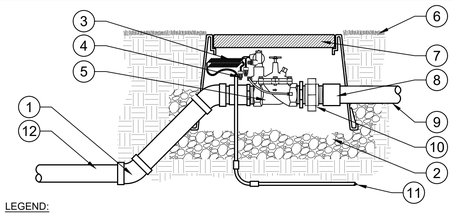


LEGEND:

1. THREADED PVC SCH 80 NIPPLES (NO CLOSE NIPPLES TYP.)
2. PRESSURIZED PVC MAINLINE
3. PVC FEMALE SXT ADAPTER
4. PVC SCH 80 UNION - EITHER SIDE
5. VALVE AS SPECIFIED ON PLANS POSITION VALVE IN BOX SO THAT HANDLE IS FREE TO OPERATE; PROVIDE 'PURPLE' HANDLE FOR FUTURE RW SYSTEM
6. 10" ROUND PLASTIC VALVE BOX FOR 2" VALVE AND SMALLER RECTANGULAR PLASTIC VALVE BOX FOR 2 1/2" VALVE AND LARGER; INSTALL 2" ABOVE FINISHED GRADE IN SHRUB BED; 1/2" ABOVE IN LAWN AREAS. PROVIDE 'PURPLE' COVER FOR FUTURE RW SYSTEM
7. FINISHED GRADE
8. PVC SCH 40 45DEG. FITTING
9. PEA GRAVEL 1/2" DIAMETER (APPROX. 1 CU. FT.)
10. UNMORTARED BRICK FOUNDATION

2 BALL / GATE ISOLATION VALVE

NO SCALE



LEGEND:

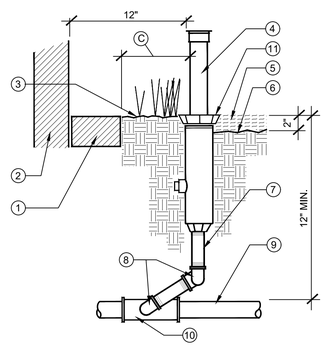
1. SLIP X SLIP 45 DEGREE ELL (2 REQUIRED)
2. ¾" GRAVEL SUMP IN, UNDER, AND AROUND VALVE BOX FILL TO TOP OF VALVE BOXES
3. USE ½" PVC SCRAP TO WRAP 12" OF ADDITIONAL WIRE BEFORE CONNECTING
4. CONNECT WIRES TO VALVE USING WATER TIGHT CONNECTORS
5. MASTER VALVE LEGEND
6. FINISH SURFACE
7. RECTANGULAR CONCRETE VALVE BOX W/ LOCKING HINGED CAST IRON LID. PAINT LID PURPLE FOR RECYCLED WATER USE
8. PVC SCH. 40 MALE ADAPTER (2 REQUIRED)
9. PRESSURE SUPPLY LINE,ALIGN WITH FLOW SENSOR (SEE PLAN FOR SIZE)
10. SCH. 80 PVC UNION O-RING TYPE LASCO OR EQUAL
11. 1-¼" SCH. 40 WIRE CONDUIT WITH SWEEP FOR MASTER VALVE WIRES (TO FLOW SENSOR)
12. PVC PIPE

NOTE:

A. FOR FUTURE RW SYSTEM; PROVIDE PURPLE HANDLE AND LID
B. INSTALL WITH 1600 HE MICRO POWER SOLENOID AND SOLENOID ADAPTER FOR SOLAR POWERED CONTROLLER.

3 MASTER VALVE

NO SCALE



LEGEND:

1. WALK OR CURB
2. BUILDING WALL (WHERE APPLICABLE)
3. FINISH GRADE IN TURF AREAS
4. POP-UP ROTOR HEAD AND NOZZLE
5. MULCH LAYER IN PLANTING AREAS
6. FINISH GRADE IN PLANTING AREAS
7. SCH.80 P.V.C. NIPPLE (2 EACH) SIZE PER HEAD INLET
8. PVC STREET ELL (2 EACH) SIZE PER HEAD INLET
9. PURPLE PVC LATERAL (PER PLAN)
10. PVC TEE OR ELL (SXSXT)
11. PURPLE CAP FOR RECYCLED WATER

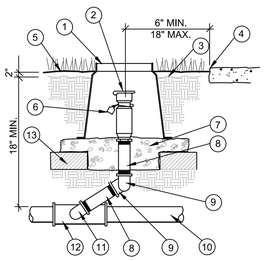
NOTES:

A. ALL P.V.C. FITTINGS SHALL BE SCH. 40 EXCEPT WHERE NOTED.
B. ALL SCH.80 P.V.C. THREADS SHALL BE WRAPPED WITH TEFLON TAPE. OR RECOMMENDED BY MANUFACTURER

C. 3" SPRAY DISTANCE
6" ROTOR DISTANCE

6 POP-UP ROTOR/SPRAY HEAD FOR RECYCLED WATER

NO SCALE



LEGEND:

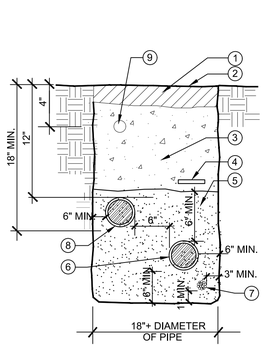
1. 10" ROUND PLASTIC VALVE BOX WITH LOCKING COVER & Q.C. HEAT BRANDED INTO TOP.
2. QUICK COUPLER VALVE, WITH ACME THREADS, PER PLANS
3. FINISH GRADE. ALLOW 2" DEPTH FOR TOP MULCH
4. EDGE OF WALK/FACE OF CURB, FENCE OR MOW BAND
5. GROUND COVER
6. WARNING TAG
7. ONE CUBIC FOOT PEA GRAVEL
8. SCH.80 P.V.C NIPPLE
9. BRASS ELL
10. SCH.40 PURPLE P.V.C. MAINLINE
11. STREET ELLS (2) REQUIRED PER QUICK COUPLER. NO MARLEX (BRASS)
12. SCH.40 P.V.C. TEE
13. COMMON BRICK

NOTES:

A. QUICK COUPLERS SHALL BE OF THE LOCKING TYPE, PURPLE LOCKING CAP FOR RECYCLED WATER SYSTEM.
B. ALL P.V.C. FITTINGS SHALL BE SCH. 40 EXCEPT WHERE NOTED.
C. QUICK COUPLER & VALVE BOX SHALL MEET RECYCLED WATER REQUIREMENTS.
D. ALL SCH.80 P.V.C. THREADS SHALL BE WRAPPED WITH TEFLON TAPE.
E. QUICK COUPLER FOR RECYCLED WATER SHALL BE OF A TYPE APPROVED FOR RECYCLED WATER USE.
F. PROVIDE PURPLE CAP, COVER, AND ACME THREAD MODEL FOR QUICK COUPLERS USED IN RECYCLED WATER SYSTEM.
G. QUICK COUPLERS FOR POTABLE WATER WILL BE LUG TYPE.

7 QUICK COUPLER FOR RECYCLED WATER

NO SCALE



LEGEND:

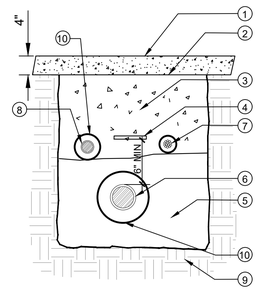
1. IMPORTED TOPSOIL OR AMENDED NATIVE SOIL
2. FINISHED GRADE
3. NATIVE SOIL FREE OF ROCKS AND DEBRIS 3" OR GREATER
4. TRENCH MARKER
5. SAND BEDDING MATERIAL
6. IRRIGATION MAINLINE
7. DIRECT BURIAL CONTROL WIRES
8. IRRIGATION LATERAL LINE
9. IN LINE DRIP TUBING

NOTES:

A. TRENCH MARKER SHALL BE A 3" WIDE CONTINUOUS METALLIC PLASTIC STRIP ABOVE THE MAINLINE AND DIRECT BURIAL CONTROL WIRES.
B. ALL PIPE AND CONTROL WIRE UNDER PAVEMENT SHALL BE INSTALLED IN A P.V.C. SLEEVE PER THE IRRIGATION SPECIFICATIONS.
C. BACKFILL MATERIAL SHALL BE COMPACTED TO A RELATIVE COMPACTION OF 90% MIN.

8 MAINLINE/DIRECT BURIAL CONTROL WIRE

NO SCALE



LEGEND:

1. PAVING PER PLAN
2. FINISHED GRADE
3. CLEAN COMPACTED BACKFILL
4. MARKING STRIP- 2 LAYERS
5. SAND BEDDING MATERIAL
6. IRRIGATION MAINLINE PER PLAN
7. DIRECT BURIAL CONTROL WIRES
8. LATERAL LINES PER PLAN
9. UNDISTURBED SOIL
10. SCH. 80 PVC SLEEVE 2x PIPE SIZE DIAMETER MIN.

NOTES:

A. ALL PIPE AND CONTROL WIRE UNDER PAVEMENT SHALL BE INSTALLED IN A P.V.C. SLEEVE.
B. BACKFILL MATERIAL SHALL BE COMPACTED TO A RELATIVE COMPACTION OF 90% MIN.
C. PRESSURE MAINLINE SHALL BE INSTALLED ON A 6" SAND BED AND COVERED BY 6" OF SAND PRIOR TO ANY OTHER BACKFILL MATERIAL

9 SLEEVING

NO SCALE

COLOR CODING

SPRINKLERS, ROTOR HEADS, AND OTHER TYPES OF DISPERSION HEADS SHALL HAVE THE EXPOSED SURFACE COLORED PURPLE. THE EXPOSED SURFACE SHALL BE COLORED THROUGH THE USE OF INTEGRALLY MOLDED PURPLE PLASTIC OR PERMANENTLY ATTACHED PURPLE PLASTIC RING OR DISC. ALL SHRUB HEADS SHALL HAVE PURPLE CAPS. DECAL ON RISERS WILL NOT BE ACCEPTED.

FUTURE RECYCLED WATER SYSTEM:

THE PROJECT IS CONNECTED TO A POTABLE WATER SOURCE, BUT CITY HAS REQUESTED TO PROVIDE 'PURPLE' COMPONENTS FOR FUTURE RECYCLED WATER SYSTEM IF / WHEN IT WILL BE MADE AVAILABLE. WITH EXCEPTION OF THE BACKFLOW; PROVIDE "PURPLE" BOX COVER, HANDLE, AND TAG, FOR VALVES AND "PURPLE" WATER SOURCE LINES, TYPICAL.

Accepted By:

GOUTAM K. DOBEY
CITY ENGINEER RCE 75646

12/19/2023
Date

INSPECTION NOTE

THE CITY OF REDLANDS ENGINEERING STAFF SHALL BE NOTIFIED 5-10 DAYS PRIOR TO THE START OF CONSTRUCTION. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.

LICENSED LANDSCAPE ARCHITECT
CATHRA SCHMIDT No. 5330
SIGNATURE
10-31-23
RENEWAL DATE
5/25/2023
DATE
STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:

SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
619.236.1462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

Letter	Description	Date	Initial	Initial
	Revisions			

CITY OF REDLANDS

ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No.

IRRIGATION DETAILS

PROJECT NO.:14-406
PLOT DATE: 5/25/2023
DRAWN BY: PR, LD, CT
CHECKED BY: CT,JJ

Approved By:

Tabitha Crocker
FACILITIES AND COMMUNITY SERVICES DIRECTOR

Date

Sheet 34 of 42 Sheets
Drawing No. LI-2.1

2301-LS 23/28

03/30/23 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

O:\Archive-Projects\400 projects\14-406 Mill Creek Zanja Trail Greenway\06-CD's\Zanja Phase 2\14-406 S-IRR DETL PH2.dwg 07/26/2023 08:32

IRRIGATION SPECIFICATIONS

PART 1.00 GENERAL

1.01 GENERAL REQUIREMENTS

A. THE CONTRACTOR SHALL FURNISH ALL LABOR, TOOLS, MACHINERY, MATERIALS, AND PROCESSES NECESSARY TO COMPLETE THE IRRIGATION SYSTEM DESCRIBED HEREIN AND SHOWN ON THE CONTRACT DOCUMENTS.

B. CONTRACTOR SHALL VISIT THE SITE TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND SITE RESTRICTIONS.

C. EXISTING UTILITIES AND FIELD CONDITIONS: PRIOR TO EXCAVATION, LOCATE ALL CABLES, CONDUITS, AND UNDERGROUND UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR AN UNDERGROUND UTILITY SERVICE TO LOCATE AND MARK UTILITIES. CONTRACTOR WILL TAKE PROPER PRECAUTIONS NOT TO DAMAGE OR DISTURB SUCH UNDERGROUND IMPROVEMENTS. NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY IF A CONFLICT EXISTS BETWEEN SUCH OBSTACLES AND THE PROPOSED WORK. PROCEED IN SAME MANNER IF ROCK LAYERS OR ANY OTHER CONDITIONS ENCOUNTERED UNDERGROUND MAKE CHANGES ADVISABLE.

D. THE CONTRACTOR SHALL NOT WILLFULLY INSTALL THE SPRINKLER SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES OR DIFFERENCES IN AREA DIMENSIONS ARE FOUND. SUCH OBSTRUCTIONS OR DIFFERENCES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. IN THE EVENT THIS NOTIFICATION IS NOT PERFORMED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REVISIONS NECESSARY.

E. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL REPAIRS MADE NECESSARY BY THE NEGLIGENCE OF HIS CREWS.

F. THE GENERAL AND SPECIAL CONDITIONS AND NOTES OF THE CONTRACT APPLY TO THE WORK OF THIS SECTION THE SAME AS THOUGH WRITTEN HEREIN.

1.02 ORDINANCES AND REGULATIONS

A. ALL LOCAL, MUNICIPAL AND STATE LAWS AND RULES & REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR. ANYTHING CONTAINED IN THE SPECIFICATIONS SHALL NOT BE CONSTRUED TO CONFLICT WITH ANY OF THE ABOVE RULES, REGULATIONS, OR REQUIREMENTS OF THE SAME. HOWEVER, WHEN THE SPECIFICATIONS AND/OR CONTRACT DOCUMENTS CALL FOR, OR DESCRIBE MATERIALS, WORKMANSHIP OR CONSTRUCTION OF HIGHER QUALITY, HIGHER STANDARDS OR A LARGER SIZE, SPECIFICATIONS AND/OR CONTRACT DOCUMENTS SHALL TAKE PRECEDENCE OVER THE REQUIREMENTS OF THE SAID RULES AND REGULATIONS.

B. CONTRACTOR SHALL OBTAIN PERMITS AND PAY ALL FEES ASSOCIATED WITH THE CONSTRUCTION OF THE IMPROVEMENTS.

1.03 SCOPE OF WORK

A. THE WORK INCLUDES ALL SERVICES, LABOR, MATERIALS, EQUIPMENT AND TRANSPORTATION NECESSARY TO PERFORM THE WORK ON THE CONTRACT DOCUMENTS AND AS SPECIFIED HEREIN AND AS REQUIRED TO COMPLETE THE CONTRACT PROPERLY. THE CONTRACTOR SHALL PROTECT THE WORK, ADJACENT PROPERTY AND THE PUBLIC, AND SHALL BE RESPONSIBLE FOR ANY DAMAGE, INJURY AND LOSS DUE TO HIS ACTS OR NEGLECT.

B. THE CONTRACTOR SHALL SUBMIT UNIT COSTS TO THE OWNER FOR ADDITIONS OR DELETIONS TO THE CONTRACT DOCUMENTS.

C. WORK NOT INCLUDED: N.I.C., BY OTHERS, EXISTING

1.04 SCHEDULE OF WORK

A. UPON AWARD OF THE CONTRACT A WORK SCHEDULE SHALL BE SUBMITTED TO THE OWNER FOR CARRYING OUT THE WORK. UPON APPROVAL, NO MODIFICATIONS SHALL BE MADE TO THIS SCHEDULE WITHOUT THE WRITTEN APPROVAL OF THE OWNER.

B. FINISH GRADING AND LANDSCAPE INSTALLATION SCHEDULE OF WORK SHALL BE PERFORMED DURING THOSE PERIODS WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE.

1.05 COORDINATION

A. CONTRACTOR SHALL REPORT TO THE LANDSCAPE ARCHITECT ANY DEVIATIONS BETWEEN CONSTRUCTION CONTRACT DOCUMENTS, SPECIFICATIONS, AND THE SITE. FAILURE TO DO SO PRIOR TO THE INSTALLATION OF THE IMPROVEMENTS AND RESULTING IN REPLACING, AND/OR RELOCATING IMPROVEMENTS, SHALL BE AT THE CONTRACTOR'S EXPENSE.CARE SHALL BE TAKEN TO COORDINATE THE WORK AT ALL TIMES WITH OTHER CONTRACTORS WORKING IN AND ADJACENT TO THE AREAS IN THIS CONTRACT. THIS IS TO INSURE AN ORDERLY AND EFFICIENT INSTALLATION PROCEDURE, AND TO MINIMIZE CONFLICTS WITH OTHER CONSTRUCTION OPERATIONS.

1.06 EXPLANATION OF CONTRACT DOCUMENTS

A. DUE TO THE SCALE OF CONTRACT DOCUMENTS, IT IS NOT POSSIBLE TO SHOW ALL OFFSETS, FITTING, OR SLEEVES WHICH MAY BE REQUIRED. CAREFULLY INSPECT ALL CONDITIONS OF WORK ACCORDING TO THE ACTUAL SITE AND PLAN INSTALLATION ACCORDINGLY FURNISHING ALL PIPE AND FITTINGS TO MEET THE SYSTEMS REQUIREMENTS. CONTRACTOR SHALL REPORT ANY CONFLICTS PRIOR TO BEGINNING WORK. WORK SHALL BE INSTALLED IN SUCH A MANNER AS TO AVOID CONFLICTS BETWEEN IRRIGATION SYSTEMS, PLANTING AND ARCHITECTURAL FEATURES.

1.07 SUBSTITUTIONS

A. NO SUBSTITUTIONS OF IRRIGATION EQUIPMENT OR OTHER CONSTRUCTION MATERIALS WILL BE PERMITTED WITHOUT THE WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT. IF IRRIGATION EQUIPMENT SUBSTITUTIONS ARE ACCEPTED AND ARE OF LESS VALUE THEN THOSE SPECIFIED, THE CONTRACT PRICE WILL BE ADJUSTED IN ACCORDANCE WITH THE PROVISIONS OF THE CONTRACT.

B. THE RIGHT TO CHANGE: THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO CHANGE THE MANUFACTURER, MODEL, AND/OR SIZES OF IRRIGATION EQUIPMENT TO BE FURNISHED, PROVIDED THAT THE COST OF SUCH EQUIPMENT CHANGES DO NOT EXCEED THE COST OF THE IRRIGATION EQUIPMENT IN THE ORIGINAL BID. THE CONTRACTOR SHALL BE NOTIFIED AND THE CHANGES CONFIRMED IN WRITING PRIOR TO THE IRRIGATION INSTALLATION OPERATION COMMENCING. CHANGES IN ANY IRRIGATION EQUIPMENT FURNISHED THAT REQUIRES A REDUCTION OR ADDITION IN COST SHALL REQUIRE AN ADJUSTMENT IN THE CONTRACT COST.

1.08 REJECTIONS

A. ANY IRRIGATION EQUIPMENT AND/OR WORK MAY BE REJECTED IF IN THE OPINION OF THE LANDSCAPE ARCHITECT SUCH DOES NOT MEET THE REQUIREMENT AND THE SPECIFICATIONS. ALL REJECTED WORK AND/OR IRRIGATION EQUIPMENT SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR AT HIS EXPENSE. REJECTED WORK SHALL BE REDONE IN A TIMELY MANNER AND APPROVED BY THE LANDSCAPE ARCHITECT.

1.09 SUBMITTALS

A. SUBSTITUTIONS: DIGITAL COPIES OF CATALOG INFORMATION ON MATERIALS WHICH ARE TO BE SUBMITTED FOR SUBSTITUTION. COMPLETE MATERIAL LIST SHALL BE SUBMITTED PRIOR TO PERFORMING ANY WORK. NO SUBSTITUTION WILL BE PERMITTED WITHOUT PRIOR WRITTEN APPROVAL BY THE LANDSCAPE ARCHITECT.

1.10 RECORD CONTRACT DOCUMENTS (AS-BUILT) INFORMATION

A. A SET OF CONTRACT DOCUMENTS SHALL BE KEPT AT THE SITE OFFICE DURING CONSTRUCTION. ALL WORK THAT IS INSTALLED SHALL BE REVIEWED FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS. IF NEW WORK OR WORK AS SHOWN ON THE CONTRACT DOCUMENTS IS DIFFERENT, THE CONTRACTOR SHALL NOTE THE INSTALLATION 'RECORD DRAWING'. THE MARKED CONTRACT DOCUMENTS SHALL BE KEPT CURRENT AS THE WORK PROGRESSES AND SHALL BE AVAILABLE FOR INSPECTION BY THE LANDSCAPE ARCHITECT UPON REQUEST. AT 2 WEEKS PRIOR TO THE "NOTICE OF COMPLETION", THESE OR A COPY OF THE AS-BUILT CONTRACT DOCUMENTS SHALL BE DELIVERED TO THE LANDSCAPE ARCHITECT.

1.11 DELIVERY, STORAGE, AND HANDLING

A. DELIVER, UNLOAD, STORE, AND HANDLE MATERIALS, PACKAGING, BUNDLING, PRODUCTS, IN DRY, WEATHERPROOF, WATERPROOF CONDITION IN MANNER TO PREVENT DAMAGE, BREAKAGE, DETERIORATION, INTRUSION, IGNITION, EXCESSIVE EXPOSURE TO SUN, AND VANDALISM. DELIVER IN ORIGINAL UNOPENED PACKAGING CONTAINERS PROMINENTLY DISPLAYING MANUFACTURER NAME, VOLUME, QUANTITY, CONTENTS, INSTRUCTIONS, AND CONFORMANCE TO LOCAL, STATE, AND FEDERAL LAW. REMOVE AND REPLACE CRACKED, BROKEN, OR CONTAMINATED ITEMS OR ELEMENTS PREMATURELY EXPOSED TO MOISTURE, INCLEMENT WEATHER, SNOW, ICE, TEMPERATURE EXTREMES, FIRE, OR JOB SITE DAMAGE.

B. HANDLING OF PVC PIPE - EXERCISE CARE IN HANDLING, LOADING AND STORING OF PVC PIPE. ALL PVC PIPE SHALL BE TRANSPORTED IN A VEHICLE WHICH ALLOWS LENGTH OF PIPE TO LIE FLAT SO AS NOT TO SUBJECT IT TO UNDUE BENDING OR CONCENTRATED EXTERNAL LOADS. ALL SECTIONS OF PIPE THAT HAVE BEEN DENTED OR DAMAGED SHALL BE DISCARDED, AND IF INSTALLED, SHALL BE REMOVED AND REPLACED WITH NEW PIPING.

1.12 PUBLIC SAFETY

A. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO INSURE THE SAFETY OF ALL WORKERS, PEDESTRIANS AND ADJACENT PROPERTY IN ACCORDANCE WITH CALIFORNIA/OSHA REQUIREMENTS. THE LANDSCAPE ARCHITECT AND/OR CONSULTANTS DO NOT PRACTICE OR CONSULT IN THE FIELD OF SAFETY ENGINEERING. THE LANDSCAPE ARCHITECT DOES NOT DIRECT THE CONTRACTORS AT THE SITE. THE SAFETY OF OTHERS IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IF HE CONSIDERS ANY OF THE RECOMMENDED ACTIONS IN THE CONTRACT DOCUMENTS TO BE UNSAFE.

B. PROTECTION OF PROPERTY:
1. PRESERVE AND PROTECT ALL TREES, PLANTS, MONUMENTS, STRUCTURES, AND PAVED AREAS FROM DAMAGE DUE TO WORK OF THIS SECTION. IN THE EVENT DAMAGE DOES OCCUR, ALL DAMAGE SHALL BE COMPLETELY REPAIRED OR REPLACED TO SATISFACTION OF OWNER AND PAID BY CONTRACTOR.
2. PROTECT BUILDINGS, WALKS, WALLS, AND OTHER PROPERTY FROM DAMAGE. MARK AND BARRICADE OPEN DITCHES. DAMAGE CAUSED TO ASPHALT, CONCRETE, OR OTHER BUILDING MATERIAL SURFACES SHALL BE REPAIRED OR REPLACED AT NO COST TO OWNER. RESTORE DISTURBED AREAS TO ORIGINAL CONDITION. REPLACEMENT OF PAVING AND CURBS - WHERE TRENCHES AND LINES CROSS EXISTING ROADWAYS, PATHS, CURBING, ETC., DAMAGE TO THESE SHALL BE KEPT TO A MINIMUM AND SHALL BE RESTORED TO ORIGINAL CONDITION.

C. PROTECTION AND REPAIR OF UNDERGROUND LINES
1. REQUEST PROPER UTILITY COMPANY TO STAKE EXACT LOCATION AND DEPTH OF ALL UNDERGROUND ELECTRIC, GAS, OR TELEPHONE LINES. TAKE WHATEVER PRECAUTIONS ARE NECESSARY TO PROTECT THESE UNDERGROUND LINES FROM DAMAGE. IN THE EVENT DAMAGE DOES OCCUR, ALL DAMAGE SHALL BE REPAIRED BY CONTRACTOR, AND ALL COSTS OF SUCH REPAIRS SHALL BE PAID BY CONTRACTOR.

1.13 WARRANTY/GUARANTEE

A. CONTRACTOR SHALL WARRANT MATERIALS AGAINST DEFECTS FOR A PERIOD OF ONE YEAR FROM NOTICE OF COMPLETION. CONTRACTOR SHALL GUARANTEE WORKMANSHIP FOR THE SAME PERIOD. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING MATERIAL WARRANTY ITEMS WITH MANUFACTURER/DISTRIBUTOR.

B. SETTLING OF BACKFILLED TRENCHES WHICH MAY OCCUR DURING GUARANTEE PERIOD SHALL BE REPAIRED BY CONTRACTOR AT NO EXPENSE TO OWNER, INCLUDING COMPLETE RESTORATION OF DAMAGED PROPERTY.

C. EXPENSES DUE TO VANDALISM PRIOR TO NOTICE OF COMPLETION SHALL BE BORNE BY CONTRACTOR.

1.14 MAINTENANCE

A. FURNISH THE FOLLOWING MAINTENANCE ITEMS TO OWNER PRIOR TO NOTICE OF COMPLETION:
1. FIVE IRRIGATION HEADS WITH NOZZLES(OF EACH TYPE USED FOR EVERY 100 IRRIGATION HEADS, OR PORTIONS THEREOF, USED).
2. THREE SETS OF SPECIAL TOOLS REQUIRED FOR REMOVING, DISASSEMBLING, AND ADJUSTING EACH TYPE OF VALVE SUPPLIED ON THIS PROJECT.
3. TWO SETS OF KEYS FOR EACH AUTOMATIC CONTROLLER AND LOCKING VALVE BOXES.
4. OPERATION MANUALS FOR CONTROLLERS AND ANY OTHER EQUIPMENT USED ON PROJECT.
5. A REDUCED KEY MAP OF THE SITE HIGHLIGHTING EACH VALVE CONTROL AREA WITH A DIFFERENT COLOR. THIS MAP SHALL BE LAMINATED AND SHALL FIT INSIDE OF THE CONTROLLER BOX.

PART 2.00 MATERIALS

2.01 PIPE AND FITTINGS

A. MAIN LINES (CONSTANT PRESSURE) 2" AND LARGER SHALL BE POLYVINYL-CHLORIDE(PVC) 1120-160/200 P.S.I., CLASS 315 WITH SOLVENT WELD CONNECTIONS; 1-1/2" AND SMALLER SHALL BE PVC SCHEDULE 40.
1. SOLVENT WELD MAIN LINE: AT CHANGES IN DIRECTION OR BRANCH MAINS, USE APPROPRIATE SCHEDULE 40 PVC FITTINGS AS APPROVED BY THE UNIFORM PLUMBING CODE.

B. LATERAL LINES (NON-PRESSURE) 3/4" AND LARGER SHALL BE CLASS 200 PVC PIPE. MINIMUM SIZE SHALL BE 3/4".
1. SOLVENT WELD LATERAL LINE: AT CHANGES IN DIRECTION OR BRANCH MAINS, USE APPROPRIATE SCHEDULE 40 PVC FITTINGS AS APPROVED BY THE UNIFORM PLUMBING CODE.

C. FLEXIBLE TUBING SHALL BE PVC FLEXIBLE AS SPECIFIED IN CONTRACT DOCUMENTS.

D. CONNECTIONS BETWEEN MAIN LINES AND REMOTE CONTROL VALVES SHALL BE OF SCHEDULE 80 PVC (THREADED BOTH ENDS) NIPPLES AND FITTINGS.

E. RISERS SHALL BE AS FOLLOWS: SCHEDULE 80 PVC THREADED NIPPLES AND SCHEDULE 80 PVC ELLS AS SHOWN IN THE CONSTRUCTION DETAILS.

2.02 MISCELLANEOUS INSTALLATION MATERIALS

A. SOLVENT CEMENT AND PRIMER FOR SOLVENT WELD JOINTS SHALL BE OF MAKE AND TYPE APPROVED BY MANUFACTURER(S) OF PIPE AND FITTINGS. CEMENT SHALL BE MAINTAINED AT PROPER CONSISTENCY THROUGHOUT USE.

B. LUBRICANT FOR ASSEMBLING RUBBER RING SEAL JOINTS SHALL BE OF MAKE AND TYPE APPROVED BY MANUFACTURER OF PIPE.

C. PIPE JOINT COMPOUND SHALL BE NON-HARDENING, NON-TOXIC MATERIALS DESIGNED SPECIFICALLY FOR USE ON THREADED CONNECTIONS IN WATER CARRYING PIPE. PERFORMANCE SHALL BE SAME AS TEFLON TAPE.

2.03 MISCELLANEOUS EQUIPMENT

A. PROVIDE ALL EQUIPMENT CALLED FOR BY THE CONTRACT DOCUMENTS.

B. VALVE BOXES:
1. MANUAL VALVES, DRIP LINE BLOW-OUT STUBS, AND WIRE SPLICE BOX -10" CIRCULAR BOX.
2. 3/4 INCH THROUGH 2 INCH CONTROL VALVES - PER DETAIL.
3. DRIP VALVE ASSEMBLIES - PER DETAIL.

C. CONTROLLER PER PLANS.

D. CONTROL WIRE CONNECTIONS AND SPLICES SHALL BE MADE WITH 3M-DBY OR DBR-6 WIRE CONNECTORS WITH PAIGE - ID1-BLU 14 GAUGE JACKETED DECODER CABLE. DIRECT BURY SPLICE.
1. HIGH VOLTAGE - WIRE SIZE AND TYPE SHALL BE AS REQUIRED BY LOCAL CODES, ORDINANCES AND PROPER SIZE TO ACCOMMODATE NEEDS OF EQUIPMENT SERVICED.

E. ELECTRIC CONTROL VALVES - AS SPECIFIED IN CONTRACT DOCUMENTS.

F. SPRINKLER HEADS - AS SPECIFIED IN CONTRACT DOCUMENTS. FABRICATE RISER UNITS IN ACCORDANCE WITH DETAILS IN CONTRACT DOCUMENTS - WITH RISER NIPPLES OF SAME SIZE AS RISER OPENING IN SPRINKLER BODY.

G. EMITTERS - SHALL BE AS SPECIFIED IN CONTRACT DOCUMENTS.

H. PRESSURE GAUGES - SHALL BE AS SPECIFIED IN CONTRACT DOCUMENTS.

I. STRAINER - SHALL BE AS SPECIFIED IN CONTRACT DOCUMENTS.

J. BALL VALVES - AS SPECIFIED IN CONTRACT DOCUMENTS.

K. FLUSH VALVES - AS SPECIFIED IN CONTRACT DOCUMENTS.

PART 3.00 - INSTALLATION

3.01 PREPARATION

A. SCHEDULE AND COORDINATE PLACEMENT OF MATERIALS AND EQUIPMENT IN MANNER TO EFFECT THE EARLIEST COMPLETION OF WORK IN CONFORMANCE WITH CONSTRUCTION AND PROGRESS SCHEDULE.

3.02 LAYOUT

A. LAY OUT WORK AS ACCURATELY AS POSSIBLE IN ACCORDANCE WITH DIAGRAMMATIC CONTRACT DOCUMENTS. WHERE CONDITIONS DO NOT PERMIT LOCATION OF PIPING, VALVES AND HEADS WHERE SHOWN, NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY TO DETERMINE RELOCATION.

B. RUN PIPELINES AND AUTOMATIC CONTROL WIRING IN COMMON TRENCHES WHEREVER PRACTICAL.

C. THE IRRIGATION SYSTEM IS SHOWN DIAGRAMMATICALLY FOR CLARITY. LOCATE ALL PIPING, VALVES, BACKFLOW PREVENTERS, AND OTHER IRRIGATION EQUIPMENT WITHIN PLANTING AREAS UNLESS NOTED OR DIRECTED OTHERWISE. LOCATE ALL VALVES AND VALVE BOXES SIX INCHES FROM EDGE OF PAVING OR CURB.

3.03 EXCAVATING AND TRENCHING

A. ALL PIPING AND WIRING UNDER ROADWAYS AND PAVING AND THROUGH WALLS SHALL BE SLEEVED.

B. INSTALL SLEEVING UNDER NEW AND EXISTING ASPHALT PAVING AND CONCRETE WALKS, TO ACCOMMODATE PIPING AND WIRING.

C. TRENCHING - TRENCH EXCAVATION SHALL FOLLOW, AS MUCH AS POSSIBLE, LAYOUT SHOWN IN CONTRACT DOCUMENTS. DIG TRENCHES STRAIGHT AND SUPPORT PIPE CONTINUOUSLY ON BOTTOM OF TRENCH. TRENCH BOTTOM SHALL BE CLEAN AND SMOOTH WITH ALL ROCK AND ORGANIC DEBRIS REMOVED. PRESSURE SUPPLY LINE TRENCHES SHALL BE OVER-EXCAVATED AS REQUIRED TO ALLOW FOR BEDDING MATERIAL.
2. CLEARANCES:
2.1. PIPING SMALLER THAN 3 INCHES - TRENCHES SHALL HAVE A MINIMUM WIDTH OF 7 INCHES.
2.2. LINE CLEARANCE - PROVIDE NOT LESS THAN 6 INCHES OF CLEARANCE BETWEEN EACH LINE, AND NOT LESS THAN 12 INCHES OF CLEARANCE BETWEEN LINES OF OTHER TRADES.
3. PIPE AND WIRE DEPTH:
3.1. PRESSURE PIPING - 18 INCHES FROM TOP OF PIPE TO FINISHED GRADE.
3.2. NON-PRESSURE PIPING - 12 INCHES FROM TOP OF PIPE TO FINISHED GRADE.
3.3. CONTROL WIRING - SIDE OF PRESSURE SUPPLY LINE.
4. BORING WILL BE PERMITTED ONLY WHERE PIPE MUST PASS UNDER OBSTRUCTION(S) WHICH CANNOT BE REMOVED. IN BACKFILLING BORE, FINAL DENSITY OF BACKFILL SHALL MATCH THAT OF SURROUNDING SOIL. IT IS ACCEPTABLE TO USE SLEEVES OF SUITABLE DIAMETER INSTALLED FIRST BY JACKING OR BORING, AND PIPE LAID THROUGH SLEEVES. OBSERVE SAME PRECAUTIONS AS THOUGH PIPE WERE INSTALLED IN OPEN TRENCH.

D. PROVIDE PULL BOXES FOR CONTROL WIRING LOCATED UNDER PAVING ALL CHANGES IN DIRECTION GREATER THAN FORTY-FIVE (45) DEGREES AND WHERE WIRE RUNS EXCEED TWO HUNDRED FEET (200') IN LENGTH. WIRE SPLICES SHALL BE MADE IN PULL BOXES OR CONTROL VALVE BOXES ONLY.

3.04 ASSEMBLING PIPELINES

A. ALL PIPE SHALL BE ASSEMBLED FREE FROM DIRT AND PIPE SCALE. FIELD CUT ENDS SHALL BE REAMED ONLY TO FULL DIAMETER WITH ROUGH EDGES AND BURRS REMOVED.

B. SOLVENT WELD JOINT: EACH INSTALLER SHALL BE PROPERLY TRAINED IN TECHNIQUES FOR MAKING CORRECT JOINTS PRIOR TO PERFORMING WORK ON THE SITE:
7. PREPARE JOINT BY FIRST MAKING SURE THE PIPE END IS SQUARE, THEN DEBURRING THE PIPE END AND CLEANING PIPE AND FITTING OF DIRT, DUST AND MOISTURE.
8. SNAKE PIPE IN TRENCH AS MUCH AS POSSIBLE TO ALLOW FOR EXPANSION AND CONTRACTION.
9. DRY-INSERT PIPE INTO FITTING TO CHECK FOR MIS-SIZING. PIPE SHOULD ENTER FITTING 1/3 TO 2/3 DEPTH OF SOCKET.
10. LAY PIPE AND MAKE ALL PLASTIC TO PLASTIC JOINTS IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
11. SOLVENT WELD JOINTS SHALL BE MADE BY PROCESS AND MATERIALS AS RECOMMENDED BY THE MANUFACTURER.
12. CURE JOINT A MINIMUM OF THIRTY (30) MINUTES BEFORE HANDLING AND AT LEAST (24) HOURS BEFORE ALLOWING WATER IN THE PIPE.

C. THREADED JOINT:
1. FIELD THREADING OF PLASTIC PIPE OR FITTINGS IS NOT PERMITTED. FACTORY- FORMED THREADS ONLY WILL BE PERMITTED.
2. FACTORY-MADE NIPPLES SHALL BE USED WHEREVER POSSIBLE. FIELD-CUT THREADS IN METALLIC PIPE WILL BE PERMITTED ONLY WHERE ABSOLUTELY NECESSARY. WHEN FIELD THREADING, CUT THREADS ACCURATELY ON AXIS WITH SHARP DIES.
3. ALL THREADED METALLIC JOINTS SHALL BE MADE UP WITH PIPE JOINT COMPOUND. APPLY COMPOUND TO MALE THREADS ONLY-USING CARE NOT TO ALLOW EXCESS COMPOUND FROM ENTERING PIPELINE. THREADED PVC PLASTIC JOINTS SHALL BE MADE UP WITH OVERLAPPING TURNS OF 3/4" TEFLON TAPE AS REQUIRED TO PREVENT LEAKAGE.
4. WHERE ASSEMBLING METALLIC PIPE TO METALLIC FITTING OR VALVE, NO MORE THAN THREE (3) FULL THREADS SHALL BE VISIBLE WHEN JOINT IS MADE UP.
5. WHERE ASSEMBLING SOFT METAL (BRASS OR COPPER) OR PLASTIC PIPE, USE STRAP TYPE FRICTION WRENCH ONLY; DO NOT USE METAL-JAWED WRENCH.

D. CAP OR PLUG OPENINGS AS PIPELINE IS ASSEMBLED TO PREVENT ENTRANCE OF DIRT OR OTHER OBSTRUCTIONS. REMOVE CAPS OR PLUGS ONLY WHEN NECESSARY TO CONTINUE ASSEMBLY.

E. WHERE PIPES OR CONTROL WIRES PASS THROUGH SLEEVES, PROVIDE REMOVABLE NON-DECAYING PLUG AT ENDS OF SLEEVE TO PREVENT ENTRANCE OF EARTH.

3.05 REMOTE CONTROL VALVES

A. INSTALL WHERE SHOWN IN CONTRACT DOCUMENTS AND GROUP TOGETHER WHERE PRACTICAL. LIMIT ONE REMOTE CONTROL VALVE PER BOX.

B. LOCATE VALVE BOXES 12" FROM AND PERPENDICULAR TO WALK EDGES, BUILDINGS AND WALLS. PROVIDE 6" BETWEEN VALVE BOXES WHERE VALVES ARE GROUPED TOGETHER.

C. THOROUGHLY FLUSH MAIN LINE BEFORE INSTALLING VALVE(S).

D. INSTALL IN SHRUB OR GROUND COVER AREAS WHERE POSSIBLE.

E. LABEL CONTROL LINE WIRE AT EACH VALVE WITH A 2 1/4" X 2 3/4" POLYURETHANE ID. TAG, INDICATING IDENTIFICATION NUMBER OF VALVE (CONTROLLER AND STATION NUMBER). ATTACH LABEL TO CONTROL WIRE AND LOCATE INSIDE VALVE BOX.

F. INSTALL VALVE BOXES FLUSH WITH GRADE IN LAWN AREAS AND 2" ABOVE GRADE IN SHRUB AREAS.

3.06 AUTOMATIC CONTROL WIRING

A. RUN WIRING ALONG PRESSURIZED MAINLINES WHEREVER PRACTICAL.

B. LOOP WIRE IN EACH VALVE BOX.

C. SPLICING WILL BE PERMITTED ONLY ON RUNS EXCEEDING 2500 FEET. LOCATE ALL SPLICES AT VALVE LOCATIONS WITHIN VALVE BOXES.

D. WHERE CONTROL LINES PASS UNDER PAVING, THEY SHALL PASS THROUGH SCHEDULE 40 ELECTRICAL PVC CONDUIT.

E. INSTALL ALL CONTROL WIRE SPLICES NOT OCCURRING AT CONTROL VALVE IN A SEPARATE SPLICE VALVE BOX.

3.07 AUTOMATIC CONTROLLER

A. PROVIDE AND INSTALL AUTOMATIC IRRIGATION CONTROLLER IN APPROXIMATE LOCATIONS SHOWN IN CONTRACT DOCUMENTS. VERIFY THE EXACT LOCATION ON THE SITE WITH THE LANDSCAPE ARCHITECT. PROVIDE CONDUIT AND WIRE AND CONNECT TO 120 VOLT SWITCH (POWER BY OTHERS) ACCESSIBLE TO CONTROLLER FOR EASE OF MAINTENANCE.

B. CONNECT CONTROL LINES TO CONTROLLER IN SEQUENTIAL ARRANGEMENT ACCORDING TO ASSIGNED IDENTIFICATION NUMBER OF VALVE. EACH CONTROL LINE WIRE SHALL BE LABELED AT CONTROLLER WITH A PERMANENT NON-FADING LABEL INDICATING STATION NUMBER OF VALVE CONTROLLED. ATTACH LABEL TO CONTROL WIRE.

3.08 BACKFILLING

A. BACKFILLING - DO NOT BEGIN BACKFILLING OPERATIONS UNTIL REQUIRED SYSTEM TESTS HAVE BEEN COMPLETED. LEAVE TRENCHES SLIGHTLY MOUNDED TO ALLOW FOR SETTLEMENT AFTER BACKFILLING IS COMPLETED. TRENCHES SHALL BE FINISH GRADED PRIOR TO WALK-THROUGH OF SYSTEM BY LANDSCAPE ARCHITECT.
1. MATERIALS - EXCAVATED MATERIAL IS GENERALLY CONSIDERED SATISFACTORY FOR BACKFILL PURPOSES AFTER COMPLETING BEDDING REQUIREMENTS. BACKFILL MATERIAL SHALL BE FREE OF RUBBISH, VEGETABLE MATTER, FROZEN MATERIALS, AND STONES LARGER THAT 2 INCHES IN MAXIMUM DIMENSION. DO NOT MIX SUBSOIL WITH TOPSOIL. MATERIAL NOT SUITABLE FOR BACKFILL SHALL BE HAULED AWAY. CONTRACTOR SHALL PROVIDE SUITABLE BACKFILL IF EXCAVATED MATERIAL IS UNACCEPTABLE OR NOT OF SUFFICIENT AMOUNT TO MEET BACKFILL, COMPACTION, AND FINAL GRADE REQUIREMENTS.
2. OPEN EXCAVATIONS SHALL BE PROTECTED IN ACCORDANCE WITH OSHA REGULATIONS.
3. COMPACT BACKFILL TO 90% MAXIMUM DENSITY IN 6" LIFTS, DETERMINED IN ACCORDANCE WITH ASTM D155-7 UTILIZING THE FOLLOWING METHODS:
3.1. MECHANICAL TAMPING .
3.2. PUDDLING OR PONDING. PUDDLING OR PONDING AND/OR JETTING IS PROHIBITED WITHIN 10'-0" OF BUILDING OR FOUNDATION WALLS.

B. PIPING UNDER PAVING:
1. PROVIDE FOR A MINIMUM COVER OF 24 INCHES BETWEEN THE TOP OF THE PIPE AND THE BOTTOM OF THE AGGREGATE BASE FOR ALL PRESSURE AND NON-PRESSURE PIPING INSTALLED UNDER ASPHALTIC CONCRETE OR CONCRETE PAVING.
2. PIPING LOCATED UNDER AREAS WHERE ASPHALT OR CONCRETE PAVING WILL BE INSTALLED SHALL BE BEDDED WITH CONSTRUCTION GRADE SAND OR SQUEEGEE (A LAYER 6 INCHES BELOW PIPE AND 4 INCHES ABOVE PIPE),
3. COMPACT BACKFILL MATERIAL IN 6 INCH LIFTS AT 95% MAXIMUM DENSITY DETERMINED IN ACCORDANCE WITH ASTM D1557 USING MANUAL OR MECHANICAL TAMPING DEVICES
4. SET IN PLACE, CAP, AND PRESSURE TEST ALL PIPING UNDER PAVING, IN PRESENCE OF OWNER PRIOR TO BACKFILLING AND PAVING OPERATIONS.
5. PIPING UNDER EXISTING WALKS OR CONCRETE PAVEMENT SHALL BE DONE BY JACKING, BORING, OR HYDRAULIC DRIVING, BUT WHERE CUTTING OR BREAKING OF WALKS AND/OR CONCRETE IS NECESSARY, IT SHALL BE DONE AND REPLACED AT NO COST TO OWNER. OBTAIN PERMISSION AND PRIOR APPROVAL TO CUT OR BREAK WALKS AND/OR CONCRETE FROM OWNER.

3.09 DRIP LINE TUBING / EMITTER LAYOUT

A. LOCATE TUBING AND OR EMITTERS AS SHOWN IN THE CONTRACT DOCUMENTS AND DETAILS; LAYOUT SHALL BE NO CLOSER THAN 12" TO BUILDINGS.

B. ADJUST EMITTERS FOR PROPER COVERAGE AROUND BASE OF SHRUB. EMITTER BUBBLER HEAD SHALL BE BELOW GRADE AS SHOWN ON CONTRACT DOCUMENTS. ALL TUBING SHALL BE SUB-SURFACE.

C. FLUSH VALVES SHALL BE LOCATED AT THE END OF EACH IRRIGATION LINE.

3.10 SPRINKLER HEADS

A. ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO THE FINISH GRADE OF THE AREA TO BE IRRIGATED UNLESS OTHERWISE DESIGNED ON THE PLANS.

B. CONTRACTOR SHALL INSTALL IN-LINE ANTI-DRAIN VALVES AS WARRANTED BY SITE CONDITIONS TO ALLEVIATE LOW HEAD DRAINAGE.

3.11 VALVE BOXES

A. CONTRACTOR SHALL HEAT BRAND ALL PLASTIC VALVES BOXES WITH THE FOLLOWING LABELS. ALL LETTERS SHALL BE ONE INCH (1") HIGH. LETTERING ON VALVE BOX LIDS SHALL BE PLACED ON THE SAME LOCATION ON EACH VALVE BOX LID, AND ALL LABELING SHALL FACE THE SAME DIRECTION.

VALVE BOXES SHALL BE LABELED CONSECUTIVELY A,B,C,etc.
ISOLATION BALL VALVE BOX LID WITH THE LETTERS "BV"
STUB OUT BOXES SHALL BE LABELED "SO"
EXTRA CONTROL WIRE BOXES SHALL BE LABELED "SW"
WIRE SPLICE BOX LID WITH THE LETTERS "WS"
CHECK VALVE BOX LID WITH LETTERS "CV"

B. CONTRACTOR ALL BOLTS FO4R LOCKING VALVE BOX LIDS SHALL BE STAINLESS STEEL.

3.12 TESTS

A. NOTIFY LANDSCAPE ARCHITECT AT LEAST 48 HOURS IN ADVANCE OF TESTING.

B. PERFORM TESTING AT CONTRACTORS OWN EXPENSE.

C. CENTER LOAD PIPING WITH SMALL AMOUNT OF BACKFILL TO PREVENT ARCHING OR SLIPPING UNDER PRESSURE. NO FITTING SHALL BE COVERED.

D. FLUSHING - AFTER PIPING, RISERS, AND VALVES ARE IN PLACE AND CONNECTED, BUT PRIOR TO INSTALLATION OF SPRINKLER HEADS, THOROUGHLY FLUSH PIPING SYSTEM UNDER FULL HEAD OF WATER PRESSURE FROM DEAD END FITTINGS. MAINTAIN FLUSHING FOR 5 MINUTES THROUGH FURTHERMOST VALVES. CAP RISERS AFTER FLUSHING.

E. APPLY THE FOLLOWING TESTS AFTER SOLVENT WELD PLASTIC PIPE JOINTS HAVE CURED AT LEAST 24 HOURS.

F. TESTING - CONDUCT TESTS IN PRESENCE OF LANDSCAPE ARCHITECT. ARRANGE FOR PRESENCE OF LANDSCAPE ARCHITECT 48 HOURS IN ADVANCE OF TESTING. SUPPLY FORCE PUMP AND ALL OTHER TEST EQUIPMENT.
1. AFTER BACKFILLING, AND INSTALLATION OF ALL CONTROL VALVES, FILL IN PRESENCE OF LANDSCAPE ARCHITECT WITH WATER, AND PRESSURIZE TO 40 P.S.I. OVER THE DESIGNATED STATIC PRESSURE OR 125 P.S.I., WHICHEVER IS GREATER, FOR A PERIOD OF 6 HOURS.
2. LEAKAGE, PRESSURE LOSS - TEST IS ACCEPTABLE IF NO LEAKAGE OR LOSS OF PRESSURE IS EVIDENT DURING TEST PERIOD.
3. LEAKS - DETECT AND REPAIR LEAKS.
4. RETEST SYSTEM UNTIL TEST PRESSURE CAN BE MAINTAINED FOR DURATION OF TEST
5. TEST REMOTELY CONTROLLED LATERAL LINES WITH WATER AT 100 P.S.I. FOR 2 HOURS AND VISUALLY INSPECT FOR LEAKS. RETEST AFTER CORRECTING DEFECTS.

3.11 ADJUSTING

A. UPON COMPLETION OF INSTALLATION, "FINE-TUNE" ENTIRE SYSTEM BY REGULATING VALVES, ADJUSTING PATTERNS AND BREAK-UP ARMS/SCREWS, AND SETTING PRESSURE REDUCING VALVES AT PROPER PRESSURE TO PROVIDE OPTIMUM AND EFFICIENT COVERAGE. FLUSH AND ADJUST ALL SPRINKLER HEADS FOR OPTIMUM PERFORMANCE AND TO PREVENT OVERSPRAY ONTO WALKS, ROADWAYS, AND BUILDINGS. HEADS OF THE SAME TYPE SHALL BE OPERATING AT SAME PRESSURE.

B. IF IT IS DETERMINED THAT IRRIGATION ADJUSTMENTS WILL PROVIDE PROPER AND MORE ADEQUATE COVERAGE, MAKE SUCH ADJUSTMENTS PRIOR TO NOTICE OF COMPLETION, AT NO ADDITIONAL COST TO OWNER. ADJUSTMENTS MAY ALSO INCLUDE CHANGES IN NOZZLE SIZES, DEGREES OF ARC, AND CONTROL VALVE THROTTLING.

C. ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO FINISH GRADE UNLESS OTHERWISE DESIGNATED.

D. AREAS WHICH DO NOT CONFORM TO DESIGNATED OPERATION REQUIREMENTS DUE TO UNAUTHORIZED CHANGES OR POOR INSTALLATION PRACTICES SHALL BE IMMEDIATELY CORRECTED AT NO ADDITIONAL COST TO THE OWNER.

3.12 CLEANING

A. MAINTAIN CONTINUOUS CLEANING OPERATION THROUGHOUT WORK. DISPOSE OF, OFF-SITE AT LEGAL DISPOSAL SITE AND AT NO ADDITIONAL COST TO OWNER, ALL TRASH OR DEBRIS GENERATED BY INSTALLATION OF IRRIGATION SYSTEM.

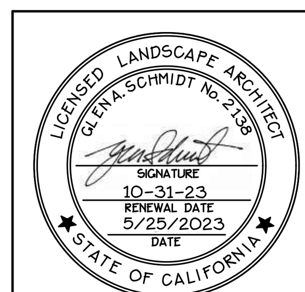
B. CONTRACTOR SHALL REMOVE AND DISCARD DAILY, ALL PIPING DISTURBED DURING TRENCHING OPERATION.

-END OF SECTION-

Accepted By:

GOUTAM K. DOBEY
CITY ENGINEER RCE 75646

12/19/2023
Date



PLANS PREPARED UNDER SUPERVISION OF:

SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
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SCHMIDTDESIGN.COM

Letter	Description	Date	Initial	Initial

Revisions

CITY OF REDLANDS

ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No.

IRRIGATION SPECIFICATIONS

PROJECT NO.:14-406
PLOT DATE: 5/25/2023
DRAWN BY: PR, LD, CT
CHECKED BY: CT,JJ

Approved By:
Tabitha Crocker Date
FACILITIES AND COMMUNITY SERVICES DIRECTOR

Sheet 35 of 42 Sheets
Drawing No.
LI-2.3

23/28
2301-LS

03/30/23 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

O:\Archive-Projects\400 projects\14-406 Mill Creek Zanja Trail Greenway\06-CD's\Zanja Phase 2\14-406 S-IRR DETL PH2.dwg 07/26/2023 08:32

PLANTING LEGEND:

TREES	BOTANICAL NAME	COMMON NAME	CONT	QTY	DETAIL
	ARBUTUS X `MARINA`	ARBUTUS MULTI-TRUNK	24" BOX	6	1,2/LP-2.0
	CHITALPA TASHKENTENSIS `PINK DAWN`	PINK DAWN CHITALPA	24" BOX	4	
	EUCALYPTUS CITRIODORA	LEMON SCENTED GUM	24" BOX	5	
	KOELREUTERIA PANICULATA	GOLDEN RAIN TREE	24" BOX	5	
	LYONOTHAMNUS FLORIBUNDUS ASPLENIFOLIUS	FERNLEAF CATALINA IRONWOOD	15 GAL	3	
	PINUS COULTERI	COULTER PINE	15 GAL	7	
	PINUS PINEA	ITALIAN STONE PINE	24" BOX	3	
	PLATANUS RACEMOSA	CALIFORNIA SYCAMORE MULTI-TRUNK	24" BOX	14	
24" B.	QUERCUS AGRIFOLIA	COAST LIVE OAK	24" BOX	17	
	QUERCUS ENGLEMANNII	ENGELMANN OAK	24" BOX	3	
	QUERCUS SUBER	CORK OAK	36" BOX	6	
	SAMBUCUS NIGRA	COMMON ELDERBERRY	24" BOX	6	

EXISTING TREES	BOTANICAL NAME	COMMON NAME	CONT	QTY	DETAIL
	EUCALYPTUS SPP.	EXISTING GUM TREE	EXISTING TO REMAIN	2	
	KOELREUTERIA PANICULATA	GOLDEN RAIN TREE	EXISTING TO REMAIN	2	
	PLATANUS RACEMOSA	CALIFORNIA SYCAMORE	EXISTING TO REMAIN	1	

EXISTING TREES	BOTANICAL NAME	COMMON NAME	CONT	QTY
	QUERCUS ILEX	HOLLY OAK	EXISTING TO REMAIN	1
	SCHINUS TEREBINTHIFOLIUS	BRAZILIAN PEPPER	EXISTING TO REMAIN	1
	SYAGRUS ROMANZOFFIANA	QUEEN PALM	EXISTING TO REMAIN	5
	WASHINGTONIA FILIFERA	CALIFORNIA FAN PALM	EXISTING TO REMAIN	2

SHRUBS	BOTANICAL NAME	COMMON NAME	CONT	DETAIL
	AGAVE SHAWII	COASTAL AGAVE	15 GALLON	3/LP-2.0
RE	RHAMNUS CALIFORNICA `EVE CASE`	CALIFORNIA COFFEEBERRY	5 GALLON	
Y	YUCCA WHIPPLEI	CHAPARRAL YUCCA	15 GALLON	

SHRUB AREAS	BOTANICAL NAME	COMMON NAME	CONT	SPACING	DETAIL
	BACCHARIS PILULARIS `PIGEON POINT`	COYOTE BRUSH	1 GAL	36" o.c.	3,4/LP-2.0
	ENCELIA FARINOSA	BRITTLE BUSH	1 GAL	36" o.c.	
	ERIOGONUM ARBORESCENS	SANTA CRUZ ISLAND BUCKWHEAT	1 GAL	36" o.c.	
	ERIOGONUM FASCICULATUM `WARRINER LYTLE`	WARRINER LYTLE BUCKWHEAT	1 GAL	36" o.c.	
	GALVEZIA SPECIOSA	ISLAND BUSH SNAPDRAGON	1 GAL	36" o.c.	
	JUNCUS PATENS `ELK BLUE`	SPREADING RUSH	4" POT	24" o.c.	
	LEYMUS CONDENSATUS `CANYON PRINCE`	NATIVE BLUE RYE	1 GAL	36" o.c.	
	LEYMUS TRITICOIDES	WILD RYE	1 GAL	24" o.c.	
	MUHLENBERGIA RIGENS	DEER GRASS	1 GAL	36" o.c.	
	SALVIA CLEVELANDII `POZO BLUE`	CLEVELAND SAGE	1 GAL	48" o.c.	
	SALVIA LEUCOPHYLLA `POINT SAL SPREADER`	PURPLE LEAF SAGE	1 GAL	36" o.c.	
	SALVIA MELLIFERA	BLACK SAGE	1 GAL	48" o.c.	

Accepted By:
GOUTAM K. DOBEY
CITY ENGINEER RCE 75646
12/19/2023
Date

INSPECTION NOTE

THE CITY OF REDLANDS ENGINEERING STAFF SHALL BE NOTIFIED 5-10 DAYS PRIOR TO THE START OF CONSTRUCTION. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.

BENCHMARK
CITY OF REDLANDS BENCH MARK R-49
BRASS DISK IN TOP OF CURB @ NE COR. ORANGE STREET & COLTON AVE. EAST OF END OF RETURN.

ELEVATION = 1370.856'

LICENSED LANDSCAPE ARCHITECT
GLENN A. SCHMIDT No. 2539
SIGNATURE
10-31-23
RENEWAL DATE
5/25/2023
DATE
STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:
SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
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Letter	Description	Date	Initial	Initial
1	UPDATES TO PARKING LOT	3/30/23		

Revisions

CITY OF REDLANDS

ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No.

PLANTING LEGEND

PROJECT NO.:14-406
PLOT DATE: 5/25/2023
DRAWN BY: PR, LD, CT
CHECKED BY: CT,JJ

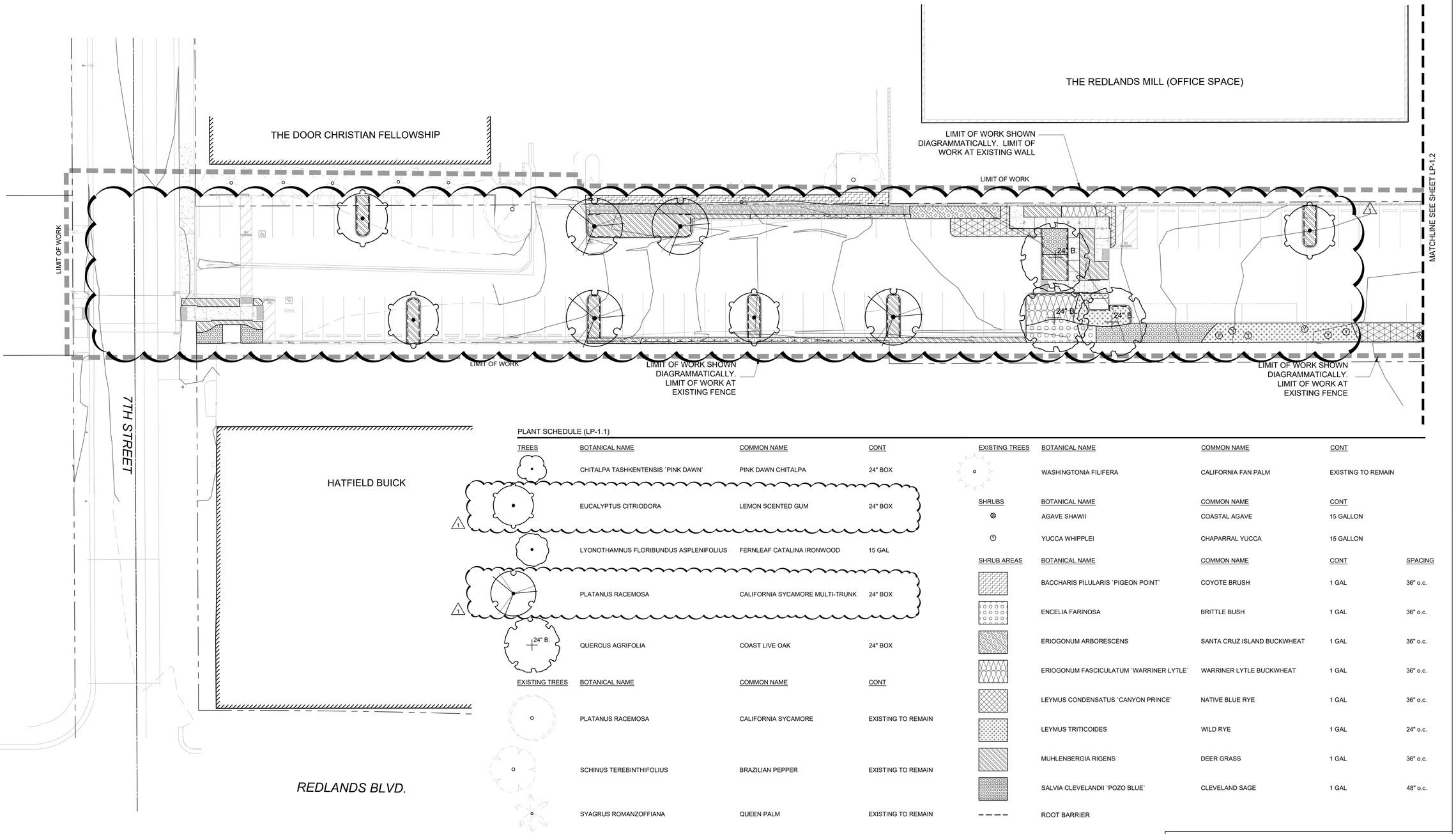
Approved By:
Tabitha Crocker
FACILITIES AND COMMUNITY SERVICES DIRECTOR
Date

Sheet 36 of 42 Sheets
Drawing No. LP-1.0

2301-LS 24/28

03/30/23 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

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PLANT SCHEDULE (LP-1.1)

TREES	BOTANICAL NAME	COMMON NAME	CONT
	CHITALPA TASHKENTENSIS `PINK DAWN`	PINK DAWN CHITALPA	24" BOX
	EUCALYPTUS CITRIODORA	LEMON SCENTED GUM	24" BOX
	LYONOTHAMNUS FLORIBUNDUS ASPLENIFOLIUS	FERNLEAF CATALINA IRONWOOD	15 GAL
	PLATANUS RACEMOSA	CALIFORNIA SYCAMORE MULTI-TRUNK	24" BOX
24" B.	QUERCUS AGRIFOLIA	COAST LIVE OAK	24" BOX

EXISTING TREES	BOTANICAL NAME	COMMON NAME	CONT
	PLATANUS RACEMOSA	CALIFORNIA SYCAMORE	EXISTING TO REMAIN
	SCHINUS TEREBINTHIFOLIUS	BRAZILIAN PEPPER	EXISTING TO REMAIN
	SYAGRUS ROMANZOFFIANA	QUEEN PALM	EXISTING TO REMAIN
	WASHINGTONIA FILIFERA	CALIFORNIA FAN PALM	EXISTING TO REMAIN

SHRUBS	BOTANICAL NAME	COMMON NAME	CONT
	AGAVE SHAWII	COASTAL AGAVE	15 GALLON
	YUCCA WHIPPLEI	CHAPARRAL YUCCA	15 GALLON

SHRUB AREAS	BOTANICAL NAME	COMMON NAME	CONT	SPACING
	BACCHARIS PILULARIS `PIGEON POINT`	COYOTE BRUSH	1 GAL	36" o.c.
	ENCELIA FARINOSA	BRITTLE BUSH	1 GAL	36" o.c.
	ERIOGONUM ARBORESCENS	SANTA CRUZ ISLAND BUCKWHEAT	1 GAL	36" o.c.
	ERIOGONUM FASCICULATUM `WARRINER LYTLE`	WARRINER LYTLE BUCKWHEAT	1 GAL	36" o.c.
	LEYMUS CONDENSATUS `CANYON PRINCE`	NATIVE BLUE RYE	1 GAL	36" o.c.
	LEYMUS TRITICOIDES	WILD RYE	1 GAL	24" o.c.
	MUHLENBERGIA RIGENS	DEER GRASS	1 GAL	36" o.c.
	SALVIA CLEVELANDII `POZO BLUE`	CLEVELAND SAGE	1 GAL	48" o.c.
	ROOT BARRIER			

Accepted By:

GOUTAM K. DOBEY
CITY ENGINEER RCE 75646

12/19/2023
Date

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BOUNDARIES LEGEND

SYMBOL	DESCRIPTION
	LIMIT OF WORK
	SBCFCD RIGHT OF WAY
	PROPERTY LINE

0 10 20 40
SCALE : 1" = 20'-0"
FOR SHEET SIZE 24" X 36"

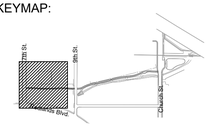
NORTH

BENCHMARK

CITY OF REDLANDS BENCH MARK R-49
BRASS DISK IN TOP OF CURB @ NE COR. ORANGE STREET & COLTON AVE. EAST OF END OF RETURN.

ELEVATION = 1370.856'

KEYMAP:



NTS

LICENSED LANDSCAPE ARCHITECT GLENN A. SCHMIDT No. 2138
SIGNATURE
10-31-23
RENEWAL DATE
5/25/2023
DATE
STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:

SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
619.236.1462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

Letter	Description	Date	Initial	Initial
1	UPDATES TO PARKING LOT	3/30/23		

Revisions

CITY OF REDLANDS

ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No.

PLANTING PLAN

PROJECT NO.:14-406
PLOT DATE: 5/25/2023
DRAWN BY: PR, LD, CT
CHECKED BY: CT,JJ

Approved By:

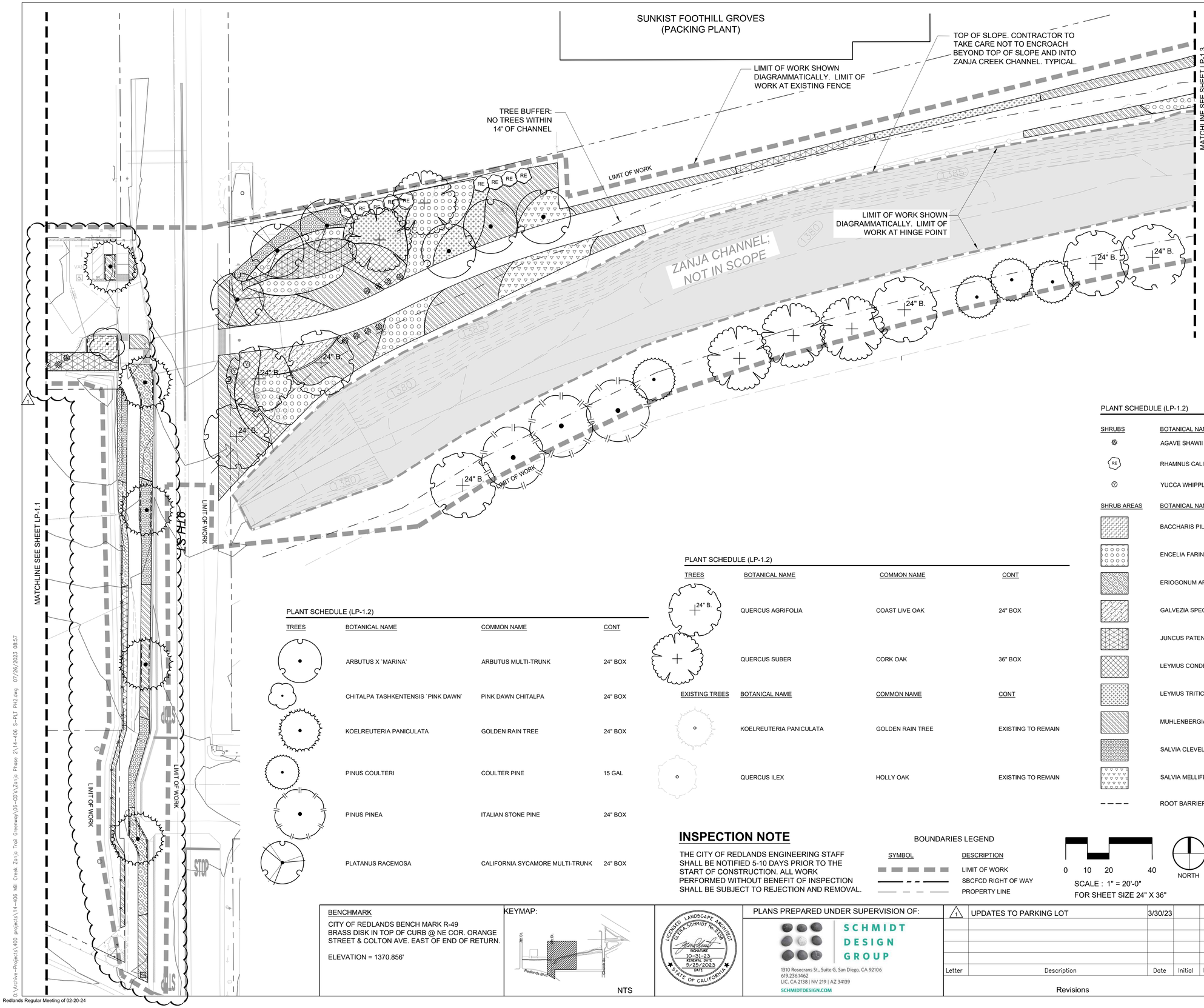
Tabitha Crocker
FACILITIES AND COMMUNITY SERVICES DIRECTOR
Date

Sheet 37 of 42 Sheets
Drawing No. LP-1.1

2301-LS 25/28

03/30/23 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

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PLANT SCHEDULE (LP-1.2)

TREES	BOTANICAL NAME	COMMON NAME	CONT
	ARBUTUS X `MARINA`	ARBUTUS MULTI-TRUNK	24" BOX
	CHITALPA TASHKENTENSIS `PINK DAWN`	PINK DAWN CHITALPA	24" BOX
	KOELREUTERIA PANICULATA	GOLDEN RAIN TREE	24" BOX
	PINUS COULTERI	COULTER PINE	15 GAL
	PINUS PINEA	ITALIAN STONE PINE	24" BOX
	PLATANUS RACEMOSA	CALIFORNIA SYCAMORE MULTI-TRUNK	24" BOX

PLANT SCHEDULE (LP-1.2)

TREES	BOTANICAL NAME	COMMON NAME	CONT
24" B.	QUERCUS AGRIFOLIA	COAST LIVE OAK	24" BOX
	QUERCUS SUBER	CORK OAK	36" BOX
EXISTING TREES	BOTANICAL NAME	COMMON NAME	CONT
	KOELREUTERIA PANICULATA	GOLDEN RAIN TREE	EXISTING TO REMAIN
	QUERCUS ILEX	HOLLY OAK	EXISTING TO REMAIN

PLANT SCHEDULE (LP-1.2)

SHRUBS	BOTANICAL NAME	COMMON NAME	CONT
	AGAVE SHAWII	COASTAL AGAVE	15 GALLON
RE	RHAMNUS CALIFORNICA `EVE CASE`	CALIFORNIA COFFEEBERRY	5 GALLON
Y	YUCCA WHIPPLEI	CHAPARRAL YUCCA	15 GALLON
SHRUB AREAS	BOTANICAL NAME	COMMON NAME	CONT
	BACCHARIS PILULARIS `PIGEON POINT`	COYOTE BRUSH	1 GAL
	ENCELIA FARINOSA	BRITTLE BUSH	1 GAL
	ERIOGONUM ARBORESCENS	SANTA CRUZ ISLAND BUCKWHEAT	1 GAL
	GALVEZIA SPECIOSA	ISLAND BUSH SNAPDRAGON	1 GAL
	JUNCUS PATENS `ELK BLUE`	SPREADING RUSH	4" POT
	LEYMUS CONDENSATUS `CANYON PRINCE`	NATIVE BLUE RYE	1 GAL
	LEYMUS TRITICOIDES	WILD RYE	1 GAL
	MUHLENBERGIA RIGENS	DEER GRASS	1 GAL
	SALVIA CLEVELANDII `POZO BLUE`	CLEVELAND SAGE	1 GAL
	SALVIA MELLIFERA	BLACK SAGE	1 GAL
	ROOT BARRIER		

Accepted By:

GOUTAM K. DOBEY
CITY ENGINEER RCE 75646

12/19/2023
Date

INSPECTION NOTE

THE CITY OF REDLANDS ENGINEERING STAFF SHALL BE NOTIFIED 5-10 DAYS PRIOR TO THE START OF CONSTRUCTION. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.

BOUNDARIES LEGEND

SYMBOL	DESCRIPTION
	LIMIT OF WORK
	SBCFCD RIGHT OF WAY
	PROPERTY LINE

0 10 20 40
SCALE : 1" = 20'-0"
FOR SHEET SIZE 24" X 36"

NORTH

BENCHMARK

CITY OF REDLANDS BENCH MARK R-49
BRASS DISK IN TOP OF CURB @ NE COR. ORANGE STREET & COLTON AVE. EAST OF END OF RETURN.

ELEVATION = 1370.856'

KEYMAP:

NTS

LICENSED LANDSCAPE ARCHITECT
GLENN A. SCHMIDT No. 2138
SIGNATURE
10-31-23
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Tabitha Crocker
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Sheet 38 of 42 Sheets
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26/28

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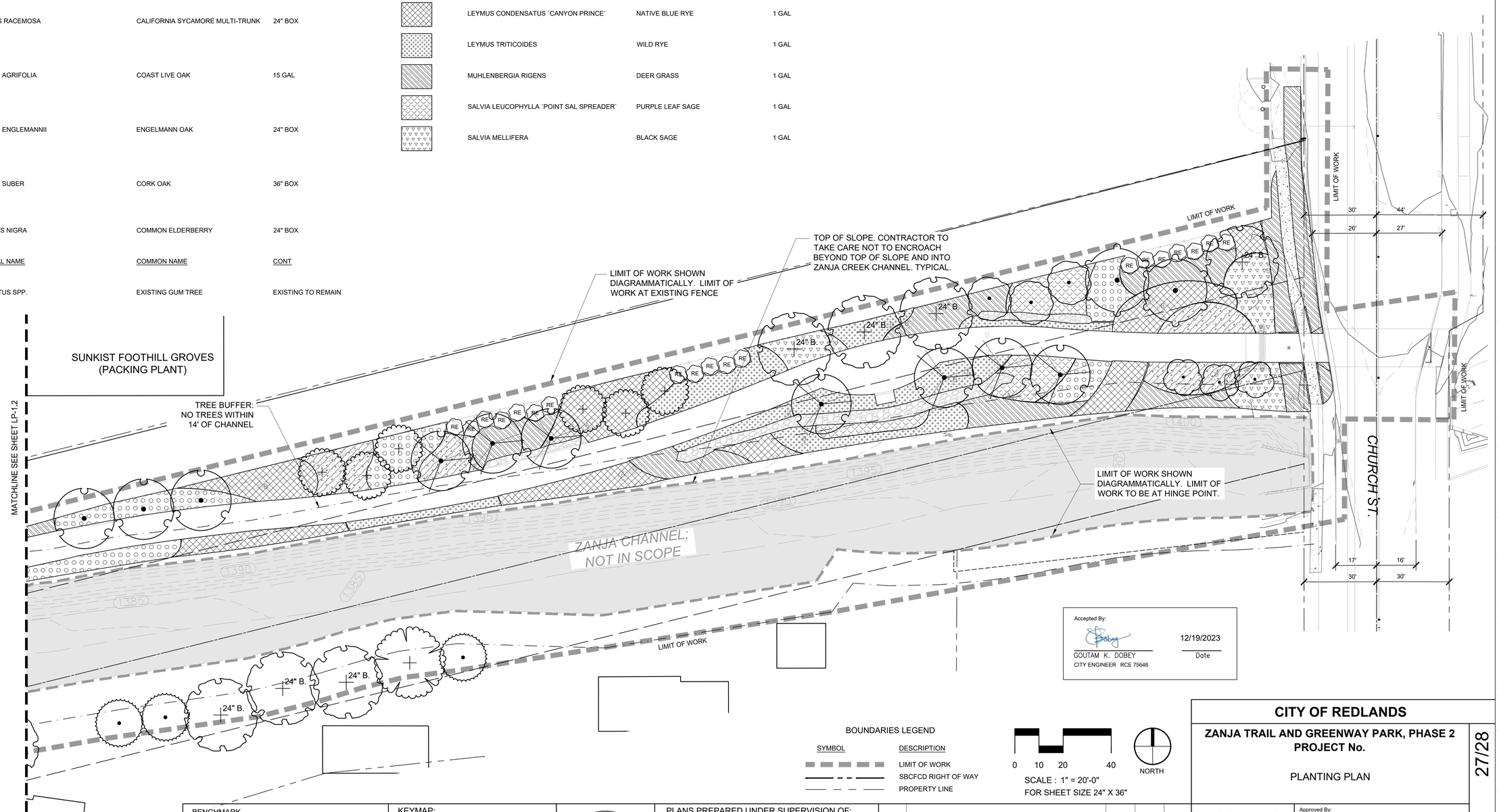
PLANT SCHEDULE (LP-1.3)

TREES	BOTANICAL NAME	COMMON NAME	CONT
	ARBUTUS X `MARINA`	ARBUTUS MULTI-TRUNK	24" BOX
	CHITALPA TASHKENTENSIS `PINK DAWN`	PINK DAWN CHITALPA	24" BOX
	LYONOTHAMNUS FLORIBUNDUS ASPLENIFOLIUS	FERNLEAF CATALINA IRONWOOD	15 GAL
	PINUS COULTERI	COULTER PINE	15 GAL
	PLATANUS RACEMOSA	CALIFORNIA SYCAMORE MULTI-TRUNK	24" BOX
15 G.	QUERCUS AGRIFOLIA	COAST LIVE OAK	15 GAL
	QUERCUS ENGLEMANNII	ENGELMANN OAK	24" BOX
	QUERCUS SUBER	CORK OAK	36" BOX
	SAMBUCUS NIGRA	COMMON ELDERBERRY	24" BOX

EXISTING TREES	BOTANICAL NAME	COMMON NAME	CONT
	EUCALYPTUS SPP.	EXISTING GUM TREE	EXISTING TO REMAIN

SHRUBS	BOTANICAL NAME	COMMON NAME	CONT
RE	RHAMNUS CALIFORNICA `EVE CASE`	CALIFORNIA COFFEEBERRY	5 GALLON

SHRUB AREAS	BOTANICAL NAME	COMMON NAME	CONT
	ENCELIA FARINOSA	BRITTLE BUSH	1 GAL
	ERIOGONUM FASCICULATUM `WARRINER LYTLE`	WARRINER LYTLE BUCKWHEAT	1 GAL
	ERIOGONUM GRANDE RUBESCENS	RED BUCKWHEAT	1 GAL
	GALVEZIA SPECIOSA	ISLAND BUSH SNAPDRAGON	1 GAL
	LEYMUS CONDENSATUS `CANYON PRINCE`	NATIVE BLUE RYE	1 GAL
	LEYMUS TRITICOIDES	WILD RYE	1 GAL
	MUHLENBERGIA RIGENS	DEER GRASS	1 GAL
	SALVIA LEUCOPHYLLA `POINT SAL SPREADER`	PURPLE LEAF SAGE	1 GAL
	SALVIA MELLIFERA	BLACK SAGE	1 GAL



Accepted By:

GOUTAM K. DOBEY
CITY ENGINEER RCE 75646

12/19/2023
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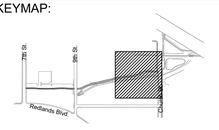
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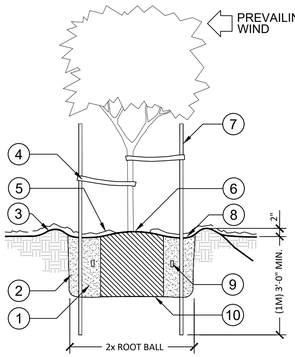
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Sheet 39 of 42 Sheets
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LEGEND:

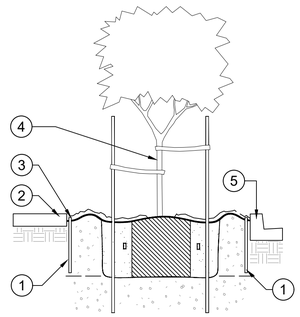
1. PLANTING BACKFILL PER NOTES AND / OR SPECIFICATIONS.
2. ROUGHEN SIDES AND BOTTOM OF PIT.
3. FINISHED GRADE.
4. "CINCH-TIE" MANUFACUED BY V.I.T. COMPANY, INC. OR EQUAL. ATTACH PER MANUFACTURER'S SPECIFICATIONS AND SECURE WITH FURRING NAIL AT STAKE.
5. 2 INCH MULCH LAYER.
6. ROOTBALL SLIGHTLY HIGHER THAN FINISHED GRADE.
7. (2) TWO-2" DIA. X 8' LONG LODGEPOLE STAKES. NOTE: USE TWO STAKES FOR TREES 15 GALLON AND LARGER.
8. WATER BASIN; TAMP TO FORM A 6" SOIL BERM AROUND BASE OF THE SHRUB 24" OUTSIDE OF THE DRIPLINE (THE OUTERMOST EDGE OF BRANCHING)
9. PLANTING TABLETS PER NOTES AND/OR SPECIFICATIONS.
10. SOIL BALL RESTING ON FIRM SOIL TO AVOID SETTLING.

NOTES:

A. FOR NATIVE TREE PLANTING BACKFILL -REFER TO RECOMMENDATIONS FROM LAB. IN GENERAL; MIX ORGANIC MULCH WITH HALF AND HALF OF THE NATIVE SOIL REMOVED FROM HOLE AND BACKFILL HOLE WITH THE PRE-MIXED SOIL AND MULCH.
B. KEEP MULCH 2-3" FROM THE TRUNK OF THE SHRUB, TYPICAL

1 NATIVE TREE PLANTING

NO SCALE



LEGEND:

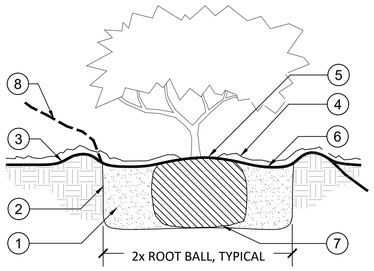
1. 24" DEEP ROOT BARRIER PER PLANTING NOTES. EXTEND 12'-0" FROM TRUNK OF TREE IN EACH DIRECTION ALONG FACE OF PAVING, CURB, WALL, ETC.
2. ADJACENT SURFACE PER PLAN
3. EXTEND TOP OF ROOT BARRIER 1/2" MINIMUM ABOVE FINISHED GRADE.
4. TREE PLANTING & STAKING PER DETAIL 1/LP-2.0
5. CONCRETE CURB PER CIVIL PLANS (WHERE APPLICABLE).

NOTES:

A. CONTRACTOR SHALL INSTALL AND ASSEMBLE ROOT BARRIER PER MANUFACTURERS RECOMMENDATIONS

2 ROOT BARRIER

NO SCALE



LEGEND:

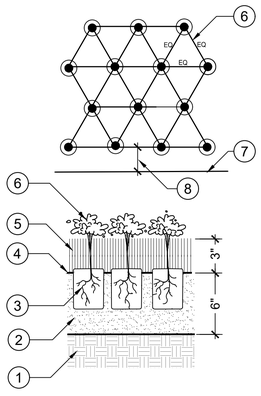
1. PLANTING BACKFILL PER NOTES
2. ROUGHEN SIDES AND BOTTOM OF PIT
3. FINISHED GRADE
4. 2" LAYER MULCH- MULCH TYPE PER PLANTING NOTES
5. ROOTBALL SLIGHTLY HIGHER THAN FINISHED GRADE
6. WATER BASIN; TAMP TO FORM A 6" SOIL BERM AROUND BASE OF THE SHRUB 24" OUTSIDE OF THE SHRUB DRIPLINE (THE OUTERMOST EDGE OF BRANCHING)
7. SOIL BALL RESTING ON FIRM SOIL TO AVOID SETTLING
8. FOR SLOPE CONDITIONS CHAMFER SLOPE TO PREVENT EROSION

NOTES:

A. FOR BACKFILL-REFER TO RECOMMENDATIONS FROM LAB. IN GENERAL; MIX ORGANIC MULCH WITH HALF AND HALF OF THE NATIVE SOIL REMOVED FROM HOLE AND BACKFILL HOLE WITH THE PRE-MIXED SOIL AND MULCH.
B. KEEP MULCH 2-3" FROM THE TRUNK OF THE SHRUB, TYPICAL

3 NATIVE SHRUB PLANTING

NO SCALE



LEGEND:

1. EXISTING SUBGRADE.
2. AMENDED PLANTING BACKFILL PER PLANTING NOTES.
3. ROOTBALL SLIGHTLY HIGHER THAN FINISHED GRADE.
4. FINISHED GRADE.
5. 2-INCH MULCH LAYER
6. EQUAL TRIANGULAR SPACING REQUIRED BETWEEN PLANTS. (REFER TO PLANT LEGEND FOR ON CENTER SPACING)
7. EDGE OF PLANTING AREA.
8. DISTANCE FROM EDGE OF PLANTER TO CENTER OF PLANT TO BE 1/2 THE SPECIFIED SPACING.

4 GROUND COVER SAMPLE DETAIL

NO SCALE

PLANTING NOTES:

1. CONTRACTOR SHALL REVIEW ALL PLANTING DRAWINGS, SPECIFICATIONS, AND INSTALLATION DETAILS BEFORE BEGINNING WORK.
2. NO TREES SHALL BE PLANTED WITHIN 14' OF EXISTING ZANJA CHANNEL. DISTANCE SHALL BE MEASURED FROM TOP OF CHANNEL SLOPE.
3. NO WORK SHALL BE COMPLETED WITHIN ZANJA CHANNEL. CONTRACTOR SHALL BE DILIGENT TO MAKE NO IMPACT TO ZANJA CHANNEL DURING ALL PHASES OF CONSTRUCTION.
4. ALL PLANTING MATERIAL LOCATED WITHIN S.B.C.F.C. RIGHT OF WAY SHALL BE NATIVE TO CALIFORNIA.
5. CONTRACTOR SHALL VISIT SITE AND BECOME FAMILIAR WITH CONDITIONS UNDER WHICH WORK SHALL BE DONE PRIOR TO BIDDING.
6. ALL WORK WILL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY AND THE TECHNICAL SPECIFICATIONS OF THE PROJECT; AND IF NECESSARY, OTHER GOVERNING AGENCIES THAT HAVE ISSUE WITH THE SITE.
7. CONTRACTOR SHALL NOTIFY INSPECTOR OF ANY DISCREPANCIES IN THE EXISTING CONDITIONS OR WITHIN THE PLANS PRIOR TO BEGINNING WORK.
8. FINISHED GRADES SHALL BE SMOOTHED TO ELIMINATE PUDDLING OR STANDING WATER. CONTRACTOR SHALL MAINTAIN A SLOPE OF 1% MIN. AND NO GREATER THEN 4.98% MAX. SLOPE AWAY FROM STRUCTURES AND PAVING, AND DIRECT FLOW TOWARDS THE PLANTING AREAS ADJACENT TO THE PROPERTY LINE OR STREET. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY OF ANY CONFLICTS IN MAINTAINING DRAINAGE.
9. THE LANDSCAPE ARCHITECT SHALL APPROVE ALL FINISH GRADING PRIOR TO PLACEMENT OF ANY PLANT MATERIAL.
10. CONTRACTOR SHALL IMMEDIATELY, UPON THE AWARD OF THE CONTRACT, ORDER, LOCATE AND PURCHASE (OR HAVE HELD) ALL PLANT MATERIAL REQUIRED BY THESE PLANS AND SPECIFICATIONS. PLANT MATERIAL SHALL BE GROWN UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE OF THE PROJECT SITE.
11. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY REPAIRS MADE NECESSARY THROUGH THE ACTIONS OR NEGLIGENCE OF HIS EMPLOYEES AND SUBCONTRACTORS.
12. SOIL AMENDMENTS SPECIFIED ARE FOR BIDDING PURPOSES ONLY. ACTUAL TYPES AND QUANTITIES WILL BE BASED ON SOIL ANALYSIS PROVIDED BY CONTRACTOR. AFTER ROUGH GRADING, SOIL SAMPLES SHALL BE TAKEN FROM EIGHT (8) LOCATIONS IN DIFFERENT AREAS OF THE PROPOSED TRAIL; AT 6" TO 10" DEPTH, MIXED TOGETHER TO REPRESENT AN ADEQUATE CROSS SECTION OF CONDITIONS. TEST SHALL BE CONDUCTED BY A FIRM APPROVED BY PROJECT LANDSCAPE ARCHITECT AND SHALL INCLUDE TESTS FOR SOIL FERTILITY, AGRICULTURAL SUITABILITY, ORGANIC CONTENT, N, P, K; PH; EC; SOIL TEXTURE; AND RECOMMENDATIONS FOR AMENDMENTS, LEACHING, AND MAINTENANCE FERTILIZATION. CONTRACTOR SHALL FURNISH THE PROJECT LANDSCAPE ARCHITECT AND THE INSPECTOR WITH A COPY OF TEST RESULTS AND RECEIVE WRITTEN APPROVAL FOR AMENDMENTS OF SOIL PREPARATION PRIOR TO INSTALLATION. FOR SOIL PREPARATION; THE AMENDMENTS ARE TO BE MIXED INTO THE TOP 6" OF SOIL AT THE PLANTING AREAS ALONG TRAIL SHOWN PER PLAN AND ON SLOPES GREATER THAN 3:1.

    THE FOLLOWING AMENDMENT MIXES ARE FOR CONTRACTOR BID PURPOSES AND TO BE MODIFIED PER SOIL ANALYSIS RECOMMENDATIONS AS NECESSARY FOR NATIVE SHRUB PLANTING:
    A) BID MIX FOR SHRUB BED AREAS:SOIL AMENDMENTS BID MIX SHALL BE THE FOLLOWING PER 1000 SQUARE FEET:
        - 4 CU. YDS. NITROGEN STABILIZED ORGANIC AMENDMENT 'HUMIC COMPOST' BY AGRI-SERVICE (800-262-4167) OR APPROVED EQUAL.
        - 20 LBS. GRO-POWER PLUS
        - 100 LBS. GYPSUM

    B) BID MIX FOR PLANT PIT BACKFILL AREAS:
    PLANTING AND BACKFILL MIX FOR PLANT PITS SHALL BE AS FOLLOWS PER CUBIC YARD:
        - 70% OF NATIVE SOIL
        - 30% NITROGEN STABILIZED ORGANIC AMENDMENT: 'HUMIC COMPOST' BY AGRI-SERVICE (800-262-4167) OR APPROVED EQUAL.
        - 16 LBS GRO-POWER PLUS
        - 2 LBS. FERROUS SULFATE

    THOROUGHLY BLEND THE ABOVE AT A CENTRAL ON-SITE LOCATION PRIOR TO USE. THE FERROUS SULFATE SHOULD NOT CONTACT PAVING SURFACES AS STAINING WILL RESULT.

    C) LEACHING:
    SOIL LEACHING SPECIFIED ARE FOR BIDDING PURPOSES ONLY. ACTUAL DURATION AND SOIL AMENDMENTS FOR LEACHING (IF RECOMMENDED BY THE CONTRACTOR'S PROVIDED SOILS REPORT) WILL BE BASED ON SOIL ANALYSIS PROVIDED BY THE APPROVED SOILS LABORATORY. CONTRACTOR SHALL FURNISH THE LANDSCAPE ARCHITECT WITH A COPY OF THE RECOMMENDATIONS AND RECEIVE WRITTEN APPROVAL FOR LEACHING AND AMENDMENTS PRIOR TO THE START OF THE LEACHING PROCESS.

    THE CONTRACTOR SHALL ASSUME ONE ROUND OF SOIL LEACHING AND RETESTING OF LEACHED SOIL PRIOR TO PLANTING. SUBSEQUENT LEACHING MAY BE REQUIRED. PRIOR TO LEACHING; CONTRACTOR TO APPLY GYPSUM AND LEACH FOR A MINIMUM OF TWO WEEKS.
13. UNDERPLANT ALL TREES WITH THE ADJACENT SHRUB AND/ OR GROUNDCOVER AS INDICATED BY THE PLANS. GROUNDCOVER SHALL BE INSTALLED WITH TRIANGULAR SPACING TO WITHIN 12" OF TREE OR SHRUB STEMS.
14. PLANT SYMBOLS TAKE PRECEDENCE OVER PLANT QUANTITIES SPECIFIED. WHERE SHRUB SYMBOLS ARE MASSED, CONTRACTOR SHALL MAINTAIN A CONSISTENT ON CENTER , TRIANGULAR SPACING AS SPECIFIED IN LEGEND. CONTRACTOR SHALL VERIFY PLANT TOTALS FOR BID PURPOSES.
15. PRIOR TO PLANTING, IRRIGATION SYSTEM SHALL BE FULLY OPERATIONAL AND ALL PLANTING AREAS SHALL BE THOROUGHLY WATERED.
16. PRIOR TO BEGINNING THE PLANTING OPERATION, IRRIGATE ALL PLANTING AREAS NORMALLY FOR TWO WEEKS TO GERMINATE WEEDS. ALL WEEDS SHALL BE REMOVED. REPEAT PROCESS IF WEEDS PERSIST.
17. PERCOLATION TEST SHALL BE CONDUCTED, AND MUST COMPLY WITH "GREENBOOK" "CLASS A" TOPSOIL PERMEABILITY RATE REQUIREMENTS.
18. PLANT MATERIAL MAY BE REJECTED AT ANY TIME BY LANDSCAPE ARCHITECT DUE TO CONDITION, FORM OR DAMAGE BEFORE AND OR DURING CONSTRUCTION.
19. TREES LOCATED WITHIN 10' (TEN FEET) OF WALKWAYS OR OTHER SURFACE IMPROVEMENTS SHALL BE INSTALLED WITH ROOT BARRIERS ADJACENT TO THE WALKWAY OR SURFACE IMPROVEMENT. DO NOT INSTALL ROOT BARRIERS AROUND THE ROOTBALL. THE LENGTH OF THE ROOT BARRIER SHALL BE A MINIMUM OF 10' (TEN FEET) FROM THE CENTER OF THE TRUNK IN BOTH DIRECTIONS OF THE TREE. ROOT BARRIERS SHALL BE MADE OF A RIB SYSTEM, POLYPROPYLENE MATERIAL WITH A MINIMUM THICKNESS OF 0.08 INCH AND A MINIMUM DEPTH OF 24 INCHES. ROOT BARRIER TO BE MANUFACTURED BY "DEEPROOT" OR EQUIVALENT.
20. PLANTING TABLETS SHALL BE GRO-POWER PLANTING TABLETS 12-8-8 (12 MONTH SLOW RELEASE FORMULATION).
21. ALL PLANTING BEDS SHALL HAVE (3) THREE INCH MINIMUM THICK MULCH LAYER. MULCH SHALL BE FREE OF STICKS, STONES, CLAY OR OTHER FOREIGN MATERIAL. CONTRACTOR SHALL SUBMIT SAMPLE TO THE PROJECT LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO DELIVERY TO THE JOB SITE.
22. ALL PLANTING SHALL BE GUARANTEED THROUGH THE MAINTENANCE PERIOD. TREES, SHRUBS, AND GROUNDCOVERS SHALL SHALL HAVE A 90 DAY MAINTENANCE PERIOD AND BE GUARANTEED FOR A PERIOD OF ONE YEAR, BEGINNING FROM THE DATE OF THE FINAL ACCEPTANCE OF THE MAINTENANCE PERIOD COMPLETION.
23. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL AREAS IN A WEED AND DEBRIS-FREE CONDITION THROUGHOUT THE MAINTENANCE PERIOD.
24. CONTRACTOR SHALL BID FOR ADDITIONAL PLANT MATERIAL LISTED BELOW; IF ALL MATERIALS ARE NOT USED, THE CONTRACTOR SHALL CREDIT THE OWNER THE BALANCE OF THE AMOUNT. THE CONTRACTOR SHALL BID THE FOLLOWING MATERIAL IN ADDITION TO PLANTS SHOWN ON ATTACHED PLANS:
    150 -1 GALLON STOCK OF VARIETY OF SHRUBS & GROUNDCOVERS
    50 - 5 GALLON STOCK OF VARIETY OF SHRUBS & GROUNDCOVERS
    15 - 15 GALLON TREES OR SHRUBS
    5 - 24" BOX TREES
25. ALL PROPOSED TREES TO RECEIVE BUBBLER IRRIGATION. ALL PROPOSED SHRUB AREAS TO RECEIVE DRIP IRRIGATION; SEE IRRIGATION PLAN.
26. THE LANDSCAPE ARCHITECT SHALL APPROVE ALL PLANTING AREAS PRIOR TO THE INSTALLATION OF ANY MATERIALS. THE CONTRACTOR SHALL LAYOUT ALL PLANT MATERIAL IN THE FIELD PER THE PLANTING PLANS FOR REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT BEFORE EXCAVATING PITS, MAKING NECESSARY ADJUSTMENTS AS DIRECTED. PLANTS SHALL BE LOCATED IN THE FIELD BY THE CONTRACTOR FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO THEIR ARRIVAL AT THE SITE.
27. GROUND COVER PLANTS SHALL BE WELL ROOTED WITH RUNNERS MINIMUM 4" LONG.

Accepted By:

GOUTAM K. DOBEY
CITY ENGINEER RCE 75646

12/19/2023
Date

LICENSED LANDSCAPE ARCHITECT GLORIA SCHMIDT No. 2138 SIGNATURE 10-31-23 RENEWAL DATE 5/25/2023 DATE STATE OF CALIFORNIA

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Tabitha Crocker
FACILITIES AND COMMUNITY SERVICES DIRECTOR

Date

Sheet 40 of 42 Sheets

Drawing No. LP-2.0

CITY OF REDLANDS

ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No.

PLANTING DETAILS AND NOTES

28/28
2301-LS

03/30/23 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

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PLANTING SPECIFICATIONS

PART I GENERAL

1.01 GENERAL REQUIREMENTS

A. CONTRACTOR SHALL VISIT THE SITE TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND SITE RESTRICTIONS.

B. CONTRACTOR SHALL DETERMINE THE LOCATION AND DEPTH OF ALL SITE UTILITIES. ANY UTILITY OR GRADING INFORMATION PROVIDED ON THE CONTRACT DOCUMENTS IS FOR THE CONTRACTOR'S REFERENCE. THERE IS NO GUARANTEE AS TO THE ACCURACY OF THE INFORMATION. CONTRACTOR SHALL LOCATE AND VERIFY UTILITY LOCATIONS TO HIS SATISFACTION.

C. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL REPAIRS MADE NECESSARY BY THE NEGLIGENCE OF HIS CREWS.

D. THE GENERAL AND SPECIAL CONDITIONS AND NOTES OF THE CONTRACT APPLY TO THE WORK OF THIS SECTION THE SAME AS THOUGH WRITTEN HEREIN.

1.02 ORDINANCES AND REGULATIONS

A. ALL LOCAL, MUNICIPAL AND STATE LAWS AND RULES & REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR. ANYTHING CONTAINED IN THE SPECIFICATIONS SHALL NOT BE CONSTRUED TO CONFLICT WITH ANY OF THE ABOVE RULES, REGULATIONS, OR REQUIREMENTS OF THE SAME. HOWEVER, WHEN THE SPECIFICATIONS AND/OR DRAWINGS CALL FOR, OR DESCRIBE MATERIALS, WORKMANSHIP OR CONSTRUCTION OF BETTER QUALITY, HIGHER STANDARDS OR A LARGER SIZE, SPECIFICATIONS AND/OR DRAWINGS SHALL TAKE PRECEDENCE OVER THE REQUIREMENTS OF THE SAID RULES AND REGULATIONS.

B. CONTRACTOR SHALL OBTAIN PERMITS AND PAY ALL FEES ASSOCIATED WITH THE CONSTRUCTION OF THE IMPROVEMENTS.

1.03 SCOPE OF WORK

A. THE WORK INCLUDES ALL SERVICES, LABOR, MATERIALS, EQUIPMENT AND TRANSPORTATION NECESSARY TO PERFORM THE WORK ON THE CONTRACT DOCUMENTS AND AS SPECIFIED HEREIN AND AS REQUIRED TO COMPLETE THE CONTRACT PROPERLY.

B. THE CONTRACTOR SHALL PROTECT THE WORK, ADJACENT PROPERTY AND THE PUBLIC, AND SHALL BE RESPONSIBLE FOR ANY DAMAGE, INJURY AND LOSS DUE TO HIS ACTS OR NEGLECT.

C. THE CONTRACTOR SHALL SUBMIT UNIT COSTS TO THE OWNER FOR ADDITIONS OR DELETIONS TO THE CONTRACT DRAWINGS.

D. WORK NOT INCLUDED: N.I.C., BY OTHERS, EXISTING.

1.05 SCHEDULE OF WORK

A. FINISH GRADING AND LANDSCAPE INSTALLATION SCHEDULE OF WORK SHALL BE PERFORMED DURING THOSE PERIODS WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE, IN ACCORDANCE WITH LOCALLY ACCEPTED HORTICULTURAL PRACTICE.

1.06 COORDINATION

A. CONTRACTOR SHALL REPORT TO THE LANDSCAPE ARCHITECT ANY DEVIATIONS BETWEEN CONSTRUCTION DOCUMENTS, SPECIFICATIONS, AND THE SITE. FAILURE TO DO SO PRIOR TO THE INSTALLATION OF THE IMPROVEMENTS AND RESULTING IN REPLACING, AND/OR RELOCATING IMPROVEMENTS, SHALL BE AT THE CONTRACTOR'S EXPENSE.

B. CARE SHALL BE TAKEN TO COORDINATE THE WORK AT ALL TIMES WITH OTHER CONTRACTORS WORKING IN AND ADJACENT TO THE AREAS IN THIS CONTRACT. THIS IS TO INSURE AN ORDERLY AND EFFICIENT INSTALLATION PROCEDURE, AND TO MINIMIZE CONFLICTS WITH OTHER CONSTRUCTION OPERATIONS.

1.07 STANDARDS

A. ALL WORK SHALL BE IN STRICT ACCORDANCE WITH SOUND NURSERY PRACTICE. PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH PLANTING PROCEDURES AND UNDER THE SUPERVISION OF A QUALIFIED PLANTING FOREMAN. THE CONTRACTOR SHALL PROVIDE THE NAME, ADDRESS AND PHONE NUMBER OF THE JOB SUPERVISOR FOR 24 HOUR AVAILABILITY. THE SUPERVISOR SHALL BE AVAILABLE TO ALLEVIATE EMERGENCY SITUATIONS AS THEY ARISE AND SHALL BE ON THE JOB SITE WHEN EVER PLANTING IS IN PROGRESS.

B. PROVIDE PLANT MATERIALS TRUE TO NAME AND VARIETY ESTABLISHED BY "SUNSET WESTERN GARDEN BOOK", PUBLISHED BY LANE PUBLISHING, MENLO PARK, CA (MOST CURRENT EDITION).

C. PLANT MATERIALS SHALL COMPLY WITH THE RECOMMENDATIONS AND REQUIREMENTS OF ANSI STANDARDS FOR TYPE AND SPECIES CALLED FOR ON PLANTING PLAN. PROVIDE SINGLE STEM TREE EXCEPT WHERE SPECIAL FORMS ARE SHOWN OR LISTED.

1.08 SUBSTITUTIONS

A. NO SUBSTITUTIONS OF PLANT MATERIALS OR OTHER CONSTRUCTION MATERIALS WILL BE PERMITTED WITHOUT THE WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT. IF PLANT MATERIAL SUBSTITUTIONS ARE ACCEPTED AND ARE OF LESS VALUE THEN THOSE INDICATED OR SPECIFIED, THE CONTRACT PRICE WILL BE ADJUSTED IN ACCORDANCE WITH THE PROVISIONS OF THE CONTRACT.

B. THE RIGHT TO CHANGE: THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO CHANGE THE SPECIES, VARIETY, AND/OR SIZES OF PLANT MATERIALS TO BE FURNISHED, PROVIDED THAT THE COST OF SUCH PLANT CHANGES DOES NOT EXCEED THE COST OF THE PLANTS IN THE ORIGINAL BID. THE CONTRACTOR SHALL BE NOTIFIED AND THE CHANGES CONFIRMED IN WRITING PRIOR TO THE PLANTING OPERATION COMMENCING. CHANGES IN THE SIZE OR VARIETY OF ANY PLANT MATERIAL FURNISHED THAT REQUIRES A REDUCTION OR ADDITION IN COST SHALL REQUIRE AN ADJUSTMENT IN THE CONTRACT COST PRIOR TO PLANTING.

1.09 REJECTIONS

A. ANY MATERIAL AND/OR WORK MAY BE REJECTED IF IN THE OPINION OF THE LANDSCAPE ARCHITECT SUCH DOES NOT MEET THE REQUIREMENT AND THE SPECIFICATIONS. ALL REJECTED MATERIALS SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR AT HIS EXPENSE. REJECTED WORK SHALL BE REDONE IN A TIMELY MANNER AND APPROVED BY THE OWNERS REPRESENTATIVE. THIS INCLUDES MATERIALS THAT HAVE BEEN PLANTED WITHOUT PRIOR ACCEPTANCE.

1.10 PROTECTION OF PLANTS, EXISTING WORK AND IMPROVEMENTS

A. THROUGHOUT CONSTRUCTION AND MAINTENANCE THE CONTRACTOR SHALL TAKE EVERY PRECAUTION TO PROTECT AND AVOID DAMAGE TO UTILITIES, PAVING, PLANTING, STRUCTURES, FIXTURES, DRAINAGE AND IRRIGATION LINES, ETC.. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY AND ALL DAMAGE TO SUCH IMPROVEMENTS AND SHALL COMPLETELY REPAIR OR REPLACE THE SAME AT NO COST TO THE OWNER.

B. EXISTING PLANT MATERIALS, PLANTING AREAS AND PLANTS SHALL BE PROTECTED AGAINST TRESPASSING, THEFT, VANDALISM AND DAMAGE OF ANY KIND. IF ANY PLANTS BECOME DAMAGED, STOLEN OR INJURED THEY SHALL BE TREATED OR REPLACED AT THE CONTRACTORS EXPENSE. REPLACEMENT PLANTS SHALL BE OF EQUAL VALUE OF THE ORIGINAL PLANT MATERIAL OR IF NO REPLACEMENT IS AVAILABLE, THE CONTRACTOR SHALL REIMBURSE THE OWNER FOR THE COST OF THE MATERIAL AND INSTALLATION. THE LANDSCAPE ARCHITECT SHALL BE THE RESPONSIBLE PARTY IN DETERMINING THE CONDITION OF THE PLANT MATERIAL, SIZE OF REPLACEMENT AND /OR COST COMPENSATION.

1.11 CLEAN-UP

A. DURING THE COURSE OF PLANTING OPERATIONS, EXCESS CONSTRUCTION WASTE MATERIALS SHALL BE REMOVED AND DISPOSED OF OFF-SITE AT A LEGAL DISPOSAL SITE.

B. PRIOR TO NOTICE OF COMPLETION, THE ENTIRE LANDSCAPED AREA SHALL BE CLEANED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.

1.12 SITE OBSERVATIONS

A. CONTRACTOR SHALL GIVE FORTY-EIGHT (48) HOURS NOTICE AND SET APPOINTMENTS FOR ALL SITE OBSERVATIONS.

B. SITE OBSERVATIONS BY THE LANDSCAPE ARCHITECT SHALL BE SCHEDULED AS SPECIFIED IN THE NOTES ON PLANS OR AS DIRECTED BY THE OWNER.

C. OBSERVATIONS SHALL BE CALLED FOR AT THE END OF ALL PLANTING OPERATIONS FOR THE PURPOSE OF DETERMINING COMPLIANCE WITH PLANS AND SPECIFICATIONS, WORKMANSHIP, AND CLEANUP. CONTRACTOR SHALL SECURE WRITTEN VERIFICATION OF OBSERVATION DATA, AND MAKE ANY CORRECTIONS REQUIRED TO WORK BEFORE BEGINNING THE MAINTENANCE PERIOD.

D. IN THE EVENT THE CONTRACTOR REQUESTS OBSERVATION OF WORK AND SAID WORK IS INCOMPLETE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBSERVATION COSTS INCURRED BY THE LANDSCAPE ARCHITECT.

1.13 FINAL SITE OBSERVATION AND ACCEPTANCE

A. FINAL SITE OBSERVATION OF PLANTING WILL BE MADE AT THE CONTRACTORS REQUEST AND UPON COMPLETION OF THE MAINTENANCE PERIOD.

B. THE WORK UNDER THIS CONTRACT WILL BE ACCEPTED BY THE LANDSCAPE ARCHITECT UPON THE SATISFACTORY COMPLETION OF ALL WORK, INCLUDING MAINTENANCE, BUT EXCLUSIVE OF THE GUARANTEE OF PLANT MATERIALS.

1.14 GUARANTEE AND REPLACEMENT

A. THE CONTRACTOR SHALL GUARANTEE THAT ALL PLANTS PLANTED UNDER THIS CONTRACT SHALL BE IN GOOD, HEALTHY AND FLOURISHING CONDITION OF ACTIVE GROWTH AT THE END OF ONE GROWING YEAR FROM THE DATE OF ACCEPTANCE. ALL OTHER PLANT MATERIALS SHALL BE GUARANTEED UNTIL FINAL ACCEPTANCE OF THE MAINTENANCE PERIOD.

B. ALL DEAD PLANTS AND ALL PLANTS THAT LOSE MORE THAN 30% OF THEIR ORIGINAL LEAVES, OR AS DETERMINED BY THE OWNER'S REPRESENTATIVE SHALL BE REPLACED WITHOUT COST TO THE OWNER WITHIN (10) DAYS OF NOTICE.

C. REPLACEMENT PLANT MATERIAL AND SEEDING SHALL BE OF COMPARABLE QUALITY AND SIZE TO THAT WHICH WAS ORIGINALLY INSTALLED. ALL PLANT MATERIAL REPLACED SHALL BE GUARANTEED FOR THE ORIGINAL PERIOD, STARTING FROM THE DATE OF REPLACEMENT.

1.15 SUBMITTALS

A. SUBMIT LIST WITH SOURCES AND QUANTITIES TO LANDSCAPE ARCHITECT OF SOIL AMENDMENTS, FERTILIZERS, PLANT MATERIALS, MULCH, SEEDS, AND SOD WITH QUANTITIES OF EACH TO BE USED ON THE JOB. RETAIN AND SUBMIT RECEIPTS AS REQUESTED BY THE LANDSCAPE ARCHITECT.

1.16 PUBLIC SAFETY

A. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO INSURE THE SAFETY OF ALL WORKERS, PEDESTRIANS AND ADJACENT PROPERTY IN ACCORDANCE WITH CALIFORNIA/OSHA REQUIREMENTS. THE LANDSCAPE ARCHITECT AND HIS CONSULTANTS DO NOT PRACTICE OR CONSULT IN THE FIELD OF SAFETY ENGINEERING. WE DO NOT DIRECT THE CONTRACTORS OPERATIONS AND WE CAN NOT BE RESPONSIBLE FOR PERSONNEL OTHER THAN OUR OWN ON THE SITE. THE SAFETY OF OTHERS IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IF HE CONSIDERS ANY OF THE RECOMMENDED ACTIONS IN THE CONTRACT DOCUMENTS TO BE UNSAFE.

1.17 AS-BUILT INFORMATION

A. A SET OF CONTRACT DRAWINGS THAT ARE VERIFIED BY THE CONTRACTOR TO BE AN 'APPROVED SET' OF THE GOVERNING AGENCY SHALL BE KEPT AT THE SITE OFFICE DURING CONSTRUCTION. ALL WORK THAT IS INSTALLED SHALL BE REVIEWED FOR CONFORMANCE WITH THE PLANS. IF NEW WORK OR WORK AS SHOWN ON THE PLANS IS DIFFERENT, THE CONTRACTOR SHALL NOTE THE INSTALLATION ON THE RECORD DRAWINGS. THE MARKED DRAWINGS SHALL BE KEPT CURRENT AS THE WORK PROGRESSES AND SHALL BE AVAILABLE FOR INSPECTION BY THE OWNER'S REPRESENTATIVE UPON REQUEST. AT 2 WEEKS PRIOR TO THE "NOTICE OF COMPLETION", THESE OR A COPY OF THE AS-BUILT DRAWINGS SHALL BE DELIVERED TO THE OWNER'S REPRESENTATIVE.

PART 2 - MATERIALS

2.01 PLANT MATERIALS

A. ALL PLANTS SHALL BE NURSERY GROWN IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICES, AND SHALL BE GROWN UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT FOR AT LEAST ONE YEAR.

B. PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY AND SHALL HAVE NORMAL HABITS OF GROWTH. THEY SHALL BE FREE OF DISEASE, INSECT PESTS OR THEIR EGGS, SUN-SCALE INJURES, ABRASIONS OR DISFIGUREMENTS, AND SHALL HAVE HEALTHY, WELL-DEVELOPED ROOT SYSTEMS.

C. TREES SHALL HAVE STRAIGHT TRUNKS UNLESS OTHERWISE SPECIFIED, WITH THE LEADER INTACT, UNDAMAGED, AND UNCUT. DAMAGED OR PRUNED TERMINAL LEADERS WILL BE CAUSE FOR REJECTION. PLANTS SHALL NOT BE PRUNED PRIOR TO DELIVERY EXCEPT UPON THE SPECIAL APPROVAL OF THE LANDSCAPE ARCHITECT .

D. ALL PLANTS SHALL CONFORM TO THE MEASUREMENTS SPECIFIED ON THE PLANTING PLAN EXCEPT THAT PLANTS LARGER THAN SPECIFIED MAY BE USED. USE OF SUCH PLANTS SHALL NOT INCREASE THE CONTRACT PRICE .

E. CONTAINER STOCK (5,15 GAL., AND BOX SIZES) SHALL HAVE GROWN IN THE CONTAINERS IN WHICH DELIVERED FOR AT LEAST 6 MONTHS BUT NOT OVER TWO YEARS, AND SHALL IN NO CASE BE ACCEPTED IF A ROOT BOUND CONDITION HAS BECOME PREVALENT.

E. CONTAINER STOCK SHALL IN NO CASE BE ACCEPTED IF A ROOT BOUND CONDITION HAS BECOME PREVALENT.

F. CONTAINER STOCK SHALL BE ESTABLISHED IN THE POTS AS FOLLOWS:

1. 1 GAL, FOR AT LEAST 2 MONTHS BUT NOT OVER 2 YEARS
2. 5,15 GAL., AND BOX SIZES FOR AT LEAST 6 MONTHS BUT NOT OVER TWO YEARS

2.02 LANDSCAPE MATERIALS

A. "PLANTING TABLETS" SHALL BE GRO-POWER PLANTING TABLETS 12-8-8 (12 MONTH SLOW RELEASE FORMULATION).

B. "MULCH" SHALL BE 'FOREST FINES' AVAILABLE THROUGH AGRISERVICE.

C. "HERBICIDE" SHALL BE ROUND-UP BY MONSANTO CORPORATION OR EQUIVALENT.

D. "PRE-EMERGENT" HERBICIDE SHALL BE TREFLAN, SURFLAN, EPTAN OR EQUIVALENT.

E. "NAILS", "WIRE", "HARDWARE", "STAPLES", AND "TURNBUCKLES" SHALL BE HOT DIPPED GALVANIZED.

F. "TREE STAKES" SHALL BE 2" DIAMETER BY 8' LENGTH COPPER NAPTHENATE TREATED LODGE POLE PINE STAKES, OR EQUAL, ACCORDING TO THE FOLLOWING SCHEDULE:

15 GALLON: 1 - 8' STAKE
24" BOX: 2 - 10' STAKES
36" BOX: GUY WIRES

G. "EROSION CONTROL FABRIC BLANKET" NOT USED

H. "ROOT BARRIERS": SHALL BE MADE OF A RIB SYSTEM, POLYPROPYLENE MATERIAL WITH A MINIMUM THICKNESS OF 0.08 INCH AND A MINIMUM DEPTH OF 24 INCHES. ROOT BARRIER TO BE MANUFACTURED BY "DEEPROOT" OR EQUIVALENT.

PART 3 - INSTALLATION

3.01 GENERAL REQUIREMENTS

A. INSTALLER MUST EXAMINE THE SUBGRADE, VERIFY THE ELEVATION AND OBSERVE THE CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED. IF SITE CONDITIONS VARY FROM THOSE SHOWN ON THE DRAWINGS, CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT AND GENERAL CONTRACTOR BEFORE COMMENCING WORK.

B. WHEN CONDITIONS DETRIMENTAL TO PLANT GROWTH ARE ENCOUNTERED OR FORESEEN SUCH AS, BUT NOT LIMITED TO PAVING, RUBBLE FILL, ENGINEERING FILL, ADVERSE DRAINAGE CONDITIONS, TOXIC SUBSTANCES OR OBSTRUCTIONS, NOTIFY OWNER'S REPRESENTATIVE BEFORE PLANTING.

3.02 WEED KILL

A. IRRIGATE SITE NORMALLY FOR TWO WEEKS TO GERMINATE WEEDS. APPLY CONTACT HERBICIDE PER MANUFACTURER.

B. WHEN ALL WEEDS HAVE PERISHED AND THE ACTIVE PERIOD OF HERBICIDE HAS EXPIRED ALL WEEDS SHALL BE COMPLETELY TURNED UNDER BY PLOWING, ROTOTILLING OR OTHER MECHANICAL MEANS. IF PERSISTENT REPEAT APPLICATION TO ASSURE ERADICATION.

C. ALL HERBICIDE APPLICATIONS SHALL BE PERFORMED BY A LICENSED AND BONDED OPERATOR

D. APPLY PRE-EMERGENT HERBICIDE AS NOTED UNDER MATERIALS AND AT THE RATES AS SPECIFIED BY THE MANUFACTURER.

3.03 SOIL PREPARATION

A. SOIL PREPARATION SHALL OCCUR NOT MORE THAN 30 DAYS PRIOR TO PLANTING. ALL PLANTING AREAS WITH ASPHALT, ENGINEERED FILL OR OTHER DELETERIOUS MATERIAL SHALL BE THOROUGHLY DUG OUT THROUGH SUB-BASE MATERIAL AND BACKFILLED WITH TOPSOIL.

B. SOIL TEST:

1. AFTER ROUGH GRADING CONTRACTOR SHALL PROVIDE A SOIL TEST.
2. SOIL SAMPLES SHALL BE TAKEN AT 6" TO 10" DEPTH, MIXED TOGETHER TO REPRESENT AN ADEQUATE CROSS SECTION OF CONDITIONS.
3. SOIL TEST SHALL BE CONDUCTED BY WALLACE LABS, INC. OR APPROVED EQUAL.
4. SOIL TEST SHALL INCLUDE TESTS FOR SOIL FERTILITY, AGRICULTURAL SUITABILITY ,ORGANIC CONTENT, N, P, K; PH; EC; SOIL TEXTURE; AND RECOMMENDATIONS FOR AMENDMENTS, LEACHING, MULCHING, AND MAINTENANCE FERTILIZATION.
5. CONTRACTOR SHALL FURNISH THE PROJECT LANDSCAPE ARCHITECT AND THE OWNER'S REPRESENTATIVE WITH A COPY OF TEST RESULTS AND RECEIVE WRITTEN APPROVAL FOR AMENDMENTS / SOIL PREPARATION PRIOR TO INSTALLATION

C. SOIL PREPARATION:

1. THE AMENDMENTS ARE TO BE MIXED INTO THE TOP 6" OF SOIL THROUGHOUT THE SITE EXCEPT ON SLOPES GREATER THAN 3:1.
2. PER CITY OF REDLANDS WATER EFFICIENT LANDSCAPE REGULATIONS, SOIL PREPARATION SHALL INCLUDE A MINIMUM THREE-INCH LAYER OF MULCH ON ALL EXPOSED SOIL SURFACES.
3. PER CITY OF REDLANDS WATER EFFICIENT LANDSCAPE REGULATIONS, SOIL PREPARATION SHALL INCLUDE COMPOST AT A RATE OF A MINIMUM OF FOUR CUBIC YARDS PER 1,000 SQUARE FEET OF PERMEABLE AREA.

D. THE FOLLOWING AMENDMENT MIXES ARE FOR CONTRACTOR BID PURPOSES (AND TO BE MODIFIED PER SOIL ANALYSIS RECOMMENDATIONS AS NECESSARY):

BID MIX FOR SHRUB BED :
SOIL AMENDMENTS BID MIX SHALL BE THE FOLLOWING PER 1000 SQUARE FEET:

- 4 CU. YDS. NITROGEN STABILIZED ORGANIC AMENDMENT 'HUMIC COMPOST' BY AGRI-SERVICE (800-262-4167) OR APPROVED EQUAL.
- 20 LBS. GRO-POWER PLUS
- 100 LBS. GYPSUM

BID MIX FOR PLANT PIT BACKFILL AREAS:
PLANTING AND BACKFILL MIX FOR PLANT PITS SHALL BE AS FOLLOWS PER CUBIC YARD:

- 70% OF NATIVE SOIL
- 30% NITROGEN STABILIZED ORGANIC AMENDMENT: 'HUMIC COMPOST' BY AGRI-SERVICE (800-262-4167) OR APPROVED EQUAL.
- 16 LBS GRO-POWER PLUS
- 2 LBS. FERROUS SULFATE

THOROUGHLY BLEND THE ABOVE AT A CENTRAL ON-SITE LOCATION PRIOR TO USE. THE FERROUS SULFATE SHOULD NOT CONTACT PAVING SURFACES AS STAINING WILL RESULT.

LEACHING:
CONTRACTOR SHALL ASSUME ONE ROUND OF SOIL LEACHING AND RETESTING OF LEACHED SOIL PRIOR TO PLANTING. PRIOR TO LEACHING; CONTRACTOR TO APPLY GYPSUM AND LEACH FOR A MINIMUM OF TWO WEEKS.APPLY SOIL AMENDMENTS RECOMMENDED IN SOILS TEST, EVENLY AND AT THE SPECIFIED APPLICATION RATES. SEE CONTRACT DOCUMENTS FOR SPECIFIC RECOMMENDATIONS.

- ROTOTILL TOP 6" OF SOIL TO A LOOSE AND FRIABLE CONSISTENCY.
- SLOPES STEEPER THAN 3:1 SHALL BE RAKED, BUT SHALL NOT RECEIVE SOIL AMENDMENTS EXCEPT AT EACH PLANT PIT BACKFILL.

3.04 FINISH GRADING

A. FINISH GRADING AFTER SOIL PREPARATION SHALL ESTABLISH FINAL FLOW LINES AND GRADIENTS FOR UNIFORM WATER DRAINAGE.

B. FINISHED GRADES SHALL BE SMOOTH, COMPACTED AND FREE FROM IRREGULAR CHANGES. SWALES SHALL READILY DRAIN AND BE FREE OF LUMPS OR HOLLOWS. ALL PLANTING BEDS SHALL DRAIN REGULARLY AS NOTED ON THE CONSTRUCTION DOCUMENTS OR AT A MINIMUM OF 2%, AWAY FROM BUILDINGS, WALLS AND TOWARD ROADWAYS, DRAINS AND CATCH BASINS.

C. FINISHED GRADES SHALL BE A MINIMUM OF 2" BELOW IN GROUND COVER/SHRUB BEDS. WHERE DRAINAGE FLOW IS INTERRUPTED BY MOW STRIPS, TRANSITION TO LEVEL WITH GRADE AT THESE LOCATIONS SO AS NOT TO OBSTRUCT FLOW. WHERE PAVEMENT OBSTRUCTS FLOW, CONTRACT THE OWNER FOR DIRECTION.

3.05 LAYOUT

A. LAYOUT OF ALL TREES, SHRUB MASSES, AND OTHER LANDSCAPE ELEMENTS SHALL BE STAKED BY THE CONTRACTOR IN THE FIELD FOR APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

B. PLANT ARRANGEMENTS ARE SHOWN ON DRAWINGS. HOWEVER, FINAL LOCATION AND/OR ORIENTATION OF ANY OR ALL PLANTS SHALL BE AS DIRECTED BY THE LANDSCAPE ARCHITECT . CONTRACTOR SHALL MAKE ANY CHANGES IN LOCATIONS OF PROPOSED PLANTING, AS MAY BE REQUIRED, WITHOUT ADDITIONAL COST TO THE OWNER.

C. PRIOR TO PLANTING, CONTRACTOR SHALL SURVEY SITE FOR POTENTIAL PLANT MATERIAL CONFLICTS. POTENTIAL CONFLICTS INCLUDE, BUT ARE NOT LIMITED TO PLANT MATERIAL OBSTRUCTIONS TO SIGNS, ROOF OVERHANGS, PEDESTRIAN AND VEHICULAR TRAFFIC, ROTOR SPRAY HEADS AND SLOPE/LEVEL AREAS WHICH DIFFER IN ELEVATION OF CONFIGURATION FROM EXISTING SITE PLANTING CONDITIONS.

D. TREES LOCATED WITHIN 10' (TEN FEET) OF WALKWAYS OR OTHER SURFACE IMPROVEMENTS SHALL BE INSTALLED WITH ROOT BARRIERS ADJACENT TO THE WALKWAY OR SURFACE IMPROVEMENT. DO NOT INSTALL ROOT BARRIERS AROUND THE ROOTBALL. THE LENGTH OF THE ROOT BARRIER SHALL BE A MINIMUM OF10' (TEN FEET) FROM THE CENTER OF THE TRUNK IN BOTH DIRECTIONS OF THE TREE.

E. ALL PLANTING BEDS SHALL HAVE THREE INCH MIN. THICK MULCH LAYER UNLESS OTHERWISE SPECIFIED ON PLANS. MULCH SHALL BE FREE OF STICKS, STONES, CLAY OR OTHER FOREIGN MATERIAL. CONTRACTOR SHALL SUBMIT SAMPLE TO THE PROJECT LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO DELIVERY TO THE JOB SITE.

3.06 EXCAVATION OF PLANTING PITS AND BEDS

A. ALL EXCAVATED HOLES SHALL HAVE ROUGHENED SURFACES, NOT GLAZED, AND SHALL BE OF THE MINIMUM SIZES INDICATED ON DRAWINGS.

B. UNDER NO CIRCUMSTANCES SHALL ANY PLANT PIT OR BED REMAIN OPEN OVERNIGHT UNLESS IT IS PROPERLY BARRICADED.

C. FILL EXCAVATIONS FOR ALL REPRESENTATIVE SITE CONDITIONS FOR TREES AND SHRUBS WITH WATER AND ALLOW TO PERCOLATE OUT OVER A 12 HOUR PERIOD. REFILL HOLE AND IF WATER IS NOT ABSORBED WITHIN 12 HOURS OF THE SECOND FILLING, CONTACT LANDSCAPE ARCHITECT FOR DIRECTION.

Accepted By:

GOUTAM K. DOBEY
CITY ENGINEER RCE 75646

12/19/2023
Date

LICENSED LANDSCAPE ARCHITECT
GLEN A. SCHMIDT No. 2138
SIGNATURE
10-31-23
RENEWAL DATE
5/25/2023
DATE
STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:

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Letter	Description	Date	Initial	Initial

Revisions

CITY OF REDLANDS

ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No.

PLANTING SPECIFICATIONS

28/28

2301-LS

PROJECT NO.:14-406
PLOT DATE: 5/25/2023
DRAWN BY: PR, LD, CT
CHECKED BY: CT,JJ

Approved By:

Tabitha Crocker
FACILITIES AND COMMUNITY SERVICES DIRECTOR

Date

Sheet 41 of 42 Sheets

Drawing No. LP-2.1

03/30/23 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

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PLANTING SPECIFICATIONS CONT.

3.07 PLANTING

A. CONTRACTOR SHALL IMMEDIATELY, UPON AWARD OF THE CONTRACT, ORDER, LOCATE AND PURCHASE (OR HAVE HELD) ALL PLANT MATERIAL REQUIRED BY THESE PLANS AND SPECIFICATIONS. PLANT MATERIAL SHALL BE GROWN UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE OF THE PROJECT SITE.

B. AFTER PLANTING PITS HAVE BEEN DUG, ADD "PLANTING TABLETS" TO THE PLANTING PITS ACCORDING TO THE FOLLOWING SCHEDULE:

ROOTED CUTTINGS, LINERS, 4 INCH POTS:

PLANT SIZE	AMOUNT
1 GALLON	2-10 GRAM. TABLETS
5 GALLON	3-10 GRAM. TABLETS
15 GALLON / 24" BOX	6-10 GRAM. TABLETS
24" BOX	VERIFY FROM MANUFACTURER QUANTITY TO USE
36" BOX	VERIFY FROM MANUFACTURER QUANTITY TO USE

C. CANNED STOCK SHALL BE REMOVED CAREFULLY FROM CANS AFTER LIGHTLY COMPRESSING THE SIDES OF THE CONTAINERS TO LOOSEN THE ROOT BALL. SLIDE PLANTS OUT OF CANS AND HANDLE BY EARTH BALL ONLY.

D. PLANTS SHALL BE SET ON UNAMENDED NATIVE SOIL FIRMLY TAMPED TO PREVENT SETTLING. AFTER BACKFILLING, PLANT CROWN SHALL BE SET SLIGHTLY HIGHER THAN THE SURROUNDING SOIL LEVEL. UPRIGHT PLANTS SHALL BE KEPT IN A VERTICAL POSITION.

E. AFTER PLACING IN PIT, WORK "PLANTING BACKFILL MIX" AROUND BALL OF GROUNDCOVER, SHRUBS AND TREES, WATER AND FIRMLY TAMP TO INSURE SOIL IN AND ABOUT ALL ROOTS.

F. NO PLANT WILL BE ACCEPTED IF THE ROOTBALL IS BROKEN OR CRACKED, EITHER BEFORE, DURING, OR AFTER THE PROCESS OF INSTALLATION.

G. STAKE TREES IMMEDIATELY AFTER PLANTING AS PER PLANTING DETAILS.

H. PRIOR TO PLANTING ALL SPRAY IRRIGATION SHALL BE FULLY OPERATIONAL AND DRIP IRRIGATION AREAS SHALL HAVE SUPPLY LINE INSTALLED, WITH EMITTERS HELD FOR INSTALLATION UNTIL ALL PLANTING IS COMPLETE.

I. ALL PLANTS UNLESS NOTED OTHERWISE ON PLANS SHALL BE THOROUGHLY WATERED AT TIME OF PLANTING, TAKING CARE NOT TO COVER CROWNS OF PLANTS WITH WET SOIL. PLANTS SHALL BE KEPT ADEQUATELY WATERED UNTIL TIME OF ACCEPTANCE.

J. GROUND COVER PLANTING SHALL BE AS NOTED ON PLANS AND PLANTED ON TRIANGULAR SPACING. EXTEND GROUND COVER TO WITHIN 12 INCHES OF ADJACENT SHRUBS OR TREE TRUNKS.

K. CONTRACTOR SHALL PROVIDE ADDITIONAL PLANT MATERIAL; IF ALL MATERIALS ARE NOT USED, THE CONTRACTOR SHALL CREDIT THE OWNER THE BALANCE OF THE AMOUNT. THE CONTRACTOR SHALL BID THE FOLLOWING MATERIAL IN ADDITION TO PLANTS SHOWN ON ATTACHED PLANS:
1 - 15 GALLON TREE/SHRUB
15 - 5 GALLON SHRUBS
15 - 1 GALLON SHRUBS

3.08 FINAL GRADING

A. THE FINISHED SURFACE SHALL BE SMOOTH, COMPACTED AND FREE FROM IRREGULAR CHANGES. SWALES SHALL READILY DRAIN AND BE FREE OF LUMPS OR HOLLOWS. ALL PLANTING BEDS SHALL DRAIN READILY AT A MINIMUM OF 2% AND BE FREE FROM PONDING OR STANDING WATER AT ALL TIMES. IN AREAS WHERE PLANTING BEDS ARE RETAINED BY WALLS, CURBS, OR OTHER HARD SURFACES, CARE SHALL BE TAKEN TO PROVIDE PROPER DRAINAGE.

B. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE THE ENTIRE PLANTING AREA SMOOTH AND EVEN, TO INSURE THAT FINISH GRADES SHALL BE 1 INCH BELOW THE SURFACE OF WALLS, CURBS AND PAVED AREAS, AND IN ALL CASES WITHOUT ABRUPT CHANGES IN GRADIENT.

C. THE OWNER'S REPRESENTATIVE SHALL APPROVE ALL FINISH GRADING PRIOR TO PLACEMENT OF ANY PLANT MATERIAL.

3.11 MAINTENANCE /ESTABLISHMENT PERIOD

A. ALL PLANTING SHALL BE GUARANTEED THROUGH THE ESTABLISHMENT PERIOD. TREES, SHRUBS, AND GROUNDCOVERS SHALL SHALL HAVE A 90 DAY ESTABLISHMENT PERIOD AND BE GUARANTEED FOR A PERIOD OF ONE YEAR, BEGINNING FROM THE DATE OF THE FINAL ACCEPTANCE OF THE ESTABLISHMENT PERIOD.CONTRACTOR SHALL CONTINUOUSLY MAINTAIN ALL AREAS INCLUDED IN THE CONTRACT DOCUMENTS DURING THE PROGRESS OF THE WORK, THROUGH THE MAINTENANCE PERIOD, AND UNTIL NOTICE OF COMPLETION.

B. MAINTENANCE OF PLANTED AREAS SHALL INCLUDE, BUT NOT BE LIMITED TO WATERING, PRUNING, EROSION REPAIR, WEED CONTROL, CULTIVATING, MULCHING, SPRAYING, AND REPLACEMENT OF SICK, DEAD OR DAMAGED PLANTS TO PROPER GRADES OR UPRIGHT POSITION, MOWING, DEBRIS REMOVAL, AND ALL OTHER CARE NECESSARY FOR PROPER GROWTH AND APPEARANCE OF THE PLANTS.

C. DAMAGE RESULTING FROM GULLIES, WASHOUTS, OR OTHER EROSION SHALL BE REPAIRED BY FILLING AND TAMPING, FERTILIZING, AND RE-SEEDING OR REPLANTING BY THE CONTRACTOR AT HIS EXPENSE IF SUCH DAMAGE OCCURS PRIOR TO ACCEPTANCE OF WORK UNDER THIS CONTRACT.

D. ALL SHRUBS AND TREES SHALL BE MAINTAINED IN THEIR NATURAL SHAPES. TALL OR SCRAGGLY BRANCHES SHALL BE THINNED OUT WHERE NECESSARY. IN NO CASE SHALL TREES OR SHRUBS BE TRIMMED BY HEADING OR SHEARING. ANY PLANTS SEVERELY PRUNED IN THIS MANNER SHALL BE REMOVED AND REPLACED AT CONTRACTOR'S EXPENSE.

E. DURING THE MAINTENANCE PERIOD, ANY PLANT INDICATING WEAKNESS OR PROBABILITY OF DYING, OR HAVE LOST MORE THAN 30% OF LEAVES SHALL BE REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.

F. TREE STAKES WHICH FOR ANY REASON ARE DAMAGED OR RENDERED INADEQUATE FOR SUPPORT SHALL BE REPAIRED AND RESTORED TO THEIR ORIGINAL CONDITIONS. TREE TIES SHALL BE ATTACHED SECURELY.

G. CONSTANT DILIGENCE SHALL BE MAINTAINED FOR THE ADVENT OF DISEASE, INSECTS, AND/OR RODENT INFESTATIONS AND PROPER PREVENTATIVE OR CONTROL MEASURES TAKEN.

H. ALL WEEDS IN GROUNDCOVER AREAS SHALL BE PULLED AS THEY APPEAR AND PRIOR TO SETTING SEED DURING THE MAINTENANCE PERIOD.

I. ALL WALKS, CURBS, AND GUTTERS SHALL BE KEPT CLEAR OF DEBRIS, MUD, DUST, AND STANDING WATER BY SWEEPING AND MOPPING AS REQUIRED TO MAINTAIN CLEANLINESS THROUGHOUT.

J. DURING THE MAINTENANCE PERIOD ALL AREAS INCLUDED IN THE CONTRACT SHALL BE CLEAN AND FREE OF DEBRIS AND WEEDS. ALL PLANT MATERIALS SHALL BE LIVE, HEALTHY, AND FREE OF INFESTATION. IF ANY ITEM OR PORTION OF THE CONTRACT WORK IS NOT ACCEPTABLE TO THE OWNER'S REPRESENTATIVE AT THE TIME OF FINAL INSPECTION, CONTRACTOR SHALL BE REQUIRED TO MAINTAIN ALL AREAS INCLUDED IN THE CONTRACT FOR ANY ADDITIONAL PERIOD OF TIME AS MAY BE REQUIRED TO REPAIR DEFECTIVE ITEM OR PORTION.

K. SETTLING OF MULCHED AREAS AND EROSION OF MULCH WITHIN THE MAINTENANCE PERIOD SHALL BE SUPPLEMENTED WITH ADDITIONAL MULCH AT THE CONTRACTORS EXPENSE TO MEET THE DEPTH AND COVERAGE SPECIFIED.

L. SETTLING OF AREAS WHICH CAUSES WATER TO POND OR INTERRUPT DRAINAGE FLOWS SHALL BE REPAIRED TO MAINTAIN POSITIVE DRAINAGE.

3.12 WRITTEN NOTICE

A. AT THE END OF THE SPECIFIED ESTABLISHMENT PERIOD, THE CONTRACTOR SHALL PRESENT WRITTEN NOTICE TO THE LANDSCAPE ARCHITECT AND OWNER, THAT HE HAS COMPLETED THE REQUIRED MAINTENANCE AND SUBMIT THE RECORD DRAWINGS. FURTHER MAINTENANCE WILL BE THE RESPONSIBILITY OF THE OWNER.

-END OF SECTION-

TREE PROTECTION NOTES

1. TREE-PROTECTION ZONE: AREA SURROUNDING INDIVIDUAL TREES OR GROUPS OF TREES TO BE PROTECTED DURING CONSTRUCTION AND DEFINED BY A CIRCLE CONCENTRIC WITH EACH TREE WITH A RADIUS 1.5 TIMES THE DIAMETER OF THE DRIP LINE UNLESS OTHERWISE INDICATED.

2. CONTRACTOR SHALL PROVIDE THE FOLLOWING SUBMITTALS:

A. WRITTEN REPORT, ENDORSED BY ARBORIST, LISTING CONDITIONS DETRIMENTAL TO TREE AND PLANT PROTECTION.

B. TREE PROTECTION PLAN, INCLUDING:

1. SPECIES AND SIZE OF TREE.
2. LOCATION ON SITE PLAN. INCLUDE UNIQUE IDENTIFIER FOR EACH.
3. LAYOUT PLAN OF PROTECTION-ZONE FENCING AND SIGNAGE
4. EQUIPMENT-MOVEMENT ROUTES AND MATERIAL STORAGE LOCATIONS OUTSIDE OF TREE PROTECTION ZONES
5. DETAIL FABRICATION AND ASSEMBLY OF PROTECTION-ZONE FENCING AND SIGNAGE.
6. EXTENT OF TRENCHING BY HAND OR WITH AIR SPADE WITHIN PROTECTION ZONES.

C. EXISTING CONDITIONS: DOCUMENTATION OF EXISTING TREES AND PLANTINGS INDICATED TO REMAIN, WHICH ESTABLISHES PRECONSTRUCTION CONDITIONS THAT MIGHT BE MISCONSTRUED AS DAMAGE CAUSED BY CONSTRUCTION ACTIVITIES.

1. USE SUFFICIENTLY DETAILED PHOTOGRAPHS OR VIDEO RECORDINGS.
2. INCLUDE PLANS AND NOTATIONS TO INDICATE SPECIFIC WOUNDS AND DAMAGE CONDITIONS OF EACH TREE OR OTHER PLANTS DESIGNATED TO REMAIN.

D. CERTIFICATION: FROM ARBORIST, CERTIFYING THAT TREES INDICATED TO REMAIN HAVE BEEN PROTECTED DURING CONSTRUCTION ACCORDING TO RECOGNIZED STANDARDS AND THAT TREES WERE PROMPTLY AND PROPERLY TREATED AND REPAIRED WHEN DAMAGED.

E. MAINTENANCE RECOMMENDATIONS: FROM ARBORIST, FOR CARE AND PROTECTION OF TREES AFFECTED BY CONSTRUCTION DURING AND AFTER COMPLETING THE WORK.

F. ARBORIST SHALL HAVE A MINIMUM OF 10 YEARS' EXPERIENCE IN TRIMMING MATURE TREES. THE CERTIFIED ARBORIST SHALL BE PROVIDED BY THE CONTRACTOR.

3. THE FOLLOWING PRACTICES ARE PROHIBITED WITHIN PROTECTION ZONES:
A. STORAGE OF CONSTRUCTION MATERIALS, DEBRIS, OR EXCAVATED MATERIAL.
B. MOVING OR PARKING VEHICLES OR EQUIPMENT.
C. IMPOUNDMENT OF WATER.
D. EXCAVATION OR OTHER DIGGING UNLESS OTHERWISE INDICATED.
E. ATTACHMENT OF SIGNS TO OR WRAPPING MATERIALS AROUND TREES OR PLANTS UNLESS OTHERWISE INDICATED.
F. CONTAMINATE SOIL FROM WASHING OUT EQUIPMENT (ESPECIALLY CONCRETE) AND VEHICLE MAINTENANCE.
G. WOUND OR BREAK TREE TRUNKS OR BRANCHES THROUGH CONTACT WITH VEHICLES AND HEAVY EQUIPMENT.
H. HEAT SOURCES, FLAMES, IGNITION SOURCES, AND SMOKING.

4. EROSION AND SEDIMENTATION CONTROL: EXAMINE THE SITE TO VERIFY THAT TEMPORARY EROSION- AND SEDIMENTATION-CONTROL MEASURES ARE IN PLACE. VERIFY THAT FLOWS OF WATER REDIRECTED FROM CONSTRUCTION AREAS OR GENERATED BY CONSTRUCTION ACTIVITY DO NOT ENTER OR CROSS PROTECTION ZONES.

5. PROTECT TREE ROOT SYSTEMS FROM DAMAGE CAUSED BY RUNOFF OR SPILLAGE OF NOXIOUS MATERIALS WHILE MIXING, PLACING, OR STORING CONSTRUCTION MATERIALS. PROTECT ROOT SYSTEMS FROM PONDING, ERODING, OR EXCESSIVE WETTING CAUSED BY DEWATERING OPERATIONS.

6. TREE PROTECTION-ZONE FENCING: PLASTIC CONSTRUCTION FENCING CONSTRUCTED OF HIGH-DENSITY EXTRUDED AND STRETCHED POLYETHYLENE FABRIC WITH 2-INCH MAXIMUM OPENING IN PATTERN AND WEIGHING A MINIMUM OF 0.4 LB/FT.; REMAINING FLEXIBLE FROM MINUS 60 TO PLUS 200 DEG F; INERT TO MOST CHEMICALS AND ACIDS; MINIMUM TENSILE YIELD STRENGTH OF 2000 PSI AND ULTIMATE TENSILE STRENGTH OF 2680 PSI; SECURED WITH PLASTIC BANDS OR GALVANIZED-STEEL OR STAINLESS-STEEL WIRE TIES; AND SUPPORTED BY TUBULAR OR T-SHAPE GALVANIZED-STEEL POSTS SPACED NOT MORE THAN 96 INCHES APART.

A. HEIGHT: 48 INCHES.
B. COLOR: HIGH-VISIBILITY ORANGE, NONFADING.

7. PROTECTION-ZONE FENCING PLACEMENT: INSTALL PROTECTION-ZONE FENCING ALONG EDGES OF PROTECTION ZONES BEFORE MATERIALS OR EQUIPMENT ARE BROUGHT ON THE SITE AND CONSTRUCTION OPERATIONS IN A MANNER THAT WILL PREVENT PEOPLE FROM EASILY ENTERING PROTECTED AREAS EXCEPT BY ENTRANCE GATES. CONSTRUCT FENCING SO AS NOT TO OBSTRUCT SAFE PASSAGE OR VISIBILITY AT VEHICLE INTERSECTIONS WHERE FENCING IS LOCATED ADJACENT TO PEDESTRIAN WALKWAYS OR IN CLOSE PROXIMITY TO STREET INTERSECTIONS, DRIVES, OR OTHER VEHICULAR CIRCULATION.

A. POSTS: SET OR DRIVE POSTS INTO GROUND ONE-THIRD THE TOTAL HEIGHT OF THE FENCE WITHOUT CONCRETE FOOTINGS. WHERE A POST IS LOCATED ON EXISTING PAVING OR CONCRETE TO REMAIN, PROVIDE APPROPRIATE MEANS OF POST SUPPORT ACCEPTABLE TO ARCHITECT.
B. ACCESS GATES: INSTALL AS NEEDED; ADJUST TO OPERATE SMOOTHLY, EASILY, AND QUIETLY; FREE OF BINDING, WARP, EXCESSIVE DEFLECTION, DISTORTION, NONALIGNMENT, MISPLACEMENT, DISRUPTION, OR MALFUNCTION THROUGHOUT ENTIRE OPERATIONAL RANGE. CONFIRM THAT LATCHES AND LOCKS ENGAGE ACCURATELY AND SECURELY WITHOUT FORCING OR BINDING.

8. PROTECTION-ZONE SIGNAGE PLACEMENT: INSTALL PROTECTION-ZONE SIGNAGE IN VISIBLY PROMINENT LOCATIONS IN A MANNER APPROVED BY ARCHITECT. INSTALL ONE SIGN SPACED APPROXIMATELY EVERY 50 FEET ON PROTECTION-ZONE FENCING.

9. PROVIDE PROTECTION-ZONE SIGNAGE: SHOP-FABRICATED, RIGID PLASTIC OR METAL SHEET WITH ATTACHMENT HOLES PREPUNCHED AND REINFORCED; LEGIBLY PRINTED WITH NONFADING LETTERING AND AS FOLLOWS:

A. LETTERING: 3-INCH HIGH MINIMUM.

10. MAINTAIN PROTECTION ZONES FREE OF WEEDS AND TRASH.

11. MAINTAIN PROTECTION-ZONE FENCING AND SIGNAGE IN GOOD CONDITION AS ACCEPTABLE TO ARCHITECT AND REMOVE WHEN CONSTRUCTION OPERATIONS ARE COMPLETE AND EQUIPMENT HAS BEEN REMOVED FROM THE SITE.

A. DO NOT REMOVE PROTECTION-ZONE FENCING, EVEN TEMPORARILY, TO ALLOW DELIVERIES OR EQUIPMENT ACCESS THROUGH THE PROTECTION ZONE.
B. TEMPORARY ACCESS IS PERMITTED SUBJECT TO PRE-APPROVAL IN WRITING BY ARBORIST IF A ROOT BUFFER EFFECTIVE AGAINST SOIL COMPACTION IS CONSTRUCTED AS DIRECTED BY ARBORIST. MAINTAIN ROOT BUFFER SO LONG AS ACCESS IS PERMITTED.

12. TRENCHING WITHIN PROTECTION ZONES: WHERE TRENCHES ARE REQUIRED WITHIN PROTECTION ZONES, EXCAVATE UNDER OR AROUND TREE ROOTS BY HAND OR WITH AIR SPADE, OR TUNNEL UNDER THE ROOTS BY DRILLING, AUGER BORING, OR PIPE JACKING. DO NOT CUT MAIN LATERAL TREE ROOTS OR TAPROOTS; CUT ONLY SMALLER ROOTS THAT INTERFERE WITH INSTALLATION OF UTILITIES. CUT ROOTS AS REQUIRED FOR ROOT PRUNING. IF EXCAVATING BY HAND, USE NARROW-TINE SPADING FORKS TO COMB SOIL AND EXPOSE ROOTS.

13. REDIRECT ROOTS IN BACKFILL AREAS WHERE POSSIBLE. IF ENCOUNTERING LARGE, MAIN LATERAL ROOTS, EXPOSE ROOTS BEYOND EXCAVATION LIMITS AS REQUIRED TO BEND AND REDIRECT THEM WITHOUT BREAKING. IF ENCOUNTERED IMMEDIATELY ADJACENT TO LOCATION OF NEW CONSTRUCTION AND REDIRECTION IS NOT PRACTICAL, CUT ROOTS APPROXIMATELY 3 INCHES BACK FROM NEW CONSTRUCTION AND AS REQUIRED FOR ROOT PRUNING.

14. DO NOT ALLOW EXPOSED ROOTS TO DRY OUT BEFORE PLACING PERMANENT BACKFILL. PROVIDE TEMPORARY EARTH COVER OR PACK WITH PEAT MOSS AND WRAP WITH BURLAP. WATER AND MAINTAIN IN A MOIST CONDITION. TEMPORARILY SUPPORT AND PROTECT ROOTS FROM DAMAGE UNTIL THEY ARE PERMANENTLY RELOCATED AND COVERED WITH SOIL.

DEAD TREE REPLACEMENT NOTES

1. ANY TREE THAT IS NOTED TO BE PROTECTED IN PLACE AND IS DAMAGED BY CONSTRUCTION SHALL BE REPLACED AT CONTRACTOR'S EXPENSE WITHIN FIFTEEN (15) CALENDAR DAYS OF WRITTEN NOTIFICATION BY THE ARCHITECT.
2. QUEEN PALMS THAT ARE DAMAGED BY CONSTRUCTION SHALL BE REPLACED WITH 15' BTH QUEEN PALMS TO MATCH EXISTING.
3. MEXICAN FAN PALMS THAT ARE DAMAGED BY CONSTRICTION SHALL BE REPLACED WITH 18' BTH PALMS TO BE SELECTED BY LANDSCAPE ARCHITECT.

-END OF SECTION-

Accepted By:

GOUTAM K. DOBEY
CITY ENGINEER RCE 75646

12/19/2023
Date

CITY OF REDLANDS

ZANJA TRAIL AND GREENWAY PARK, PHASE 2
PROJECT No.

PLANTING SPECIFICATIONS

28/28

2301-LS

LICENSED LANDSCAPE ARCHITECT
DEBRA SCHMIDT No. 5239
SIGNATURE
10-31-23
RENEWAL DATE
5/25/2023
DATE
STATE OF CALIFORNIA

PLANS PREPARED UNDER SUPERVISION OF:

SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
619.236.1462
UC, CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

Letter	Description	Date	Initial	Initial
	Revisions			

PROJECT NO.:14-406
PLOT DATE: 5/25/2023
DRAWN BY:
PR, LD, CT
CHECKED BY:
CT,JJ

Approved By:

Tabitha Crocker
FACILITIES AND COMMUNITY SERVICES DIRECTOR

Date

Sheet 42 of 42 Sheets
Drawing No. LP-2.2

03/30/23 - ZANJA TRAIL AND GREENWAY PARK PHASE 2 - 100% CONSTRUCTION DOCUMENTS

O:\Archive-Projects\400 projects\14-406 Mill Creek Zanja Trail Greenway\06-CD's\Zanja Phase 2\14-406 S-PLT Ph2.dwg 07/26/2023 08:34

CITY OF REDLANDS
REQUEST FOR ADDITIONAL APPROPRIATION

DATE OF REQUEST: 1/23/2024

FINANCE USE ONLY
TRANSACTION NO:
ACCOUNTING PERIOD:

An additional appropriation is hereby requested as follows:

Department: FCS

EXPENDITURE APPROPRIATION INCREASE (if applicable)				
Account Description	**Orgkey**	**Object Code**	**Job Ledger (If applicable)**	**Amount**
Other Land Improvements	101300	8602		$ 200,000.00
				$ $ 200,000.00

REVENUE APPROPRIATION INCREASE (if applicable)				
Account Description	**Orgkey**	**Object Code**	**Job Ledger (If applicable)**	**Amount**
General Fund - Parking Reserve	101000	3302		$ 200,000.00
				$ $ 200,000.00

JUSTIFICATION: Funds for reconstruction of parking lot adjacent to Zanja Trail between 7th Street and 9th Street. This will add parking to the downtown inventory and encourage people to visit downtown.

Requested By: _____
Department Head

Recommended By Finance Director:

Yes _____ No _____ Signed _____

Comments: _____

Recommended: _____
City Manager

Approved by City Council:

Date: _____

Signed: _____
City Clerk

City Council Meeting **H. 9.**

DATE: 02/20/2024

TO: Honorable Mayor and City Council Members

SUBJECT: Adopt Resolution No. 8561 designating an authorized representative to apply for the Department of Resources Recycling and Recovery grant program (Facilities and Community Services Department Director Crocker)

MOTION(S):

If the City Council determines that staff's recommendation is appropriate, the following motion is provided:

1. I move to adopt Resolution No. 8561.

RECOMMENDATION:

Staff recommends that City Council adopt Resolution No. 8561 to designate an authorized representative to apply for the Department of Resources Recycling and Recovery grant program in furtherance of the State of California's efforts to reduce, recycle, and reuse solid waste generated in the state.

DISCUSSION:

The City of Redlands will routinely apply and receive monies to fund capital improvements for the Solid Waste Divisions of the Facilities and Community Services Department. The Department of Resources Recycling and Recovery (CalRecycle) is administering a grant program meant to provide aid in the implementation of regulations adopted by CalRecycle pursuant to Chapter 395, Statues of 2016 and SB170 Budget Act of 2021. In September 2016, Governor Edmund Brown Jr. set methane emissions reduction targets for California in a statewide effort to reduce emissions of short-lived climate pollutants (SLCP). California has 2025 goals to redirect 20% of edible food currently thrown away to people in need, and reduce organic waste disposal by 75%.

These funds, if awarded, must be expended in compliance with the SB1383 Recycling program and Ordinance 2945. In 2021, the City of Redlands introduced a Residential Food Waste Recycling Drop-Off Program that provides drop-off locations for food waste collection throughout the City, complying with the requirement standards of SB1383. At that time, the City of Redlands adopted Ordinance 2945, officially added to Title 13 of the Redlands Municipal Code, introducing a new Chapter 13.67 (Mandatory Organic Waste Disposal Reduction) in October 2022. The ordinance lays out clear guidelines for separating organic waste from regular refuse for different waste generators, including single-family homes, business requirements for Edible Food Recovery, and instructions for enforcement. The City of Redlands is committed to sustainable practices and has established specific regulations for Edible Food Recovery. The Edible Food Recovery program is currently being developed and is expected to launch in early 2024. This approach allows departments to thoroughly evaluate and refine the program, ensuring that it seamlessly integrates with the City's existing initiatives.

According to CalRecycle's grant guidelines, the City of Redlands may request $137,279 for the implementation of the regulations associated with SB1383. If this grant is awarded,it will provide funding for the following items, including, but not limited to:

- Capacity planning
- Collection
- Edible Food Recovery
- Education and Outreach, (includes organic waste & edible food recovery)
- Enforcement and Inspection
- Program evaluation/gap analysis
- Procurement requirements
- Record Keeping

Staff intends to apply immediately following City Council approval to receive the grant award as soon as possible. The use of these grant funds will ensure the City of Redlands remains in compliance with CalRecycle’s implementation of regulations.

ALTERNATIVES:

City Council may choose to not adopt Resolution No. 8561 and provide alternative direction to staff.

STRATEGIC PLAN:
Supports Priority D - Sustainability.

SUBMITTED BY:
Tabitha Crocker, Facilities and Community Services Department Director

RECOMMENDED BY:
Charles M. Duggan Jr., City Manager

REVIEWED BY:
Janice McConnell, Assistant City Manager
Christopher Boatman, Assistant City Manager

PREPARED BY:
Nathalie Ayala, Senior Administrative Assistant

Fiscal Impact

Fiscal Year:	FY 2023-24
Revenue Generating:	No
Appropriation Required Y/N:	N
Budgeted Y/N:	N

Discussion:

There is no fiscal impact associated with the approval of this Resolution. The City expends minimal staff resources in preparing grant applications.

Attachments

A. Resolution No. 8561

RESOLUTION NO. 8561

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDLANDS AUTHORIZING SUBMITTAL OF INDIVIDUAL GRANT APPLICATIONS FOR ALL GRANT PROGRAMS FOR WHICH CITY OF REDLANDS IS ELIGIBLE

WHEREAS, Public Resources Code sections 48000 et seq. authorize the Department of Resources Recycling and Recovery (CalRecycle) to administer various grant programs (grants) in furtherance of the State of California's (state) efforts to reduce, recycle and reuse solid waste generated in the state thereby preserving landfill capacity and protecting public health and safety and the environment; and

WHEREAS, in furtherance of this authority CalRecycle is required to establish procedures governing the application, awarding, and management of the grants; and

WHEREAS, CalRecycle grant application procedures require, among other things, an applicant's governing body to declare by resolution certain authorizations related to the administration of CalRecycle grants.

BE IT FURTHER RESOLVED that the City Manager, or their designee, is hereby authorized and empowered to execute in the name of City of Redlands all grant documents, including but not limited to, applications, agreements, amendments, and requests for payment, necessary to secure grant funds and implement the approved grant project; and

BE IT FURTHER RESOLVED that these authorizations are effective for five years from the date of adoption.

ADOPTED, SIGNED AND APPROVED this 20th day of February, 2024.

_____
Eddie Tejeda, Mayor

ATTEST:

_____
Jeanne Donaldson, City Clerk

I, Jeanne Donaldson, City Clerk of the City of Redlands, hereby certify that the foregoing resolution was duly adopted by the City Council at a regular meeting thereof held on the 20th day of February, 2024. By the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

_____
Jeanne Donaldson, City Clerk

City Council Meeting **I. 1.**

DATE: 02/20/2024

TO: Honorable Mayor and City Council Members

SUBJECT: Presentation and acceptance of the 2022-23 City of Redlands Annual Comprehensive Financial Report, and the Independent Accountants' Report on Applying Agreed-Upon Procedures Related to the Article XIII-B Appropriations Limit Calculation (Management Services/Finance Director Garcia)

MOTION(S):

I move to accept the City of Redlands Comprehensive Annual Financial Report and the Independent Accountants' Report on Applying Agreed-Upon Procedures Related to the Article XIII-B Appropriations Limit Calculation for the fiscal year ending June 30, 2023.

RECOMMENDATION:

N/A

DISCUSSION:

The Annual Comprehensive Financial Report (ACFR) communicates the City's financial condition and activity for the fiscal year ending June 30, 2023. It is an audited summary report of the financial position and transactions of the City for the fiscal year. The Pun Group LLP, a certified public accounting firm, audited these documents and has provided an unmodified opinion of the City's financial statements. An unmodified opinion communicates to users that the financial statements are fairly presented and that the information used in the report is consistent with generally accepted accounting principles. This is the best opinion that the City can receive from its auditors.

State statute and federal funding requirements stipulate the need for an annual audit to be conducted by independent certified public accountants. The Pun Group LLP was selected through a competitive selection process to perform

these services for the City. The audit engagement was also designed to meet the requirements of the Federal Single Audit Act of 1984 and related OMB Circular A-133, as well as the requirements of Statement on Auditing Standards 115 (SAS 115) and Statement on Auditing Standards 114 (SAS 114). Accounting and reporting requirements adopted by the Governmental Accounting Standards Board (GASB) for annual financial statements of state and local governments have been implemented as required.

Pursuant to GASB guidelines, the City's ACFR is divided into three sections: Introductory, Financial and Statistical. The Introductory section contains a Letter of Transmittal. This letter includes a brief overview of the City, economic outlook, operational controls, and major initiatives. It also includes the Certificate of Achievement for Excellence in Financial Reporting from the Government Finance Officers Association (GFOA) for the prior fiscal year ended June 30, 2022. The GFOA's Certificate is the highest form of recognition in governmental accounting and financial reporting, and its attainment represents a significant accomplishment. The City has consistently received this award for the last twenty years.

The ACFR presents the City's financial condition and activity in a transparent and structured manner, which is explained in more detail in the section for Management's Discussion and Analysis. The report also provides historical and comparative information that can be useful to City staff, elected officials, and external users such as debt rating agencies, businesses, other public agencies, and the City's residents. The 2022-23 Annual Comprehensive Financial Report and several prior year reports are available on the City's website at cityofredlands.org/ACFR.

Article XIII-B of the California Constitution places limits on the amount of revenue that can be spent by the state and each local government entity. It is the responsibility of the City to calculate the annual appropriations limit. The City's auditors are required to review and approve the appropriations calculation as part of their audit to the City. The auditor found no exceptions to the City's calculation of the appropriations limit. The Independent Accountants' Report on Agreed-Upon Procedures Applies to Appropriations Limit Worksheet is included as an attachment to this report.

ALTERNATIVES:

Not Applicable

STRATEGIC PLAN:

Not Applicable

SUBMITTED BY:
Danielle Garcia, Management Services/Finance Director

RECOMMENDED BY:
Charles M. Duggan, Jr., City Manager

REVIEWED BY:
Yvette M. Abich Garcia, City Attorney
Janice McConnell, Assistant City Manager

Fiscal Impact

Discussion:

There is no fiscal impact associated with the motion provided.

Attachments

FY 2022-23 Annual Comprehensive Financial Report

AU-C 260 Letter (Conclusion of the Audit)

Independent Accountants' Report on Applying Agreed-Upon Procedures Related to the Article XIII-B Appropriations Limit Calculation

ANNUAL COMPREHENSIVE FINANCIAL REPORT

FOR THE FISCAL YEAR ENDED JUNE 30, 2023



CITY OF REDLANDS
CALIFORNIA

City of Redlands

Redlands, California

Annual Comprehensive Financial Report

For the Fiscal Year Ended June 30, 2023

Prepared by
Management Services/Finance Department

City of Redlands
Annual Comprehensive Financial Report
For the Year Ended June 30, 2023

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MANAGEMENT SERVICES
DEPARTMENT
FINANCE DIVISION

City of
REDLANDS
Incorporated 1888
35 Cajon Street, Redlands, CA 92373

Danielle Garcia
Management Services/Finance
Director

James Garland
Assistant Finance Director

December 20, 2023

To the Members of the City Council and Citizens of the City of Redlands:

It is the policy of the City of Redlands to annually publish a complete set of financial statements presented in conformity with generally accepted accounting principles (GAAP) and audited in accordance with generally accepted auditing standards by a firm of certified public accountants. Pursuant to that requirement, we hereby issue the annual comprehensive financial statements of the City of Redlands (the City) for the Fiscal Year ended June 30, 2023.

This report consists of management's representations concerning the finances of the City. Consequently, management assumes full responsibility for the completeness and reliability of all the information presented in this report. To provide a reasonable basis for making these representations, management of the City has established a comprehensive internal control framework that is designed both to protect the City's assets from loss, theft, or misuse and to compile sufficient reliable information for the preparation of the City's financial statements in conformity with GAAP. Because the cost of internal controls should not outweigh their benefits, the City's comprehensive framework of internal controls has been designed to provide reasonable rather than absolute assurance that the financial statements will be free from material misstatement. As management, we assert that, to the best of our knowledge and belief, this financial report is complete and reliable in all material respects.

The City's financial statements have been audited by The Pun Group, LLP, an independent firm of certified public accountants. The goal of the independent audit was to provide reasonable assurance that the financial statements of the City for the Fiscal Year ended June 30, 2023, are free of material misstatement. The independent audit involved examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements; assessing the accounting principles used and significant estimates made by management; and evaluating the overall financial statement presentation. The independent auditor concluded, based upon the audit, that there was a reasonable basis for rendering an unmodified ("clean") opinion that the City's financial statements for the Fiscal Year ended June 30, 2023 were fairly presented in conformity with GAAP. The independent auditor's report is presented as the first component of the financial section of this report.

The independent audit of the financial statements of the City is typically part of a broader, federally mandated "Single Audit" designed to meet the special needs of federal grantor agencies. The standards governing Single Audit engagements require the independent auditor to report not only on the fair presentation of the financial statements, but also on the audited City's internal controls and legal requirements involving the administration of federal awards. These reports are available in the City's separately issued Single Audit Report.

GAAP requires that management provide a narrative introduction, overview, and analysis to accompany the basic financial statements in the form of Management's Discussion and Analysis (MD&A). This letter of transmittal is designed to complement the MD&A and should be read in conjunction with it. The City's MD&A can be found immediately following the independent auditor's report.

PROFILE OF THE CITY OF REDLANDS

The City of Redlands, incorporated in 1888, is located 63 miles east of Los Angeles, 110 miles north of San Diego, and 500 miles southeast of San Francisco. It lies within the San Bernardino Valley in the southwestern portion of San Bernardino County, covering an area of 36 square miles, within the heart of the Inland Empire. It serves a population of 72,259.

The City was incorporated under the general laws of the State of California and enjoys all the rights and privileges applicable to a General Law City. It is a municipal corporation governed by a five-member city council in which all policy-making and legislative authority is vested. The City Council is responsible, among other things for passing ordinances, adopting the budget, appointing committees, and hiring both the City Manager and City Attorney. The City Manager is the chief administrative officer of the City and as such is responsible for carrying out the policies and ordinances of the City Council, for overseeing the day-to-day operations of the City, and for appointing department heads. The Council is elected on a non-partisan basis. Council members serve four-year staggered terms, with elections occurring every two years. The mayor is currently elected by a majority vote of the Council. Adopted in 2017, Ordinance No. 2848, amended the Redlands Municipal Code to change the City's electoral system for City Council Members from at-large to by-district elections.

The City provides a full range of services, including police and fire protection, animal control, emergency medical aid, building safety regulation and inspection, street lighting, landscaping, sewer and water utilities, solid waste collection and disposal, land use planning and zoning, recreation and community services, maintenance and improvement of streets and related structures, traffic safety maintenance and improvement, and a full range of recreational and cultural programs for citizen participation, as well as being the home of the historic A. K. Smiley Public Library.

Budgets are adopted on a basis consistent with accounting principles generally accepted in the United States of America. Annual appropriated budgets are adopted for all departments within the general, special revenue and capital project funds.

The annual budget serves as the foundation for the City's financial planning and control. Biennially, during the period February through May, department heads prepare estimates of required appropriations for the following two-year budget cycle. These estimates are compiled into a proposed operating budget that includes a summary of proposed expenditures and financial resources and historical data for the preceding budget cycle. The City Manager's Recommended Budget is then presented either to the full City Council or to the Budget Subcommittee (comprised of 2 members of the City Council and the City Treasurer) at a public meeting noticed in accordance with the Brown Act. A series of two (2) to three (3) budget presentations are then provided to the City Council during regular and special Council meetings, with the Budget Adoption occurring last at a regular meeting of the Council prior to June 30th of each year.

The City Manager is legally authorized to transfer budgeted amounts between divisions and accounts within the same department. Transfer of appropriations between departments or funds and increased appropriations must be authorized by the City Council. Expenditures may not legally exceed budgeted appropriations within a fund. All appropriations shall lapse at the end of the fiscal year to the extent they have not been expended or lawfully encumbered.

The City maintains budgetary controls to ensure compliance with provisions embodied in the annual appropriated budget approved by the City Council. Activities of the general fund, special revenue funds, debt service funds, capital projects funds, enterprise funds and internal service funds are included in the annual budget. Formal budgets are not employed for debt service funds because debt indenture provisions specify payments. The permanent fund is not budgeted. The level of control (level at which expenditures may not exceed budget) is the fund level. The City also maintains an encumbrance accounting system as one technique of accomplishing budgetary control. Encumbered amounts lapse at year-end; however encumbrances may be re-appropriated each year by separate action of the City Council. Budget-to-actual comparisons are provided in this report for each individual governmental fund for which an appropriated annual budget has been adopted. For the general fund and major special revenue funds, this comparison is presented as part of the required supplementary information in the accompanying financial statements. For governmental funds that have appropriated annual budgets, other than the general fund and major special revenue funds, this comparison is presented in the supplementary section of the accompanying financial statements.

ECONOMIC CONDITION AND OUTLOOK

The information presented in the financial statements is perhaps best understood when it is considered from the broader perspective of the specific environment within which the City operates.

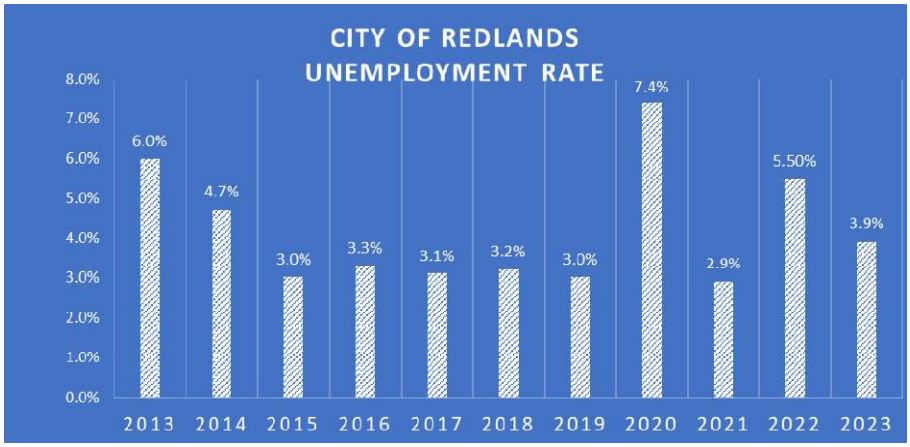
Local economy. Throughout fiscal year 2023, economic indicators showed that amid uncertainty, the City's economy was continuing to move further and further away from the pandemic shockwaves of recent years. The strength of the local economy was evidenced by significant growth in key revenue sources over prior years. In terms of year-over-year changes for the City's major revenue sources, Property Tax increased by 7% and Sales Tax increased by 1% after experiencing significant year-over-year growth. Other key revenue sources also saw year-over-year increases as well. Many of these increases are attributed to recent economic development the City has experienced over the past several years, as well as a continuing rebound from the pandemic.

The City of Redlands' economy is based largely in the service and trade sectors (health care, retail trade, logistics, technology, and education). The region has a varied manufacturing and industrial base that has added to the relative stability of the unemployment rate over the years. Redlands' unemployment rate remains lower than its neighboring communities. Since 2002, the annual unemployment rate for the City has ranged from a low of 2.9% in 2021 to a high of 10.5% in 2010, which surpasses the 2020 pandemic-related peak of 7.4%.

Major industries within the City's boundaries or in proximity include computer software manufacturers, higher education institutions, light manufacturing, regional distribution centers and several financial and insurance institutions. Major employers in the City, or within the vicinity, include the Redlands Unified School District, Esri (Environmental Systems Research Institute), Redlands Community Hospital, Amazon Fulfillment Center, Beaver Medical Group, the City of Redlands, the University of Redlands, Burlington Coat Factory Distribution Center and Loma Linda University Behavioral Medical Center.

The City reviews a variety of indicators during the fiscal year as a part of the review of the economic conditions impacting the City and to analyze trends and patterns therein.

Unemployment Rate – The City's unemployment rate over the last 4 years has moved a lot. In 2020, it reached its highest level since the Great Recession, recovering the next year in 2021 back to a pre-pandemic low of 2.9%. The following year, 2022, saw an increase to 5.5% in the unemployment rate as labor force participation increased at a rate faster than the economy was adding job openings. So far, in 2023, the 10-month average unemployment rate for the year is 3.9%, reflecting a decrease of nearly 1.5% from the prior year and indicating that the economy has added more jobs to accommodate the larger labor force.



Assessed Value – In calendar year 2023, the City's assessed value increased a sizable 5.6% from the prior year and is the ninth consecutive year of growth above 3%. The 10-year average for growth in assessed value over the prior year is a healthy 5.1%. There are several factors that contribute to this growth. New residential and non-residential construction contributed roughly 1% of this growth, while the vast majority (~4.4%) of this growth is attributed to transfers of ownership (i.e., homes sales at prices above their assessed value).



Housing Market - The local real estate market strengthened compared to the broader economy, as a variety of market conditions are keeping median home sale prices well above pre-pandemic levels. Despite forecasts that increased borrowing costs would help induce home price moderation, median prices for detached single family homes in Redlands increased roughly 12% between December 2022 and October 2023 prices. This sustained increase in home prices, along with favorable state legislation has induced home building across the City. Several residential developments are currently in the entitlement process.

Trends in the regional and national economy have contributed to a fiscal year of revenue growth, growth in assessed value and improving unemployment numbers. Although the City is on strong financial footing, the potential fiscal impact of a future recession is always a topic of discussion.

The budget for fiscal year 2023 was the City's first biennial budget adopted by the City Council, covering fiscal years 2023 & 2024. This biennial budget builds on the City's continuing recovery from the pandemic and the significant addition of Measure T sax revenue beginning in April 2021 while investing in enhancements to services, infrastructure and programs that address deferred maintenance, homelessness, and other community priorities. In the General Fund, City revenue from combined sales tax sources increased from roughly $17,510,000 in 2020 to $48,633,000 in 2023 (an increase of 178%). Property tax has continued to perform well as home prices remain high and new development that has occurred in years passed is added to the tax rolls. During the same time frame from 2020 to 2023, the City's revenue from property tax grew from roughly $32,000,000 to approximately $38,300,000 (an increase of almost 20%).

Demand for homebuilding continues despite prevailing economic conditions that include inflation and higher interest rates.

In residential construction, there are over 1,400 apartment units and over 800 single family dwelling units in the application and entitlement phase at the close of fiscal year 2023. These projects are in addition to those residential developments currently under construction, all of which will add significantly to the housing stock of the City. The uptick in residential developments within the City has been boosted by state legislation requiring compliance with the Regional Housing Needs Allocation (RHNA) target determined by the California Department of Housing & Community Development.

Approved projects include the State Street Village Project to redevelop the former Redlands Mall site with a transit-oriented district and mixed uses. This project includes five 3-story and 4-story buildings with a total of up to 700 apartments/condominiums, a resident amenity building, public & private open space areas, public realm improvements and a variety of retail and office space. Completed projects include the Heritage Specific Plan project by Lennar Homes, referred to as Traditions, a 207-lot single-family residential subdivision in the northwest area of the City.

Redlands' strengthening tax base has been supported by a strong housing market influenced by multiuse and transit-oriented residential and commercial developments. While we recognize that rising interest rates could create downward pressure on housing demand in the medium term, we think the city will continue to participate in the region's long-term housing demand growth.

In terms of commercial development, several projects have either been completed or are currently in the entitlement process. Phase 2 of the Packing House District shopping center is complete and consists of two new commercial buildings on 3.9 acres for retail and restaurant uses. Most of this space has already been leased out. Also, the Redlands Railway District, LLC recently constructed a retail building on a vacant parcel that consists of roughly 7,000 square feet of retail spaced on the west side of the historic Santa Fe Depot. Projects in the pipeline include the Redlands City Center, a mixed-use development consisting of three retail & restaurant pads on the ground floor and 138 apartment units on upper floors on approximately 3 acres. The construction of two new medical office buildings with nine suites and related site improvements has been approved by the Planning Commission.

As well the Phelps Office Building has also received approvals to build a multi-tenant building for commercial, office and light industrial uses. Lastly, Newland Development has received approval to construct six Class-A concrete tilt-up light industrial buildings between 30,000 and 50,000 square feet each.

Other notable business openings in fiscal year 2022-23 include the following:

- Walters Wholesale Electric, an electrical supply and servicing store, opened in July 2022, providing industrial automation and low voltage solutions, lighting controls, tool rental, roadway and street lighting, and more.
- Pandion, a tech-sector logistics company, opened operations in Redlands at a newly constructed industrial building. They specialize in e-commerce delivery and are headquartered in Seattle.
- Hot Topic, a music-inspired clothing & accessory retailer, opened in November 2022 and offers band-related apparel and accessories, licensed merchandise, and accessories.
- The Overland opened in April 2023 and is billed as "equal parts cocktail lounge, small bites restaurant, and vinyl record listening space."
- Pedego E-bikes opened a store in Redlands in March 2023, featuring options to buy or rent the nation's bestselling models of electric bikes.
- Whiskey Republic Spirits & Kitchen opened in October 2022, and is a full-service bar offering line dancing, karaoke, and Sunday brunch.
- Sosogu Ramen opened in September 2022. Their menu highlights signature craft ramen with made-from-scratch noodles and offers the experience of traditional Japanese barbeque where customers share premium cooked meats over a flaming charcoal grill.
- Henry's Sports Bar & Grill opened in March 2023, offering a sports bar experience as well as a neighborhood bar and grill atmosphere.
- In May 2023, the Veterinary Emergency Center of Redlands opened its doors and began offering the City's first 24-hour veterinary clinic, including a fully equipped emergency and critical care overnight hospital for small animals, serving the pet owners of Redlands and nearby communities.
- Rui's Shanghai Bistro opened a second location in the Redlands Packing House District in March 2023, serving authentic Chinese cuisine and other Asian specialties.

Successor Agency. The City of Redlands Redevelopment Agency – and all redevelopment agencies in California –were dissolved under AB1X 26 (and subsequently AB1484), effective as of February 1, 2012, and the City of Redlands, as "Successor Agency," assumed responsibilities for winding down the operations of the Successor Agency.

On September 8, 2015, the DOF approved the Successor Agency's Long-Range Property Management Plan (LRPMP). As of April 2019, the City has disposed of all remaining properties not specified for a governmental purpose in accordance with the LRPMP. In addition, all outstanding liabilities of the Successor Agency were satisfied as of the end of Fiscal Year 2023. The City submitted a formal request to dissolve the Successor Agency to Former Redevelopment Agency of the City of Redlands and the Request for Action by the Countywide Oversight Board will be considered at its meeting of January 11, 2024. Further discussion about the Successor Agency can be found in Note 14 of the Notes to the Basic Financial Statements.

Long-term financial outlook/planning. As the COVID-19 pandemic continues to recede further into the fiscal distance, the City has benefitted from an expanding tax base, higher General Fund revenues and reserves, as well as ongoing residential and commercial development. While the trajectory of the economy long-term remains uncertain, there are several factors that bode well for the stability and resilience of the local economy.

Significant growth in the assessed values over the past several years has built a larger base upon which property taxes are levied. The unprecedented growth in value due to sales transactions is reflected in FY 2023 property tax revenue. Because housing plays an important role in the region's economy, it is important to monitor the effects of a higher interest rate environment as it will almost certainly affect home prices and volume of sales.

The City's and the region's labor force has continued to expand, and unemployment is below prior year levels, demonstrating that businesses are hiring. Worker availability has been the primary constraint on job growth. This has led to wage growth as employers compete for a smaller pool of applicants. These dynamics have helped to stave off unwanted side effects of a higher interest rate environment, like high unemployment and lending market tightening.

Overall in the economy, inflation remains high despite moderating; economic activity remains elevated despite high interest rates; unemployment is low and labor force participation is up. This data seems to support the concept of a projected "soft landing" for the economy. These factors will set the background for revenue forecast for the next biennium budget (fiscal year 2025 & 2026). The forecast will assume that inflation will continue to moderate and the economy will experience what has been described as a "slowsession," where economic growth stays low without slipping below zero for any extended period of time.

Overall, fiscal conditions for the City have improved from the prior year's outlook, especially as the risk of recession has dampened from the outlook in FY 2021-22. While uncertainty remains regarding inflation, unemployment and the next economic cycle, the City has bolstered its resources with the passage of Measure T and the steadily increasing growth in assessed property values. Those strengths are added to by the increase in development activities, both in residential and commercial projects, as well as the continued opening and expansion of businesses in the area.

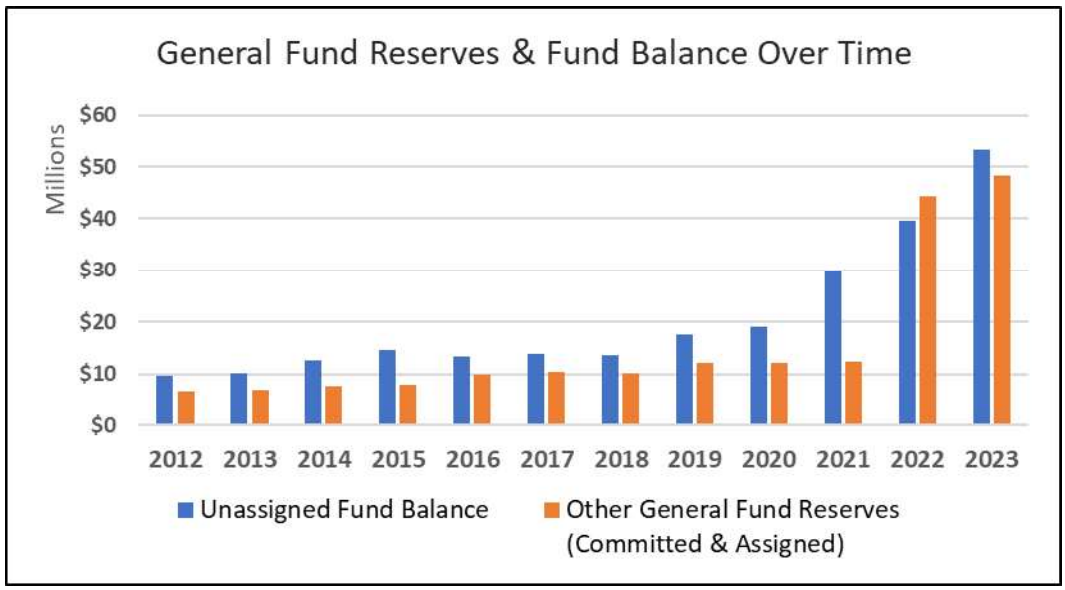
In March 2022, the City Council adopted a Strategic Plan for fiscal year 2022-23 through fiscal year 2027-28. The Strategic Plan resulted from a collaborative process that engaged our community. It is a living document that will focus the City's energy and resources, ensure that City officials and staff are working toward common goals, establish consensus around intended outcomes and allow us to regularly assess and adjust the organization's direction in a changing environment.

The plan serves as a framework for achieving a vision for the community as a "connected conscientious, safe community with a small town feel in which all people and businesses can thrive." It includes the following focus areas:

- Quality of Life
- Public Health & Safety
- Equity & Inclusion
- Sustainability

Each of these topics influence local forecasts for economic development, property & sales tax revenues, housing market, and City investment. In the wake of the pandemic, the City has not only rebuilt its labor force and fiscal reserve, but is also focusing on addressing long-standing capital and infrastructure needs. As a City, we are committed to acting with fiscal prudence, operating lean and utilizing resources responsibly as entrusted to us.

The graph below provides an at-a-glance view of the City's ability to prioritize spending and facilitate investment in long-term capital needs. In fiscal year 2023, the City's reserves for capital projects included: $1.9 million for parking improvements in the downtown, roughly $3.5 million in parks, equipment, facilities, sidewalks and building capital, $24.8 million for future city facilities, $2.5 million for public safety/homelessness, and $2 million for unfunded mandates.



Notably, the ending unassigned fund balance for the General Fund was approximately $13.8 million higher than the prior year and roughly $23.4 million higher than FY 2021, increasing from $29.9 million in FY 2021 to $53.3 million in FY 2023. Further review of the General Fund is included within Management's Discussion and Analysis which follows the independent auditor's report.

Relevant Financial Policies

The City has adopted a set of financial policies based on best management practices and GFOA standards. These policies direct the administration of the budget, accounting practices, purchasing, debt, capital financing, investments, and capital assets. Central to the management of the budget and reserves are two policies: the Balanced Budget Policy – Ordinance No. 2660 (2007) and the Fund Balance Policy established by Resolution No. 7346 (2013). The Balanced Budget Policy requires that the City Council adopt a balanced budget on an annual basis wherein total financial sources meet or exceed the total financial requirements of the City, excluding one-time capital expenditures. This ensures a structural balance of revenues and expenditures and creates sustainability with regard to ongoing appropriations. The Fund Balance Policy provides that it is the policy of the City to assign a minimum of 45% of the General Fund's excess of Revenues over Expenses (the surplus – if any) each fiscal year for general fund assigned reserves in the categories of Capital Equipment, Building Purchases and/or Improvements, and Unfunded Mandates in equal proportion and 15% of that excess to the committee reserve for operating contingency. This policy has contributed to the City's ability to invest in capital replacement of aging infrastructure of parks and public buildings as well as funding adequate reserves to respond to natural disasters or other disruptions to the City's critical revenue streams.

In June 2018, the City Council adopted Resolution No. 7983 establishing the City's Debt Management Policy. Among other things, this policy establishes guidelines for the use of various categories of debt; creates procedures and policies that minimize the City's debt service and issuance costs; and provides for full and complete financial disclosure and reporting. The Policy was developed to improve the quality of decision-making, provide justification for how debt issuance is structured, identify goals, and to validate the City's commitment to strategic long-term financial planning. Maintaining compliance with the Policy should demonstrate to rating agencies and to capital markets that the City is well managed and will be able to meet its financial obligations on a timely basis.

Awards and Acknowledgements

The Government Finance Officers Association of the United States and Canada (GFOA) awarded a Certificate of Achievement of Excellence in Financial Reporting to the City of Redlands for its Annual Comprehensive Financial Report for the Fiscal Year Ended June 30, 2022. This was the twentieth consecutive year that the government has achieved this prestigious award. In order to be awarded a Certificate of Achievement, a government must publish an easily readable and efficiently organized annual comprehensive financial report. This report must satisfy both generally accepted accounting principles and applicable legal requirements.

A Certificate of Achievement is valid for a period of one year only. We believe that our current annual comprehensive financial report continues to meet the Certificate of Achievement Program's requirements and we are submitting it to the GFOA to determine its eligibility for another certificate.

The preparation of the annual comprehensive financial report was made possible by the dedicated service of the entire staff of the Finance division. Special recognition is due to Assistant Finance Director, James Garland; Finance Manager, Marie Datuin; senior accountants Denise Camarillo and Jannette Mendoza, and budget analyst, Miriam Valtierra for their efforts in overseeing the compilation of the accounting data and interfacing with our auditors; and to the accounting firm of The Pun Group, LLP, and to the City Manager's Office. Credit is also due to City Manager Charles M. Duggan, Jr., Assistant City Manager Janice McConnell, and the Mayor and the City Council for their consistent support for maintaining the highest standards of professionalism in the management of the City's finances.

Respectfully submitted,



Danielle Garcia
Management Services / Finance Director

City of Redlands

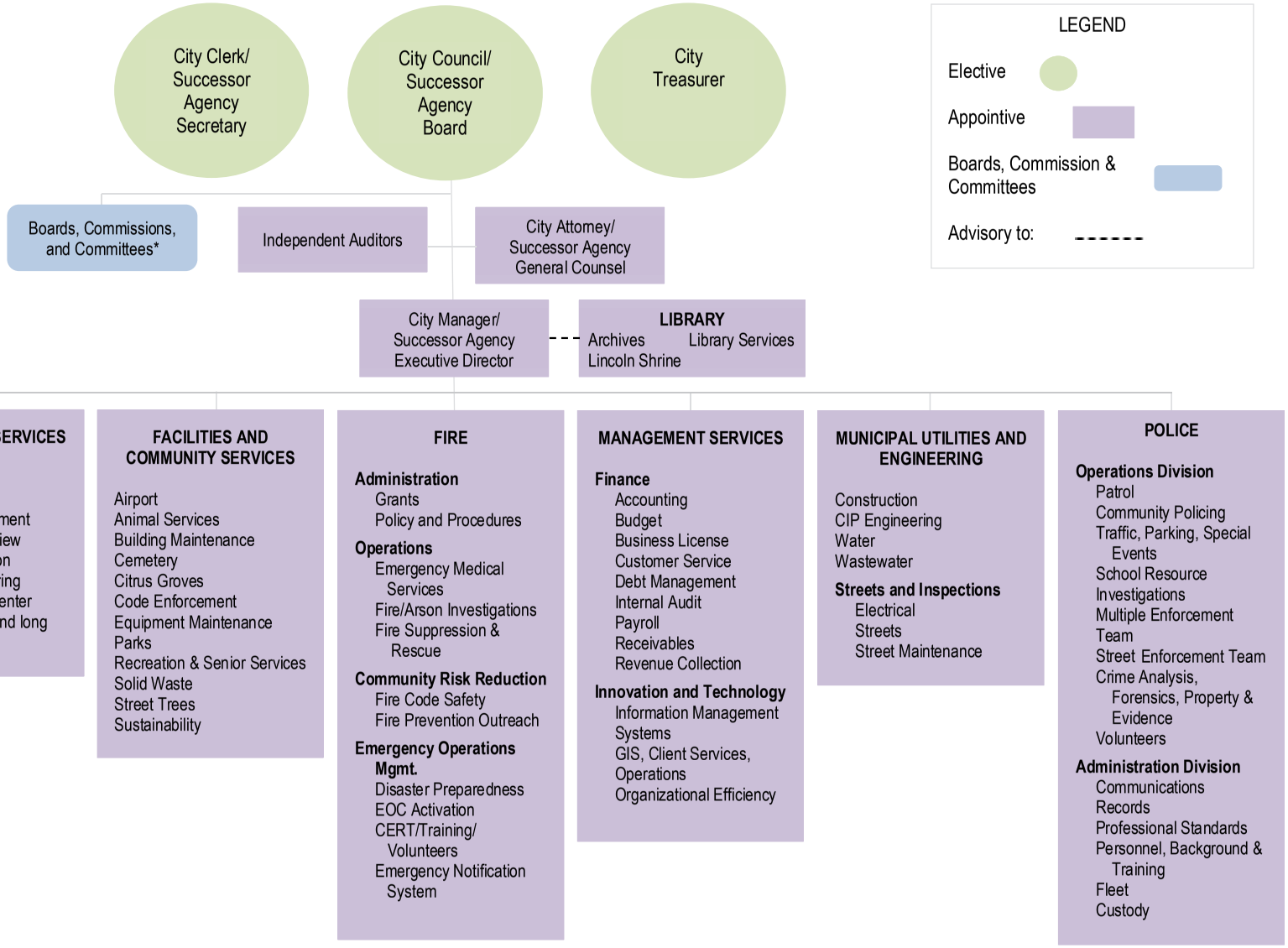
Principal Officers
as of June 30, 2023

City Council (Elected)	Eddie Tejeda, Mayor
	Paul T. Barich, Mayor Pro Tem
	Denise Davis, Councilmember
	Mario Saucedo, Councilmember
	Jenna Guzman-Lowery, Councilmember
City Manager	Charles M. Duggan, Jr.
Assistant City Manager	Janice McConnell
Assistant City Manager	Christopher Boatman
City Clerk (Elected)	Jeanne Donaldson
City Treasurer	Phillip Doolittle
City Attorney	Yvette Abich Garcia
Development Services Director	Brian Desatnik
Fire Chief	Rich Sessler
Library Director	Donald McCue
Management Services/Finance Director	Danielle Garcia
Municipal Utilities & Engineering Director	John Harris
Facilities & Community Services Director	Tabitha Crocker
Police Chief	Rachel Tolber

City of Redlands, CA
Organizational Chart
Approved By:

Charles M. Duggan Jr.

Charles M. Duggan, Jr.
City Manager
Effective July, 2022



❖ There are fourteen advisory Boards/Commissions/Committees as follows: Airport Advisory Board, Citrus Preservation Commission, Cultural Arts Commission, Disaster Council, Historic & Scenic Preservation Commission, Human Relations Commission, Measure T Oversight Committee, Municipal Utilities & Public Works Commission, Parks & Recreation Advisory Board, Planning Commission, Library Board, Street Tree Committee, Traffic & Parking Commission, and the Utilities Advisory Committee.

Government Finance Officers Association

Certificate of Achievement for Excellence in Financial Reporting

Presented to

City of Redlands California

For its Annual Comprehensive
Financial Report
For the Fiscal Year Ended

June 30, 2022

Christopher P. Morrill

Executive Director/CEO

THE PUN GROUP
ACCOUNTANTS & ADVISORS

200 E. Sandpointe Avenue, Suite 600
Santa Ana, California 92707

www.pungroup.cpa

INDEPENDENT AUDITORS' REPORT

To the Honorable Mayor and Members
of the City Council of the City of Redlands
Redlands, California

Report on the Audit of the Financial Statements

Opinions

We have audited the accompanying financial statements of the governmental activities, the business-type activities, each major fund, and the aggregate remaining fund information of the City of Redlands, California (the "City"), as of and for the year ended June 30, 2023, and the related notes to the basic financial statements, which collectively comprise the City's basic financial statements as listed in the table of contents.

In our opinion, the financial statements referred to above present fairly, in all material respects, the respective financial position of the governmental activities, business-type activities, each major fund, and the aggregate remaining fund information of the City, as of June 30, 2023, and the respective changes in financial position and, where applicable, cash flows thereof for the year then ended in accordance with accounting principles generally accepted in the United States of America.

Basis for Opinions

We conducted our audits in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Our responsibilities under those standards are further described in the Auditors' Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of the City, and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audits. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

Emphasis of Matter

Implementation of New GASB Pronouncements

As discussed in Note 1J and 1V to the basic financial statements, the City implemented Governmental Accounting Standards Board ("GASB") Statement No. 96, *Subscription Based Information Technology Arrangements* during the year. Our opinion is not modified with respect to this matter.

Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the City's ability to continue as a going concern for twelve months beyond the financial statement date, including any currently known information that may raise substantial doubt shortly thereafter.

Auditors' Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinions. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with auditing standards generally accepted in the United States of America and *Government Auditing Standards* will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with auditing standards generally accepted in the United States of America and *Government Auditing Standards*, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the City's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the City's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the Management's Discussion and Analysis, Budgetary Comparison Schedules, Schedule of Changes in Net Pension Liability and Related Ratios, Schedules of Contributions – Pension Plans, and Schedule of Changes in Total OPEB Liability and Related Ratios, as listed in the accompanying table of contents, be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context.

We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Supplementary Information

Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the City's basic financial statements. The Combining and Individual Fund Financial Statements and Budgetary Comparison Schedules are presented for purposes of additional analysis and are not a required part of the basic financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the basic financial statements. The information has been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the Combining and Individual Fund Financial Statements and Budgetary Comparison Schedules are fairly stated, in all material respects, in relation to the basic financial statements as a whole.

Other Information

Management is responsible for the other information included in the annual report. The other information comprises the Introductory and Statistical Sections but does not include the basic financial statements and our auditors' report thereon. Our opinions on the basic financial statements do not cover the other information, and we do not express an opinion or any form of assurance thereon.

In connection with our audit of the basic financial statements, our responsibility is to read the other information and consider whether a material inconsistency exists between the other information and the basic financial statements, or the other information otherwise appears to be materially misstated. If, based on the work performed, we conclude that an uncorrected material misstatement of the other information exists, we are required to describe it in our report.

Other Reporting Required by *Government Auditing Standards*

In accordance with *Government Auditing Standards*, we have also issued our report dated December 20, 2023, on our consideration of City's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the effectiveness of City's internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering City's internal control over financial reporting and compliance.

The Pun Group, LLP

Santa Ana, California
December 20, 2023

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The information contained in the Management's Discussion and Analysis (MD&A) introduces the basic financial statements and provides an analytical overview of the City of Redlands financial activities and performance for the fiscal year ended June 30, 2023. Please read the MD&A in conjunction with the transmittal letter and financial statements identified in the accompanying table of contents.

Using the Accompanying Financial Statements

This annual ACFR consists of a series of financial statements. The Statement of Net Position and the Statement of Activities provide information about the activities of the City as a whole and present a longer-term view of the City's finances. Also included in the accompanying report are fund financial statements. For governmental activities, the fund financial statements tell how these services were financed in the short term as well as what remains for future spending. Fund financial statements also report the City's operations in more detail than the government-wide statements by providing information about the City's most significant funds. The remaining statements provide financial information about activities for which the City acts solely as a trustee or agent for the benefit of those outside of the government.

OVERVIEW OF THE FINANCIAL STATEMENTS

The annual report consists of four parts – *management's discussion and analysis* (this section), the *basic financial statements*, *required supplementary information*, and an optional section that presents *combining statements* for non-major governmental funds and internal service funds. The basic financial statements include two kinds of statements that present different views of the City:

- The first two statements are *government-wide financial statements* that provide both *long-term* and *short-term* information about the City's overall financial status.
- The remaining statements are *fund financial statements* that focus on *individual parts* of the City government, reporting the City's operations in *more detail* than the government-wide statements.

    - The *governmental funds* statements tell how *general government* services like public safety were financed in the *short-term* as well as what remains for future spending.
    - *Proprietary fund* statements offer *short-* and *long-term* financial information about the activities the government operates like businesses, such as the water system.
    - *Fiduciary fund* statements provide information about fiduciary relationships – like the custodial funds of the City – in which the City acts solely as *agent* or *trustee* for the benefit of others, to whom the resources in question belong.

The financial statements also include *notes* that explain some of the information in the financial statements and provide more detailed data. The statements are followed by a section of *required supplementary information* that provides additional financial and budgetary information.

Figure A-1 summarizes the major features of the City's financial statements, including the portion of the City government they cover and the types of information they contain. The remainder of this overview section of management's discussion and analysis explains the structure and contents of each of the statements.

Figure A-1

Major Features of the City's Government-wide and Fund Financial Statements

		Fund Statements		
	Government-wide Statements	Governmental Funds	Proprietary Funds	Fiduciary Funds
Scope	Entire City government (except fiduciary funds) and the City's component units	The activities of the City that are not proprietary or fiduciary	Activities the City operates similar to private businesses	Instances in which the City is the trustee or agent for someone else's resources
Required financial statements	• Statement of net position • Statement of activities	• Balance sheet • Statement of revenues, expenditures and changes in fund balances	• Statement of net position • Statement of revenues, expenses and changes in net position • Statement of cash flows	• Statement of fiduciary net position • Statement of changes in fiduciary net position
Accounting basis and measurement focus	Accrual accounting and economic resources focus	Modified accrual accounting and current financial resources focus	Accrual accounting and economic resources focus	Accrual accounting and economic resources focus
Type of asset, deferred outflow of resources, deferred inflow of resources, and liability information	All assets and liabilities, both financial and capital, and short-term and long-term	Only assets and deferred outflows of resources expected to be used up and liabilities and deferred inflows of resources that come due during the year or soon thereafter; no capital assets or long-term debt included	All assets and liabilities, both financial and capital, and short-term and long-term	All assets and liabilities, both short-term and long-term
Type of financial inflow and outflow information	All revenues and expenses during the year, regardless of when cash is received or paid	Revenues for which cash is received during or soon after the end of the year; expenditures when goods or services have been received and payment is due during the year or soon thereafter	All revenues and expenses during the year, regardless of when cash is received or paid	All revenues and expenses during the year, regardless of when cash is received or paid

Reporting the City as a Whole

The accompanying **government-wide financial statements** include two statements that present financial data for the City as a whole. One of the most important questions asked about the City's finances is, "Is the City, as a whole, better off or worse off as a result of the year's activities?" The Statement of Net Position and the Statement of Activities report information about the City as a whole and about its activities in a way that helps answer this question. These statements include *all* assets and liabilities using the *accrual basis of accounting*, which is similar to the accounting used by most private-sector companies. All of the current year's revenues and expenses are taken into account regardless of when cash is received or paid.

These two statements report the City's net position and its changes. You can think of the City's net position – the difference between assets, deferred outflows of resources, deferred inflows of resources and liabilities – as one way to measure the City's financial health, or *financial position*. Over time, *increases and decreases* in the City's net position may be one indicator of whether its *financial health* is improving or deteriorating. You will need to consider other nonfinancial factors, however, such as changes in the City's property tax base and the condition of the City's roads, to assess the *overall health* of the City.

In the Statement of Net Position and the Statement of Activities, City services are divided into two kinds of activities:

- Governmental activities – Most of the City's basic services are reported here. Sales taxes, property taxes, state subventions, and other revenues finance most of these activities.
- Business-type activities – The City charges a fee to customers to help it cover all or most of the cost of the services accounted for in these funds.

Reporting the City's Most Significant Funds

The **fund financial statements** provide detailed information about the City's most significant funds – not the City as a whole. Some funds are required to be established by State law or by bond covenants. However, City Council establishes many other funds to help it control and manage money for particular purposes or to show that it is meeting administrative responsibilities for using certain taxes, grants or other money. The City's two kinds of funds – *governmental* and *proprietary* – use different accounting approaches.

- *Governmental funds* – Most of the City's basic services are reported in governmental funds, which focus on how money flows into and out of those funds and the balances left at year end that are available for spending. These funds are reported using an accounting method called *modified accrual* accounting, which measures cash and all other *current financial* assets that can readily be converted to cash. The governmental fund statements provide a detailed *current-term view* of the City's general government operations and the basic services it provides. Governmental fund information helps you determine whether there are more or fewer financial resources that can be spent in the near future to finance the City's programs. We describe the relationship or differences between *governmental activities* (reported in the Statement of Net Position and the Statement of Activities) and *governmental funds* in a reconciliation on the page following the fund financial statements.

- *Proprietary funds* – When the City charges customers for the services it provides – whether to outside customers or to other units of the City – these services are generally reported in proprietary funds. Proprietary funds are reported in the same way that all activities are reported in the Statement of Net Position and the Statement of Activities. In fact, the City's enterprise funds (a component of proprietary funds) *are part of* the business-type activities we report in the government-wide statements but provide more detail and additional information for proprietary funds, such as statement of cash flows. The City's internal service funds (the other component of proprietary funds) reports activities that provide supplies and services internally to other City departments and programs.

Reporting the City's Fiduciary Responsibilities

The City is an agent for certain assets held for, and under the control of, other organizations and individuals. All of the City's fiduciary activities are reported in a separate Statement of Fiduciary Net Position. We exclude these activities from the City's other financial statements because the City cannot use these assets to finance its operations. The City is responsible for ensuring that the assets reported in these funds are used for their intended purposes.

Statement of Net Position

*The following is a **condensed Statement of Net Position** for the fiscal years ended June 30, 2023 and June 30, 2022, which allows for analysis of the City's net position as a whole.*

Table 1

	Governmental Activities		Business-Type Activities		Total Primary Government	
	2023	2022	2023	2022	2023	2022
Current and other Assets	$ 171,147,279	$ 151,671,652	$ 118,298,267	$ 121,034,762	$ 289,445,546	$ 272,706,414
Capital Assets	595,664,117	543,297,925	205,597,161	201,718,510	801,261,278	745,016,435
Total Assets	**766,811,396**	**694,969,577**	**323,895,428**	**322,753,272**	**1,090,706,824**	**1,017,722,849**
Deferred Outflows of Resources						
Pension & OPEB	**91,969,372**	**69,833,304**	**20,066,931**	**17,234,776**	**112,036,303**	**87,068,080**
Long-Term Liabilities Outstanding	268,208,274	254,476,498	94,801,822	98,184,008	363,010,096	352,660,506
Other Liabilities	20,507,492	21,948,107	8,489,325	10,210,571	28,996,817	32,158,678
Total Liabilities	**288,715,766**	**276,424,605**	**103,291,147**	**108,394,579**	**392,006,913**	**384,819,184**
Deferred Inflows of Resources						
Leases & Pension & OPEB	**54,513,053**	**53,766,395**	**15,230,825**	**10,728,333**	**69,743,878**	**64,494,728**
Net Position						
Net Investments in Capital Assets	590,288,015	537,558,597	190,475,232	183,665,229	780,763,247	721,223,826
Restricted	13,385,123	11,326,983	16,677,323	16,677,323	30,062,446	28,004,306
Unrestricted	(88,121,189)	(114,273,699)	18,287,832	20,522,584	(69,833,357)	(93,751,115)
Total Net Position	**$ 515,551,949**	**$ 434,611,881**	**$ 225,440,387**	**$ 220,865,136**	**$ 740,992,336**	**$ 655,477,017**

Net position over time may serve as a useful indicator of a government's financial position, however it may change dramatically year-to-year as a result of changes in accounting practices and assumptions. Table 1 shows that the net position of government-wide activities increased by approximately $85.5 million or 13%, from $655,477,017 in 2022 to $740,992,336 in 2023.

Governmental activities net position increased significantly by 18.6%, from $434,611,881 at June 30, 2022 to $515,551,949 at June 30, 2023. Consistent with its prior year increase, the City's net position for business-type activities increased by 2.1% from $220,865,136 in 2022 to $225,440,387 in 2023. For governmental activities, the increase of roughly $81 million in net position is mostly attributable to a significant increase total assets of $71.8 million, offset by a corresponding increase in total liabilities of only $12.3 million, contributing a gain in net position of $59.5 million. That positive impact on net position was decreased by changes in lease-related, pension & OPEB deferred inflows of roughly $750,000, and an increase in pension & OPEB deferred outflows of $22.1 million, for a net positive effect of $21.4 million. For the business type activities, the growth in total net position of 2.1% (or $4.57 million) is attributable to an increase in total assets combined with a decrease in total liabilities for a positive impact of $6.2 million, as well as an increase in pension & OPEB deferred outflows of $2.8 million, offset with a decrease in lease-related, pension & OPEB deferred inflows of $4.5 million. Further detail on prior year comparisons is provided below.

The City implemented GASB Statement No. 96 effective July 1, 2023. GASB 96 requires the City recognize a right-to-use subscription asset—an intangible asset—and a corresponding subscription liability as it relates to subscription-based information technology arrangements (SBITA's) that it has entered into. The following categories were added to the financial statements: subscription assets and subscription liability. Additional discussion of these changes can be found in Note 1 - J and 7 of the financial statements.

Statement of Net Position - Total Primary Government

- Again, this year, the largest portion of total assets consists of capital assets (e.g., land, infrastructure and equipment), totaling $801 million or 73.5% of total assets. These are detailed in Note 6 of the financial statements.
- Net investment in capital assets of approximately $781 million represents the City's investment in infrastructure and other capital assets, less accumulated depreciation and outstanding balances on borrowings used to construct or acquire those assets.
- Cash and investments comprised $255.6 million in the City treasury and $2.3 million of cash and investments held with fiscal agents. These assets are detailed in Note 2 of the financial statements.
- Deferred outflow of resources related to pension and OPEB increased notably by $25 million, roughly 28.7%. The change in deferred outflow of resources related to pensions was due mainly to pension contributions made after the measurement date, total actual earnings were less than total projected earnings, and changes in assumptions. Deferred outflows related to OPEB were due mainly to changes in assumptions.
- Receivables, totaling $21.7 million, consist of accounts, taxes and leases receivable. While most receivables consist of taxes and accounts payable, it is noted here that leases receivable recognizes agreements with third parties for the right-to-use of City property that is leased for special purposes. More information on leases receivable is found in Note 3 to the financial statements.
- Noncurrent long-term liabilities totaled $346 million, approximately, and represent the City's obligations on debt, pensions, and other post-employment benefits. More information is presented in Notes 7 and 9-13 of the financial statements.
- Other liabilities decreased by 9.8%, from $32.2 to $29 million. Aside from fluctuations in several other accounts in this category, the main cause of this decrease is related to the recognition of revenue under the American Rescue Plan Act funding received towards the end of the prior fiscal year and earned this current fiscal year. There was also the liquidation of an accounts payable invoice for the I-10 / Alabama Interchange Improvement Project.
- Lease related deferred inflows of resources decreased by $1.7 million for spaces and land leased out by the City. As well, deferred inflows related to pension & OPEB increased by a net amount $5.2 million, roughly 8.1%, but had significant fluctuations individually. These fluctuations are based on actuarial assumptions that are made during the measurement of each corresponding deferred inflow. More will be discussed regarding these categories below.
- Overall investment in capital assets, net of related debt, increased by $59.5 million, or 8.3%. This steady increase over the prior year is reflective of additions to right-of-way assets, higher amounts of construction in progress, and additions to infrastructure assets, land and machinery, equipment & vehicles.
- Restricted net position, totaling $30.1 million, represents resources that are subject to restrictions on how they may be used. Some funds are restricted for the purposes of funding specific capital projects, funding specific debt service obligations, to hold in trust as an endowment, or for other specific uses.
- The unrestricted net position amount of -$69.8 million represents an unrestricted net position deficit, mainly resulting from the recognition of the net pension liability in fiscal year 2015, in accordance with GASB 68, and the recognition of total OPEB liability in fiscal year 2018, in accordance with GASB 75. As well, beginning in FY 2022, the City also recognized the deferred inflows related to leases in accordance with GASB 87. Additional details can be found in Note 11 as it pertains to net pension liability, in Note 12 for the Total OPEB liability and in Note 3 for Leases.

Governmental Activities

- Receivables, totaling $12.8 million, consists mainly of taxes receivable at $10.7 million, $1 million in accounts receivable, and $1.1 in leases receivable. Recognition of leases payable, in accordance with GASB 87 reflects the City's portion of property leased to others for their right-of-use of a particular underlying asset.
- The net position of governmental activities increased significantly by 18.6% (or $81 million), attributable to a variety of factors. Cash and other assets increased by $19.5 million, capital assets increased by $52.4 million. As well, deferred outflows related to pension & OPEB increased by roughly $22.1 million. These increases were offset by an increase in total liabilities of $12.3 million and increases in deferred inflows related to leases, pension & OPEB of roughly $750,000.
- Deferred outflow of resources related to pension and OPEB increased by $22.1 million, roughly 32%. OPEB deferred outflows decreased by approximately $6.1 million and this is attributed mainly to changes in assumptions used to calculate the City's Total OPEB liability. Pension deferred outflows increased significantly by $28.3 million, or 112%. This change is attributable to differences between projected earnings on pension plan investments in excess of actual earnings and changes in assumptions. There are more details available in Notes 11 & 12 of the financial statements.
- This year, there was a net increase of 4.4%, or $12.3 million in total liabilities. This increase relates mostly to changes in total OPEB liability and net pension liability, as the two saw dramatic swings in their values. Total OPEB liability decreased by $43.2 million and net pension liability increased by $58 million.
    - Changes in OPEB liability are attributed to changes in assumptions, predominately. While the changes in net pension liability are due mainly to the difference between actual versus projected performance of investment income. There are more details available in Notes 11 & 12 of the financial statements.
- Deferred inflow of resources related to pension decreased by $40 million, after a prior year increase of $43.4 million. This change is based on the annual actuarial analysis performed by CalPERS and consists of changes in assumptions and differences between estimated and actual experience, among other factors. OPEB deferred inflows increased over the prior year by $42.1 million, or 1,799%. This change is mainly due to changes in assumptions related to the discount rate and inflation. There are more details available in Notes 11 & 12 of the financial statements.

Business-Type Activities

- The net position of business-type activities increased by 2.1%, or $4.57 million. This change is attributed to an increase in total assets of $1.1 million; an increase in deferred outflows from pension and OPEB of $2.8 million; and a decrease in total liabilities of $5.1 million, offset by an increase in deferred inflows from leases, pension and OPEB of $4.5 million for a net increase of $4.57 million overall.
- Receivables, totaling $8.9 million, represent a decrease of approximately $2.5 million from the prior year. The majority of accounts receivable relate to the Water, Wastewater and Solid Waste unbilled customer accounts ($2.5 million).
- Total capital assets of $205.6 million represent 26% of total capital assets citywide.
- Deferred outflow of resources related to pension and OPEB increased by $2.8 million, roughly 16%.
    - OPEB deferred outflows decreased by approximately $1.7 million, or 12%. This is a result of changes in assumptions and differences between actual and expected experience.
    - Pension deferred outflows increased notably by $4.5 million, or 146%. This too is a result of a variety of factors including: the City's pension contributions made subsequent to the measurement date of the actuarial report, changes in assumptions, difference between projected and actual earnings on pension plan investments and difference between actual and expected experience.
- This year, there was a net decrease of $3.4 million in long-term liabilities outstanding.
    - In terms of long-term debt – there was a net decrease of $3.1 million.
        - This is representative of repayment of bonds, notes, and leases payable within Water, Solid Waste (Disposal) and Wastewater (Sewer) funds of roughly $3.5 million, which offset the addition of a new capital leases payable for Water Production and Distribution as well as for Wastewater for $473,000.
    - Within long-term liabilities outstanding is a newly recognized category of subscription liability. While it was reduced to a zero balance, that repayment is reflected in the above calculation and factors into the difference between this fiscal year and the previous fiscal year.
    - In terms of other long-term liabilities, there were significant and offsetting changes in net pension liability and total OPEB liability. There was a decrease of $11.78 million in total OPEB liability, due mainly to changes in assumptions. There was an increase in net pension liability of $10.39 million. This is due to the changes in assumptions and valuation data provided to the City by CalPERS, mainly differences between estimated and actual experience, contributions after the date of the valuation, and actual earnings compared to projected earnings.
    - Landfill closure liability also increased by $876,000.
    - There was also an increase in long-term debt due in more than one year of roughly $216,000.
- Deferred inflow of resources related to leases, pension and OPEB increased by $4.5 million, roughly 42%.
    - Deferred inflows related to leases decreased by $270,000 as existing leases of land owned by the Water, Aviation and Cemetery Funds were paid by the current lessees.
    - Pension deferred inflows decreased by $6.7 million, this is based on the annual actuarial analysis performed by CalPERS and consists of changes in assumptions and differences between estimated and actual experience, among other factors.
    - These decreases were totally offset by an increase in deferred inflows related to OPEB of $11.5 million. This change is based on the actuarial valuation performed with a measurement date of June 30, 2023 and consists of changes in assumptions and differences between estimated and actual experience.

*The **Statement of Activities** reports increases and decreases in the net position. The following is a condensed Statement of Activities for the fiscal years ending June 30, 2023 and June 30, 2022:*

Table 2

	Governmental Activities		Business-Type Activities		Total Primary Government	
	2023	2022	2023	2022	2023	2022
Program Revenues						
Charges for services:	$ 17,451,819	$ 17,335,323	$ 63,283,866	$ 65,976,505	$ 80,735,685	$ 83,311,828
Operating grants and contributions	5,158,328	4,223,681	385,895	631,695	5,544,223	4,855,376
Capital grants and contributions	53,471,990	28,433,466	4,010,635	6,134,627	57,482,625	34,568,093
General Revenues						
Property taxes	40,372,312	37,769,495	96,621	73,337	40,468,933	37,842,832
Sales taxes	48,632,853	48,232,171	-	-	48,632,853	48,232,171
Franchise taxes	4,487,821	2,625,852	-	-	4,487,821	2,625,852
Other taxes	3,109,696	2,706,919	-	-	3,109,696	2,706,919
Investment income (loss)	2,757,278	(1,546,892)	1,123,030	(2,929,740)	3,880,308	(4,476,632)
Gain/(loss) on sale of capital assets	-	-	-	44,643,370	-	44,643,370
Intergovernmental (unrestricted)	572,685	1,308,520	-	-	572,685	1,308,520
Other	4,734,390	1,689,391	1,107,435	1,208,057	5,841,825	2,897,448
Total Revenues	**180,749,172**	**142,777,926**	**70,007,482**	**115,737,851**	**250,756,654**	**258,515,777**
Program Expenses						
General government	28,913,048	26,157,408	-	-	28,913,048	26,157,408
Public safety	48,272,159	61,325,651	-	-	48,272,159	61,325,651
Culture and recreation	9,123,333	6,902,767	-	-	9,123,333	6,902,767
Highway and streets	12,081,745	9,754,750	-	-	12,081,745	9,754,750
Library	3,557,350	2,754,340	-	-	3,557,350	2,754,340
Interest on Long-Term Debt	792,780	738,561	-	-	792,780	738,561
Water	-	-	26,729,160	26,535,646	26,729,160	26,535,646
Disposal	-	-	17,755,193	15,454,382	17,755,193	15,454,382
Sewer	-	-	13,554,178	11,764,304	13,554,178	11,764,304
Groves	-	-	1,880,763	1,146,879	1,880,763	1,146,879
NP Water	-	-	563,123	956,768	563,123	956,768
Cemetery	-	-	1,441,652	958,443	1,441,652	958,443
Aviation	-	-	819,188	715,647	819,188	715,647
Total Expenses	**102,740,415**	**107,633,477**	**62,743,257**	**57,532,069**	**165,483,672**	**165,165,546**
Change in Net Position Before Transfers	**78,008,757**	**35,144,449**	**7,264,225**	**58,205,782**	**85,272,982**	**93,350,231**
Transfers	2,742,192	48,127,470	(2,742,192)	(48,127,470)	-	-
Increase (Decrease) in Net Position	**80,750,949**	**83,271,919**	**4,522,033**	**10,078,312**	**85,272,982**	**93,350,231**
Beginning Net Position	434,611,881	351,339,962	220,865,136	210,786,824	655,477,017	562,126,786
Restatement of Net Position	189,119	-	53,218	-	242,337	-
Beginning Net Position, as Restated	434,801,000	351,339,962	220,918,354	210,786,824	655,719,354	562,126,786
Ending Net Position	**$ 515,551,949**	**$ 434,611,881**	**$ 225,440,387**	**$ 220,865,136**	**$ 740,992,336**	**$ 655,477,017**

Total Primary Government –

- Total Primary Government revenues for fiscal year 2022-23 decreased slightly by 3%, or roughly 7.8 million. This small decrease belies some significant changes from the previous year. First, in Business-Type Activities, there is a large decrease in revenue due mainly to a one-time large land sale in the prior fiscal year of roughly $44 million. In Governmental Activities, there is a dramatic increase in capital grants and contributions as well as property tax that offsets this large year-over-year variance.
- Property tax grew by 7%, or $2.6 million. This growth in revenue is attributed to higher taxable values driven by property transfers of ownership, the annual adjustment for inflation (CPI), and new construction within the City from prior years being enrolled by the County's Recorder.
- Total expenses for the City stayed roughly level in fiscal year 2022-23 with a difference of only $318,000 over the prior year (or 0.2%). This small difference is a net result of higher expenses in Business-Type Activities and lower expenses in Governmental Activities. More detail on these fluctuations is presented below.
- Transfers between governmental activities and business-type activities decreased by roughly $45.4 million. This was due to a large prior-year one-time transfer of land sale proceeds between the Solid Waste (Disposal) & Wastewater (Sewer) Funds to the General Fund to transfer net profits on a property sale after both funds were made whole with their original capital outlay for the property plus CPI adjustments to preserve the purchasing power within both funds. Such a transaction is a one-time event.

Governmental Activities

- Total Governmental Activity revenues for fiscal year 2022-23 increased by roughly 26.6%. This growth in the prior year was mainly due to significant additions under capital grants and contributions, notably the 2022 Alley Paving Improvements, the 2022 Citywide Sidewalk & ADA replacement project, the 2022 Street Resurfacing Project and infrastructure asset additions from several private developments. Other significant variances are detailed below.
- Investment Income revenue saw a very significant increase of 278%, or $4.3 million, when compared to the prior year. Much of this is due to was due to a prior year decrease in the fair market value of the City's investment portfolio resulting from an overall increase in interest rates. In fiscal year 2022-23, the opposite is true and the City's investment portfolio value has increased in value due to a leveling-off of interest rate increases.
- Franchise taxes increased this year by almost 71%, or $1.8 million, due mainly to several anomalies that influenced the amount of revenue that the subject utility companies were required to pay the City. The anomalies included severe weather during the winter months and sharp spikes in unregulated natural gas prices. The City does not anticipate franchise fees returning to these levels in future fiscal years.
- Other General Revenues increased by just over $3 million, and $2.5 million of this is attributable to cost recovery received from the San Bernardino Regional Transportation Authority (SBCTA) for cost sharing related to Interstate-10 / Alabama Street improvements. The remaining $500,000 is mainly due to increased cost recovery by several General Fund functions, like planning, police and streets.
- Property taxes, as noted above, were boosted by sales in 2021, which was an extraordinary year for home prices and number of sales. That, coupled with new construction being added to the property tax rolls lead to a very strong increase in assessed values for the City.
- Total expenses for Governmental Activities decreased in fiscal year 2022-23 by $4.9 million (or 4.6%). The following categories saw the largest fluctuations over the prior year:
    - General Government expenses increased by roughly $2.8 million (or 10.5%). The increase was due to several factors, including higher expenses for pension & OPEB (net of each other) and higher operating expenses in Finance, Development Services and Facilities.
    - The Public Safety category saw a $13 million decrease over the prior year. This variance was the net effect of $1.5 million increase in Police Department operating costs and Fire Department operating costs - respectively, as well as a large reduction in expenses related to pensions (of $15 million over the prior year) and a reduction of $400,000 related to compensated absences among other, smaller variances.

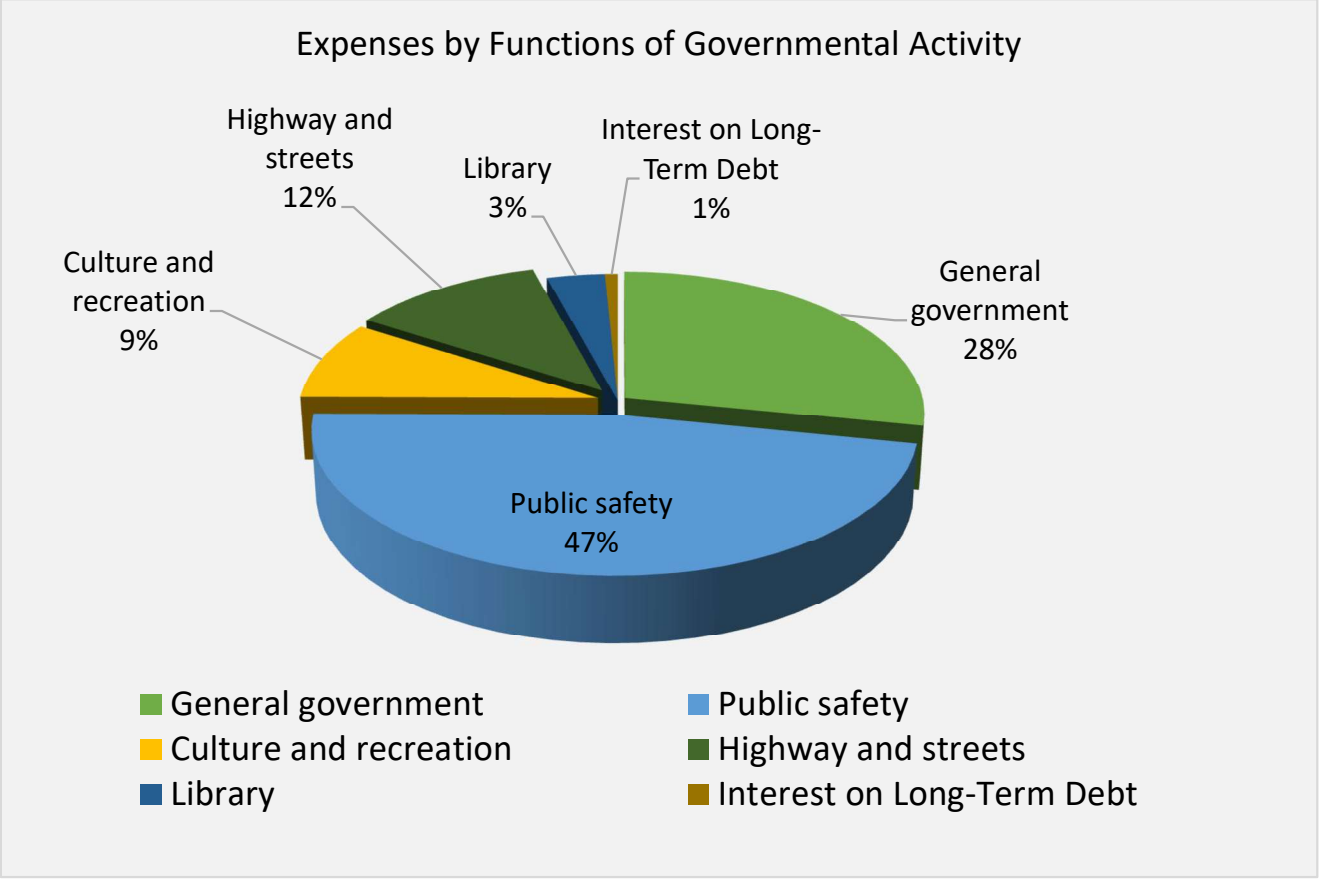
Governmental Activities (Continued)

- Culture and recreation increased by $2.2 million, or 31%, due to increases in OPEB & pension expenses (net of each other), higher staffing costs, higher spending on internal and special contractual services related to multiple park renovations, as well as the payment of a settlement for terminating an exclusive agreement for the use of the Sports Park with a local youth sports organization.
- Highways & streets also increased by $2.3 million which was due to a variety of factors, including higher depreciation over last year, increases in OPEB & pension expenses (net of each other), higher spending on special contractual, electrical and internal services and one-time capital projects.

Business-Type Activities

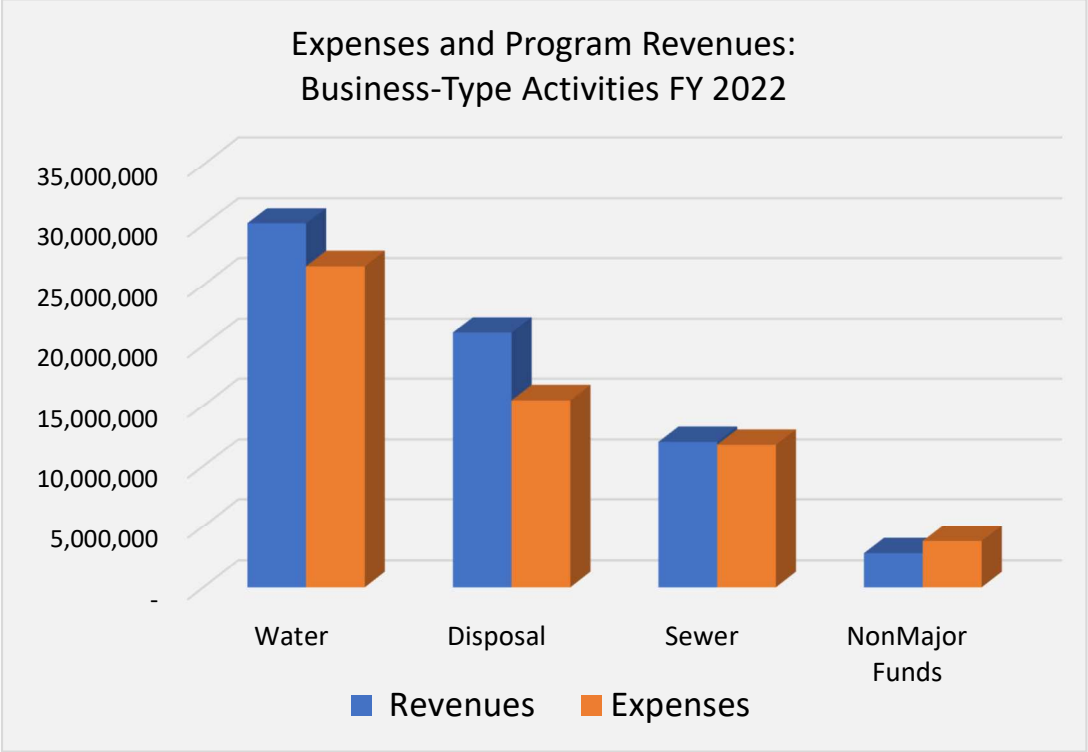
- Overall, ending net position for the business-type activities increased by $4.6 million, or 2.1%.
- Comparing fiscal year 2021-22 and fiscal year 2022-23, total revenues decreased by $45.7 million overall, or 39.5%. The decrease in revenues is almost exclusively due to the one-time sale of property and associated proceeds in the prior year.
  - The $2.7 million decrease in Charges for Service was due to several changes in revenues for enterprise funds. In the Water and Solid Wast Funds, charges for service decreased by roughly $3.7 million. This decrease was offset by higher revenue in the Grove Fund as well as Sewer Services.
  - Capital grants and contributions decreased by roughly $2.1 million, or 34.6% over the prior year. This was due mainly to several the prior year completion of several large capital projects, including Phase 1 of the Water System SCADA Design & Integration and Year 1 of the Citywide Water Meter Replacement project.
  - An increase in investment income of $4 million reflects the unrealized gain booked to reflect the difference between the book value of the City's investments and their market value.
  - The prior year sale of property caused an increase in the category of Gain on the sale of capital assets of $44.6 million. This was a one-time event, and, as a result, the revenue for this year in this category shows a decrease of $44.6 million.
- Expenses overall increased from fiscal year 2021-22 levels by $5.2 million, or 9.1%. The programs with the largest increase in expenses were the Solid Waste (Disposal), Wastewater (Sewer), Groves and Cemetery funds. Over the prior year:
  - In the Solid Waste (Disposal) Fund, expenses increased by $2.3 million or roughly 15%. This increase was mainly due to increases in general and administrative expenses, as well as increased costs for parts and supplies.
  - In the Wastewater (Sewer) Fund, expenses increased by $1.8 million, also roughly 15%. These increases were due to higher costs for salaries & benefits (mainly due to pension expense recognition), parts & supplies, the cost of utilities, as well as increased depreciation in the current year.
  - In the Groves Fund, expenses increased by $734,000, or 64%. This was due mostly to a sharp increase in general and administrative expenses related to grove care and maintenance as the operation grapples with the dual plagues of the Oriental Fruit Fly quarantine and the Huanglongbing Citrus quarantine, as well as increases in salary and benefits (mainly due to pension expense recognition).
  - While in the Nonpotable Water Fund, expenses decreased by $394,000, or 41%. The decrease was due to lower spending on general and administrative expenses as well as lower spending on parts and supplies.
  - Lastly in the Cemetery Fund, there was a notable increase of $483,000 in expenses, or roughly 50%. This increase was due mainly to an increase in salary and benefits (mainly due to pension expense recognition).

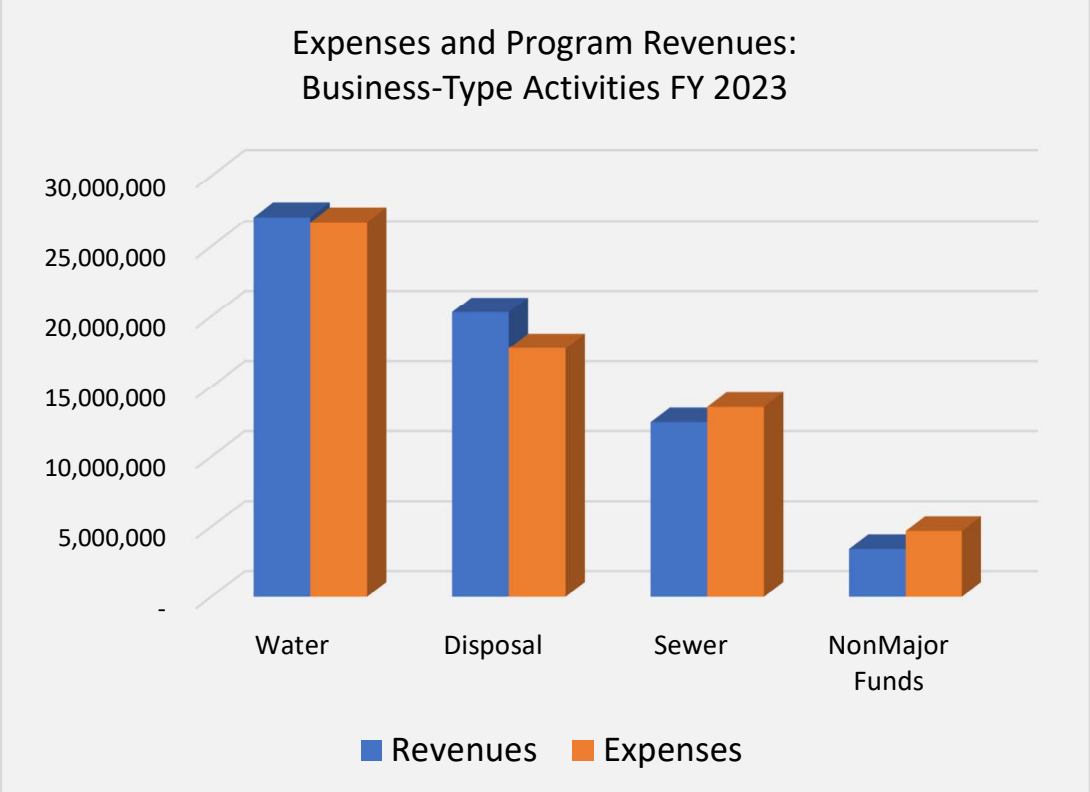
Expenses by Function of Governmental Activity



- Expenses overall for governmental activities totaled $102.7 million. This total represents the cumulative effective of increased pension costs, the recognition of OPEB, and deferred outflows and inflows related to both. Employee compensation is also reflected in this amount.
- Expenses for general government comprise 28% of total governmental activities, or $28.9 million. General government includes functions such as human resources, finance administration, engineering and City Council.
- Expenses for public safety represent 47% of total governmental activities in the amount of $48.3 million. The main operations within public safety are the Police and Fire Departments. These departments are service-centric. As such, personnel costs represent the majority of costs in these departments. The effects of salary increases, pension cost increases and the recognition of OPEB liability tend to have a larger impact proportionately for public safety activities.
- Expenses for highway and streets are 12% of all governmental activities, or $12.1 million. These expenses include spending on the City's Pavement Accelerated Rehabilitation Implementation Strategy (PARIS) program, operations, and maintenance as well as other capital repairs to road infrastructure.
- Culture and recreation, Library, and interest on long-term debt comprise 9%, 3%, and 1% of government activity respectively, or $9.1 million, $3.6 million, and $793,000.

Expenses and Program Revenues : Business Type Activities Fiscal Year Comparison

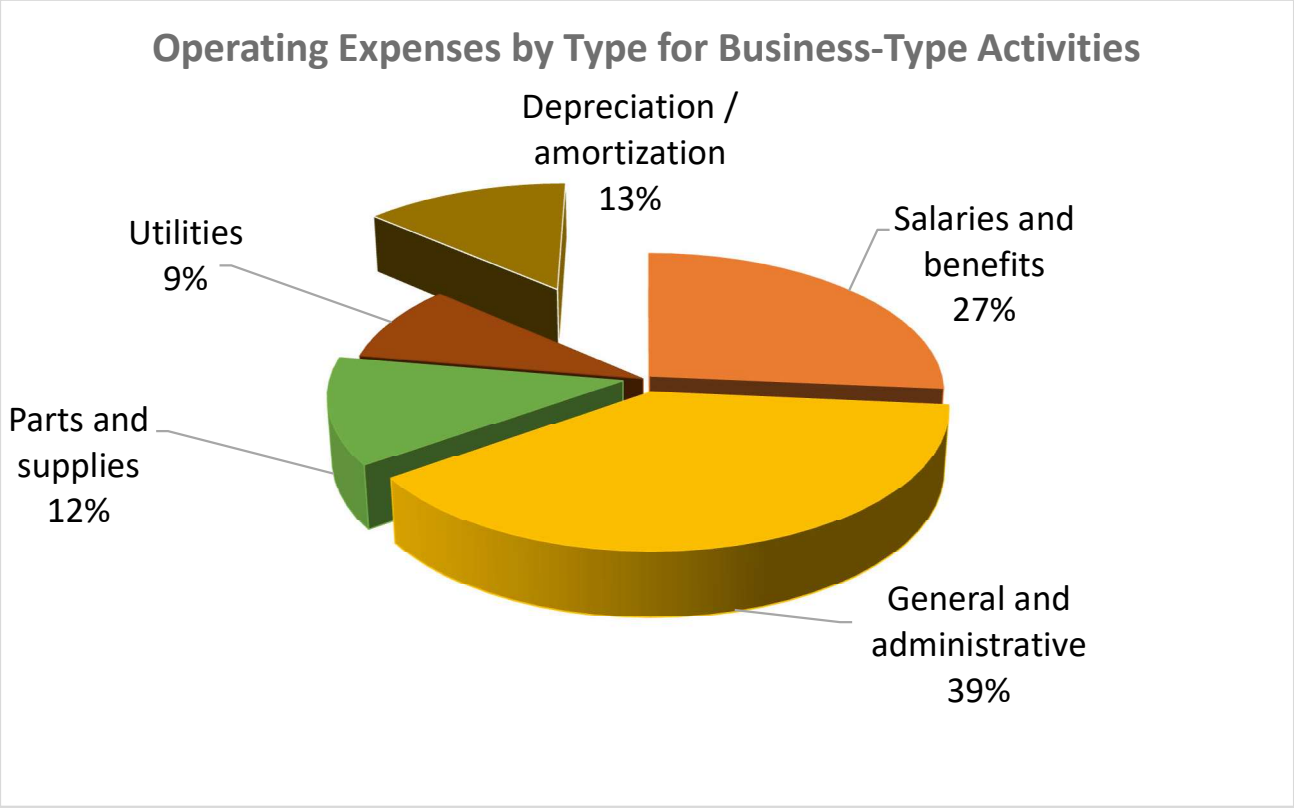




Major differences between revenues and expenses for business-type activities are show in the two charts above.

- Fiscal year 2022-23 saw a significant decrease in Water revenues of $3 million, or 10%, and a small increase in expenses of $193,000, or 0.7%. Seasonality and weather usually have the greatest impacts on water consumption and revenue. This is ties back to record rainfall that occurred in the winter of late 2022 and early 2023. Statewide totals put rainfall at 141% above normal levels, and Redlands was no exception. Overall, the Water Fund has several fluctuations in the categories of depreciation, parts & supplies, general and administrative and salaries & benefits. The net effect of these changes was an increase of $193,000, mainly due to the recognition of higher pension expenses in the fund.
- For Solid Waste (Disposal) operations, there was a decrease in revenues over fiscal year 2021-22 of $772,000, or 3.6% and an increase in expenses in the amount of $2.3 million, or 15%. Decreased revenues are the result the variation of billing cycles and the date the accruals are made for accounting purposes. In this case, accruals for the prior year were higher and the accrual for unbilled accounts receivable this year is lower by roughly $635,000. Higher expenses are a result higher City garage charges and other overhead/general services charges in the Fund as well as the purchase of additional solid waste collection containers.
- In the Wastewater (Sewer) Fund, revenues increased by $466,000, or 3.9%, and expenses increased by $1.8 million, or 15.2%. The increase in revenues a function of the variation of billing cycles which impacts the amount of revenues accrued and reversed during the accounting cycle. The increased expenses represents a higher pension expense over the previous year of almost $600,000 and higher costs overall for electrical service and chemical treatments, both of which comprise a large proportion of expenses in the Fund overall. These costs increases are attributable to inflation and higher costs for electricity.
- Lastly, for nonmajor business-type funds,
  - The Groves Fund experienced a significant increase in revenue by roughly $818,458 (or 95%). The market for citrus fruit is notably unpredictable and this can cause the marketability of the City's citrus to vary substantialy from one year to the next.
  - The Hillside Memorial Cemetery had a 13.4% decrease in revenues due to higher than average cemetery lot sales and internment services during the preceeding years.
  - The Aviation fund saw a small 1% decrease in rental income due to slighly higher ground lease payments offset by lower payments for gate card access to the airport.
  - The Non-Potable Water Fund experienced a decrease in revenues of 3.5%, or $22,500. The decrease in revenue is related to the number of residential and commercial development projects started in FY 2023. In this case, there were slighly less fees paid indicating the size and number of applications for development projects was slightly lower than the prior fiscal year.
  - Expenses increased in the Cemetery Fund by $483,000, or 50.4% due mainly the recognition of higher pension costs over the previous year.
  - Operating expenses in the Groves Fund increased by 64% (due to higher spending on professional services for farming as well as recognition of higher pension costs over the previous fiscal year).
  - Expenses decreased in Non-Potable Water by $394,000, or 41.1% due mainly to higher costs in the previous fiscal year associated with one-time projects related to new meters & fittings.
  - Lastly, expenses increased by $104,000, or 14.5% in the Aviation Fund due mainly the recognition of higher pension costs over the previous year.

Expenses by Type for Business-Type Activities



MAJOR FUNDS

As noted earlier, the City uses fund accounting to provide proper financial management of the City's resources and to demonstrate compliance with finance-related accounting standards and legal pronouncements.

Major Governmental Funds. The **General Fund** is the chief operating fund of the City. At the end of June 2023, the total fund balance reported for the General Fund was $110,957,841, an increase of $17,517,617 (18.7%) from the prior year ending fund balance of $93,440,224. This variance is due to several factors that will be detailed below.

As a measure of the General Fund's liquidity, it can be useful to compare the total fund balance to total fund expenditures. This measure indicates that the fund balance is approximately 120% of general fund expenditures, however, only $53,289,070 of the $111 million fund balance is unassigned. The unassigned fund balance of $53.3 million, together with the $9.7 million in fund balance committed to stabilization arrangement (contingencies), is the only portion of fund balance readily available for spending and represents 68% of general fund expenditures. Total general fund expenditures this year were $92.5 million, which is $2.9 million lower than the prior year amount of $95.4 million. Total general fund revenues were $116.3 million, or 8% higher than the prior year amount of $107.6 million.

Significant changes in revenues for the City's General Fund over the prior year are as follows:

- Property tax increased again by $2.5 million, or 7%. This significant increase is due to a few factors affecting the prior year's enrolled values. Since there is a lag between the time a property is assessed in value and the time when the taxes are collected from property owners, this year's revenue reflects assessed values in effect during calendar year 2021. In 2021, there was a large increase in the number of homes sold in addition to large increases in the sales price those properties were sold for. These factors lead to strong growth in the City's total assessed values, which grew by a factor of roughly 5.42% for the fiscal year. Different property use categories grew at different rates. Most of this growth (82%) is due to transfers of ownership, the CPI 2% growth factor (30%), and some new construction of both residential and non-residential properties (17%).

MAJOR FUNDS (Continued)

- Overall sales tax increased only slightly by $401,000, or 0.8%, representing an elastic source of revenue that, unlike property taxes, is more responsive to current economic conditions without the same lag time. This slight increase is a signal that sales tax revenue has stabilized after a period of strong growth and the notable addition of the City local add-on sales tax, known as Measure T sales tax, which has been in place for two complete fiscal years so far.
- Transient occupancy tax (TOT) increased by $255,000, or 12.4%. Over the past 2 years, the City has added several new hospitality accommodations for travelers: the Hilton Home2 Suites, a 77-room hotel located at 1342 Industrial Park Avenue; the Marriot Springhill Suites, an 88-room hotel located at 1765 West Lugonia Avenue; and the Woodsprings Suites Hotel located at 1700 Orange Tree Lane with 123 guest rooms. This has contributed to steady growth in the revenue category.
- Licenses and permits reflect an increase of $741,000 or 9.1%. This increase is due to an increased collection of business license revenue and street permits. The vast majority of business license revenue is based on the gross receipts of a business. Healthy growth in this category is an indication of a strong local economy.
- Intergovernmental revenues decreased by $778,000 or 63%, which is primarily the result of a very significant increase in Mutual Aid received during the prior fiscal year (FY 2022), as compared with the amount received prior in FY 2021. This year-to-year amount in this revenue category fluctuates according to wildfires and other extreme conditions where mutual aid assistance has been requested by other cities and fire departments and is then reimbursed after the fact.
- Charges for services decreased by $401,000, or 5.1% from prior year. While there are variations over and under in each revenue account, recovery of general government overhead had the largest decrease over the prior year.
- Earnings from the investment income were up significantly from FY 2022, by $2.9 million. This dramatic increase reflects the effects of GASB 31, which requires an unrealized loss to be recorded to adjust for market fluctuations. The investments held by the City were subject to these market fluctuations and while the City holds them to maturity, FY 2022 required the City to book a loss of close to $2.4 million. In this year, the value of the investments has rebounded, and the City is experiencing a moderate gain, which – again – is unrealized.
- For Rents and leases, revenue increased slightly by $27,900, or 1.6%. There were fewer park rental reservations and more recreation rentals, which offset the drop in park rentals.
- Miscellaneous revenue increased by $908,000, or 61.6%. This increase is attributed to a one-time donation from the Friends of Prospect Park ($363,000) for lighting upgrades to the park as well as increases in cost recovery in different City departments.
- Transfers in decreased significantly in FY 2023 over the prior year by approximately $43.5 million, a 95% decrease. This was due to a large one-time transfer that occurred in FY 2022 to record land sale proceeds from the Solid Waste (Disposal) and Wastewater (Sewer) funds, after each fund was made whole with the original purchase price plus an inflation factor representing the incremental increase in value of the original purchasing funds to 2022-dollar values. The remaining funds were transferred to the General Fund for the purposes of funding the acquisition of a new City Hall building (300 East State Street) and a new Public Safety (Police) facility (1625 West Redlands Boulevard). For FY 2023, transfers reflect the normal operating transfers that can be expected in most years.

The **Public Facilities Development** fund accounts for the collection and related expenditure of development impact fees designated for constructing new and upgrading existing public facilities. This fund holds Advances Payable to other funds totaling $7,706,632. The funds and amounts owed include the General Fund in the amount of $7,690,541 and the Water Fund in the amount of $16,091. This represents an increase from last year of roughly $17,331, caused by the fact that higher interest rates assessed on the payable were higher than the amount of fees collected and transferred to repay the loan. These interfund loans were made when impact fee revenues were insufficient to cover the 60% share the Public Facilities DIF portion of debt service on the 2003 Lease Revenue Refunding COPs, which matured in fiscal year 2017-18. Development Impact Fee (DIF) revenue collected in these categories is now being used to repay the non-General Fund loans first per a Council directive. As such, the interfund loans owed to the Open Space Fund (227), Park Development Fund (250), and Storm Drain Construction (405) Fund have been repaid in full, including interest and all outstanding principal.

The **Governmental Grants** was established to account for the receipt and expenditure of grant monies received from various agencies for general government projects and purposes. This fund tracks the City's allocation of Coronavirus State & Local Fiscal Recovery Funds issued through the American Rescue Plan Act in the amount of $11,508,106, the largest federal grant the City has received to date. It also tracks several other noteworthy grant projects, including the City's Community Block Development Grant program, engineering grants for transportation projects and equipment and facility grants for the Police and Fire departments.

Major Enterprise Funds. The **Water Fund** has a total net position of $149 million at the end of the fiscal year, $28.5 million of which is unrestricted. The **Solid Waste (Disposal) Fund** has a total net position deficit of ($1.5 million) at the end of the fiscal year, which marks a $702,000 improvement over the prior fiscal year; and its unrestricted net position is a deficit of ($3.4 million). The **Wastewater Fund** has a total net position of $56.5 million at the end of the fiscal year; $6.7 million of which is unrestricted. These funds account for the respective utility services provided by the City. Other factors concerning the finances of these funds have already been addressed in the discussion of the City's business-type activities.

GENERAL FUND BUDGET

Differences between the final budget and fiscal year 2022-23 activity in the General Fund can be briefly summarized as follows:

- Total Revenues - $8.8 million received in excess of budgeted amounts.
- General Government – spent $3.9 million less than the final amount appropriated in the budget (savings).
- Public Safety – spent $5.7 million less than the final amount appropriated in the budget (savings).
- Culture and Recreation – spent $168,600 less than the final amount appropriated in the budget (savings).
- Highways and Streets – spent $46,000 less than the final amount appropriated in the budget (savings).
- Library – there was a negative variance between the final budget amount and the amount expended of $211,400.
- Transfers - there was a negative variance between the final budget amount and the amount expended of $429,100.
- Capital Outlay – there was a savings of roughly $8.9 million between the final amount budgeted for capital outlay versus the actual amount expended.
- Debt Service – in this category, there was another large savings of roughly $4 million when comparing the final budget to the actual amount expended during this fiscal year.

Deviations in major categories between the final budget of the General Fund and its actual operating results were as follows. (Note: budget savings are listed as positive figures.)

	Final Budget	Actual Amounts	+ (-) Variance
REVENUES			
Taxes	$ 87,560,504	$ 94,742,275	$ 7,181,771
License and permits	7,815,609	8,862,824	1,047,215
Fines and forfeitures	135,000	241,830	106,830
Intergovernmental	731,500	453,475	(278,025)
Charges for services	7,060,722	7,420,190	359,468
Investment income (loss)	200,000	327,573	127,573
Rents and leases	2,037,396	1,821,671	(215,725)
Miscellaneous	1,953,499	2,391,443	437,944
Transfers in	2,636,093	2,307,193	(328,900)
Inception of lease liability	-	384,011	384,011
Total Revenues	110,130,323	118,952,485	8,822,162
EXPENDITURES*			
General Government	25,611,676	21,713,295	3,898,381
Public Safety	53,123,288	47,391,651	5,731,637
Culture & Recreation	7,329,069	7,160,435	168,634
Highways & Streets	5,336,383	5,290,295	46,088
Library	2,913,708	3,125,090	(211,382)
Transfers	8,508,458	8,937,560	(429,102)
Capital Outlay	14,528,131	5,650,480	8,877,651
Debt Service	5,256,079	1,247,000	4,009,079
Total Expenditures	$ 122,606,792	$ 100,515,806	$ 22,090,986
*Budget savings noted as positive figures			

There are some noteworthy variations between the final budget and the actual receipts recorded in Fiscal Year 2022-23 revenues. This year, property and sales tax comprised 75% of total General Fund revenues. This represents an 18% increase in the share of revenue from property and sales tax over the prior fiscal year. The strong performance in these two categories is related to the passage of Measure T, the City's 1-cent sales tax, and the strong performance of housing prices and home sales during calendar year 2021, which accounted for a large part of the growth in property tax. Budget estimates were under by roughly $4.3 million. Some of this can be attributed to better-than-expected growth in sales tax, as consumer demand and prices remained higher than forecast. In terms of property taxes, the local real estate market remained relatively strong compared to the broader economy, as a variety of market conditions led to large increases in the number of houses sold and the price for which they were selling. Median prices for detached single family homes in Redlands increased roughly 40% between 2019 and 2023.

Actual revenues were above the amended budget estimates by $8.8 million, or 8%. Revenues from franchise fees also exceeded budget projection by $1.8 million. This variance is attributable to the electrical and natural gas utilities serving the City. Severe weather fluctuations during the fiscal year as well as unregulated natural gas prices contributed to the higher franchise fee amounts.

All revenue categories had positive variances, except for the categories of Intergovernmental revenue, Rents and Leases, and Transfers in.

Licenses and permits performed better than expected, by roughly $1 million, or 13.4%, above forecasts. This was mainly due to increased receipts from business licenses and street permits.

Intergovernmental revenue was lower than expected by approximately $278,000, or 38%. This is due mainly to the timing of mutual aid reimbursement revenues, as the reimbursement process can lag by 60 to 90 days after the City's request for reimbursement of the related funds.

Charges for service were slightly higher by $360,000, or 5.1%. This revenue category covers numerous individual revenue objects. While many areas fluctuated between actual amount and the final budget amount, the largest variance was an increase in receipts from Building & Safety plan checks as well as landfill mitigation fees from the County of San Bernardino.

Rents and leases were roughly $215,700 lower than budgeted amounts. These revenues include lease revenue from a six-story office building located at 300 East State Street in downtown Redlands. The decrease in the revenue from this building reflects the expiration and early move-out dates opted for by then-current tenants as the City prepares the building for occupancy by its administrative staff.

Transfers in were lower than budgeted by 12.5%. This can be attributed to lower revenues from funds like the Gas Tax Fund and the Traffic Safety Fund. This is caused by less revenue being collected in these funds, as both of them are cleared to zero at the end of the accounting cycle, transferring all of their revenue into other funds, with most of it going to the General Fund.

Miscellaneous revenues were up by $438,000, or 22.4%. This was mainly due to an increase in miscellaneous receipts from the transfer of late fees from the Enterprise Funds to the General Fund.

Total General Fund expenditures ended the year under budget by 18%, or $22.1 million. The vast majority of the unspent funds will be carried forward to the subsequent fiscal year (2023-24) for expenditure.

General Government expenditures ended the year under budget by 15.2%, or $3.9 million. Part of this is attributed to savings in the areas of retiree health insurance premiums, savings on costs associated with electronic plan review software, savings on elections costs, lower expenditures on professional services as well as salary savings across most departments.

Public Safety expenditures were under budget by $5.7 million, or 10.8%. Much of this savings is due to salary and overtime savings in the Police and Fire departments, as well as unspent funds for vehicle leases, services, supplies, equipment, and building improvements.

Culture and Recreation was under budget by roughly $168,600, or 2.3%, this was attributable to salary savings in the Parks, Trees and Recreation & Senior Services divisions.

Highways and Streets expenditures were under budget by $46,088, or 0.9%. This small savings was mainly a result of salary savings in the Electrical and Streets Divisions.

Library expenditures were over budget by $211,400, or 7.3% at year-end. This amount represents higher costs for internal services like information technology.

Capital outlay expenditures were under budget by $8.9, or 61.1% at year-end. This large variance difference is due to the delay in completion and progress on of several large projects:

- Library boiler and elevator replacement
- Motor vehicle leases for the Police Department
- The redesign of Fire Station #262

- Various building maintenance projects related to roofing, capital project planning and building security
- Various park improvement projects Citywide
- Vehicles & equipment for the Streets Division
- Various improvement projects related to the Community Center, Joslyn Senior Center, Community Senior Center and gym facilities
- Engineering projects related to public parking lot, alley, sidewalk and ADA improvements

Actual debt service expenditures were significantly below budgeted levels, at a savings of 76.3%, or $4 million, under budget. This is due mainly to equipment & vehicle capital leases not being fulfilled by the manufacturer/suppliers by the end of the fiscal year. Most of these leases were for the Fire Department, where roughly $2.9 million was budgeted to pay off a finance purchase agreement for a Smeal Triple Combination Pumper (type 1 engine) and a Spartan LF Quint Tractor (aerial ladder). Other departments, including Police also experienced delays in acquiring vehicle leases budgeted for in FY 2023. As noted above, almost all of these appropriations are carried over into the following fiscal year.

A total overall favorable variance between actual revenues & expenditures of $30.8 million resulted from a combination of stronger revenue performance in property & sales tax combined with significant savings across departments. Savings on salaries & benefits, contractual services, and vehicle & equipment purchases, and unspent funds for large projects like $2 million for the redesign of Fire Station #262, $3.2 million on various park capital improvement projects, and $1.4 million on engineering projects, to name a few, resulted in the positive variance for the General Fund.

CAPITAL ASSETS AND DEBT ADMINISTRATION

Capital Assets

The City's capital assets for its governmental and business-type activities as of June 30, 2023, amounted to $801 million (net of accumulated depreciation). This investment in capital assets includes land, buildings and improvements, machinery and equipment, vehicles, infrastructure, water rights, rights of way and construction in progress. This year also includes the new category of Subscription Assets. The category reflects the value of the City's right, as a part of a subscription-based information technology arrangement, to use the information technology as an asset over the life of its corresponding arrangement, in accordance with GASB Statement No. 96.

Major capital asset events for Governmental Activities during FY 2022-23 include the following:

Significant additions netting $4.2 million were made to machinery, equipment, and vehicles in governmental activities. The majority of this increase reflects the lease purchase of 3 fire engines, 2 police department motorcycles for the traffic division, specialized equipment for streets & parks, as well as anti-vehicle barricades that were purchased to secure large public events held in the downtown area.

Net additions to infrastructure assets in general government activities totaled approximately $9.4. Roughly half of the additions to infrastructure assets were the result of the projects constructed by the City, including the 2021 Citywide Sidewalk and ADA Ramp replacement; the 2021 Alley Paving Improvement project; and the Pedestrian Crossing Countdown Head replacement project. Roughly $4.4 million was added during these projects to the total overall road system, which includes pavement, curbs & gutter, trails and landscaping. From the private developer side another $5 million was added to the total road system as a result of several privately constructed development projects including the 420,000 square foot Mountain View Avenue tilt up buildings and the development of 105 residential lots as a part of the KB Homes project on the northeast corner of Lugonia Avenue & Judson Street.

Construction in Progress values also increased significantly in general government by $4.2 million, or 60%. This is due to the start of several large capital improvement projects including the widening and other improvements to the Interstate-10 & Alabama Interchange, the Pavement Management Program 2022 Street Resurfacing Project, the Joslyn Senior Center Renovation, and the Redlands Bowl renovation that includes lighting, speakers, cabling and electrical upgrades.

Right of Way assets increased by 14%, or $41.8 million. This was due to several public and private development projects noted above under net additions to infrastructure assets, including the 2021 Alley Paving Improvement project, and the construction of the Orange Blossom Trail – Phase III on the public side. On the private side, projects include the 420,000 square foot Mountain View Avenue tilt up buildings and the development of 105 residential lots as a part of the KB Homes project on the northeast corner of Lugonia Avenue & Judson Street.

Lastly, Accumulated Depreciation increased by $9.1 million, or 6.2%. The City's measurement of accumulated depreciation is based on estimated useful lives by infrastructure asset type. Estimated useful lives were initially established using engineering standards, as well as discussions with City staff regarding the City's maintenance program for each asset type. The largest increases were in the categories of road system assets and building & improvements.

For business type activities, land capital assets increased by roughly $1.4 million representing purchase of unimproved property to place a temporary water storage reservoir to allow the demolition and replacement of the existing Sunset Water Reservoir and to mitigate the impact of future drought conditions by expanding water storage capacity.

Buildings & Improvements also increased by $9.1 million. Most of this increase reflects the completion of the Phase 1B Wastewater Treatment Plant Modifications that pertained to the installation of fine screens and associated ancillaries, ejector priming system upgrade, digester boilers upgrade, installation of heated exchangers, and construction of gas conditioning system.

Infrastructure assets increased by roughly $6.2 million. These increases are attributed to the reclassification of construction in progress from the completion of the 2021 Water Pipeline Replacement Project that replaced roughly 3.9 miles of water pipeline, as well as private development projects noted above (the 420,000 square foot Mountain View Avenue tilt up buildings and the development of 105 residential lots as a part of the KB Homes project on the northeast corner of Lugonia Avenue & Judson Street).

Construction in progress decreased by $5.8 million, or almost 41%, as the result of the net effect of the completion of several large capital improvement projects, like the 2021 Water Pipeline Replacement and the completion of the Wastewater Treatment Plant Modification Phases 1A and 1B, as well as the initiation of more capital projects like the 2022 Water Pipeline Replacement project, the Recycled Water Reservoir design, the Tate raw water influent pipeline project, and the Phase 2 design of the Wastewater Treatment Plant Modifications. The SCADA project is also ongoing from the prior year.

Accumulated depreciation increased by $6.6 million, with the largest increases in the categories of Infrastructure and Building & Improvements. Lease Assets increased by $474,000 and this reflects the net effect of the reduction by payments made in lease assets and the addition of new leased assets in the Solid Waste Division. Subscription Assets is a new addition to the categories of assets classes and is being recognized for the first time in fiscal year 2023 by GASB Statement No. 96. In this context, the Subscription Asset represents the right to use an information technology asset.

Overall, for primary government the City's net capital assets increased significantly by $56.2 million for the fiscal year ended June 30, 2023, or 7.5% over prior year. This is slightly lower than the previous year's increase of 9.8%.

Capital assets for the governmental and business type activities are presented below to illustrate changes from the prior year:

	Governmental Activities		Business-Type Activities		Total		Inc./ (Dec.)
	2023	2022	2023	2022	2023	2022	% of Change
Land	$ 40,956,320	$ 40,956,320	$ 28,069,057	$ 26,667,376	$ 69,025,377	$ 67,623,696	2.1%
Buildings & Improvements	61,847,805	60,553,082	122,661,207	113,470,547	184,509,012	174,023,629	6.0%
Machinery/Equip./Vehicles	26,468,907	22,262,850	24,096,435	25,081,193	50,565,342	47,344,043	6.8%
Infrastructure	272,359,117	262,936,330	205,766,544	199,550,139	478,125,661	462,486,469	3.4%
Water Rights	408,125	408,125	9,884,095	9,881,460	10,292,220	10,289,585	0.0%
Right of Way	337,105,665	295,304,762	-	-	337,105,665	295,304,762	14.2%
Construction in Progress	11,404,751	7,126,967	8,463,598	14,225,414	19,868,349	21,352,381	(7.0%)
Accumulated Depreciation	(156,079,017)	(146,972,512)	(193,915,709)	(187,275,173)	(349,994,726)	(334,247,685)	0.0%
Lease Assets	1,288,724	904,713	621,090	147,183	1,909,814	1,051,896	0.0%
Subscription Assets*	593,542	-	107,285	-	700,827	-	100.0%
Accumulated Amortization	(689,822)	(182,712)	(156,441)	(29,629)	(846,263)	(212,341)	298.5%
Total	**$ 595,664,117**	**$ 543,297,925**	**$ 205,597,161**	**$ 201,718,510**	**$ 801,261,278**	**$ 745,016,435**	7.5%

* Subscription Assets were first reported for fiscal year ending 2023, per GASB Statement No. 96.

Internal Service Fund capital assets, net of accumulated depreciation, are included in Governmental Activities.

Additional information on the City's Capital Assets can be found in Note 6 of the section titled *Notes to the Basic Financial Statements.*

Long-Term Liabilities

Major long-term liability events during FY 2022-23 include the following:

- The Lease Liability category increased by $512,000, or 60.7% as a result of the addition of 23 new leases for vehicles in Police Support Services, Building Maintenance, Streets, Water and Wastewater operations.
- A new category of Subscription Liability is recognized this year in accordance with GASB Statement No. 96, which requires that the City establish accounting methods for a right-to-use subscription assets representing its agreements for subscription-based information technology arrangements and a corresponding subscription liability for the same.
- A significant decrease in total OPEB liability was recognized of $55 million, or a reduction of 27%. This follows a significant increase in the prior year of $49.7 million (33% roughly). This is due mainly to differences between estimated and actual experience and changes in assumptions used to perform the actuarial valaution.
- The City's net pension liability increased by $68.3 million, or 79%. This dramatic increase follows a significant decrease recognized in the prior year ($50 million). This is due to the changes in assumptions and valuation data provided to the City by CalPERS, mainly differences between estimated and actual experience, contributions after the date of the valuation, and actual earnings compared to projected earnings.
- Taxable pension bonds and revenue bonds all experienced decreases as a result of annual debt service and no new additions were made to such debt.
- Notes payable decreased by roughly $2.2 million as a result of repayments and no new additions to debt in this category.
- Claims payable increased by approximately $759,000, or 5% due to minor variances in claims filed against the City, which can fluctuate significantly from year to year.
- Lastly, there was a small increase in compensated absences of roughly $208,000, or 2.4%. This was due to more leave hours being accrued by employees than were used during the same period of time.

Long-term liabilities for governmental and business type activities are presented below to illustrate changes from the prior year:

	Governmental Activities		Business-Type Activities		Total		Inc./ (Dec.)
	2023	2022	2023	2022	2023	2022	% of Change
Lease Liability	$ 832,107	$ 724,361	$ 523,389	$ 118,959	$ 1,355,496	$ 843,320	60.73%
Subscription Liability*	185,429	-	-	-	185,429	-	-
Taxable Pension Bonds	4,607,478	6,172,956	-	-	4,607,478	6,172,956	-25.36%
Revenue Bonds	-	-	1,660,000	3,240,000	1,660,000	3,240,000	-48.77%
Add: Unamortized Premium	-	-	-	168,353	-	168,353	-100.00%
Notes Payable	4,358,566	5,014,967	12,938,540	14,525,969	17,297,106	19,540,936	-11.48%
Claims Payable	15,525,893	14,767,131	-	-	15,525,893	14,767,131	5.14%
Compensated Absences	7,925,416	7,760,175	1,065,169	1,022,107	8,990,585	8,782,282	2.37%
Landfill Closure Liability	-	-	11,606,913	10,730,423	11,606,913	10,730,423	8.17%
Total OPEB Liability	102,959,850	146,160,286	44,000,415	55,755,636	146,960,265	201,915,922	-27.22%
Net Pension Liability	131,813,535	73,876,622	23,007,396	12,622,561	154,820,931	86,499,183	78.99%
Total	**$268,208,274**	**$254,476,498**	**$ 94,801,822**	**$ 98,184,008**	**$363,010,096**	**$352,660,506**	2.93%

*Subscription liability was first reported for fiscal year ending 2023, per GASB Statement No. 96.

Additional information on the City's long-term liabilities can be found in Note 7 and 9-13 of the Notes to the Basic Financial Statements.

REQUESTS FOR INFORMATION

This financial report is designed to provide a general overview of the City's finances. Questions concerning any of the information provided in this report or requests for additional financial information should be sent to the Management Services Department at ACFR@cityofredlands.org or to Management Services / Finance Director, 35 Cajon Street, Suite 222, Redlands, CA 92373.

This financial report is also available in electronic format on the City's website at http://cityofredlands.org/finance/annualreport. Additional information intended for the business community is available on the Economic Development web page also located on the City's website listed above at http://www.cityofredlands.org/ED.

BASIC FINANCIAL STATEMENTS

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GOVERNMENT-WIDE FINANCIAL STATEMENTS

City of Redlands
Statement of Net Position
June 30, 2023

	Primary Government		
	Governmental Activities	Business-Type Activities	Total
ASSETS			
Current assets:			
Cash and investments	$ 150,768,235	$ 104,839,989	$ 255,608,224
Accounts receivable, net	1,008,391	8,655,463	9,663,854
Taxes receivable	10,668,385	622	10,669,007
Lease receivable - due within one year	1,107,155	229,628	1,336,783
Due from other governments	2,316,399	65,802	2,382,201
Due from Fiduciary Funds	369,064	-	369,064
Prepaid items	1,236,092	-	1,236,092
Inventories	94,254	-	94,254
Internal balances	(16,091)	16,091	-
Total current assets	167,551,884	113,807,595	281,359,479
Noncurrent assets:			
Restricted cash and investments	257,351	2,096,523	2,353,874
Lease receivable - due in more than one year	3,338,044	2,394,149	5,732,193
Capital assets:			
Non-depreciable	389,874,861	46,416,750	436,291,611
Depreciable, net	205,789,256	159,180,411	364,969,667
Total capital assets	595,664,117	205,597,161	801,261,278
Total noncurrent assets	599,259,512	210,087,833	809,347,345
Total assets	766,811,396	323,895,428	1,090,706,824
DEFERRED OUTFLOWS OF RESOURCES			
Related to OPEB	38,579,840	12,485,317	51,065,157
Related to pensions	53,389,532	7,581,614	60,971,146
Total deferred outflows of resources	91,969,372	20,066,931	112,036,303

See accompanying Notes to the Basic Financial Statements.

City of Redlands
Statement of Net Position (Continued)
June 30, 2023

	Primary Government		
	Governmental Activities	Business-Type Activities	Total
LIABILITIES			
Current liabilities:			
Accounts payable	7,414,767	4,404,572	11,819,339
Accrued payroll	3,250,408	863,910	4,114,318
Interest payable	123,460	92,760	216,220
Unearned revenue	6,766,135	140,460	6,906,595
Deposits payable	2,952,722	2,987,623	5,940,345
Compensated absences - due within one year	3,962,708	532,585	4,495,293
Claims payable - due within one year	7,762,947	-	7,762,947
Long-term debt - due within one year	1,273,203	3,411,890	4,685,093
Total current liabilities	33,506,350	12,433,800	45,940,150
Noncurrent liabilities:			
Compensated absences - due in more than one year	3,962,708	532,584	4,495,292
Claims payable - due in more than one year	7,762,946	-	7,762,946
Long-term debt - due in more than one year	8,710,377	11,710,039	20,420,416
Landfill closure liability	-	11,606,913	11,606,913
Total OPEB liability - due in more than one year	102,959,850	44,000,415	146,960,265
Aggregate net pension liability - due in more than one year	131,813,535	23,007,396	154,820,931
Total noncurrent liabilities	255,209,416	90,857,347	346,066,763
Total liabilities	288,715,766	103,291,147	392,006,913
DEFERRED INFLOWS OF RESOURCES			
Related to leases	4,258,682	2,534,738	6,793,420
Related to OPEB	44,456,577	12,287,103	56,743,680
Related to pensions	5,797,794	408,984	6,206,778
Total deferred inflows of resources	54,513,053	15,230,825	69,743,878
NET POSITION			
Net investment in capital assets	590,288,015	190,475,232	780,763,247
Restricted:			
Donations	595,902	-	595,902
PEG Fees	664,781	-	664,781
Public safety	560,656	-	560,656
Police programs and equipment	1,699,668	-	1,699,668
Public art	9,411	-	9,411
Street reconstruction/improvement projects	6,617,218	-	6,617,218
Debt service	559,509	462,600	1,022,109
Storm drain improvements	2,545,321	16,103,982	18,649,303
Endowment - non-expendable	-	110,741	110,741
Endowment - expendable	29,393	-	29,393
CFD assessment	103,264	-	103,264
Total restricted	13,385,123	16,677,323	30,062,446
Unrestricted (deficit)	(88,121,189)	18,287,832	(69,833,357)
Total net position	$ 515,551,949	$ 225,440,387	$ 740,992,336

See accompanying Notes to the Basic Financial Statements.

City of Redlands
Statement of Activities and Changes in Net Position
For the Year Ended June 30, 2023

Functions/Programs	Expenses	Program Revenues: Charges for Services	Program Revenues: Operating Grants and Contributions	Program Revenues: Capital Grants and Contributions	Total
Primary government:					
Governmental activities:					
General government	$ 28,913,048	$ 15,681,682	$ 4,200,923	$ 138,580	$ 20,021,185
Public safety	48,272,159	932,542	521,298	119,576	1,573,416
Culture and recreation	9,123,335	421,867	436,107	294,300	1,152,274
Highway and streets	12,081,743	332,187	-	52,893,918	53,226,105
Library	3,557,350	83,541	-	25,616	109,157
Interest on long-term debt	792,780	-	-	-	-
Total governmental activities	102,740,415	17,451,819	5,158,328	53,471,990	76,082,137
Business-type activities:					
Water	26,729,160	27,080,827	78,647	2,205,981	29,365,455
Disposal	17,755,193	20,313,945	11,585	266,670	20,592,200
Wastewater	13,554,178	12,465,052	136,957	1,433,064	14,035,073
Groves	1,880,763	1,681,761	-	-	1,681,761
Non-Potable	563,123	618,839	-	104,920	723,759
Cemetery	1,441,652	986,715	-	-	986,715
Aviation	819,188	136,727	158,706	-	295,433
Total business-type activities	62,743,257	63,283,866	385,895	4,010,635	67,680,396
Total primary government	$ 165,483,672	$ 80,735,685	$ 5,544,223	$ 57,482,625	$ 143,762,533

See accompanying Notes to the Basic Financial Statements.

City of Redlands
Statement of Activities and Changes in Net Position (Continued)
For the Year Ended June 30, 2023

Functions/Programs	Net (Expense) Revenue and Changes in Net Position		
	Governmental Activities	Business-type Activities	Total
Primary government:			
Governmental activities:			
General government	$ (8,891,863)	$ -	$ (8,891,863)
Public safety	(46,698,743)	-	(46,698,743)
Culture and recreation	(7,971,061)	-	(7,971,061)
Highway and streets	41,144,362	-	41,144,362
Library	(3,448,193)	-	(3,448,193)
Interest on long-term debt	(792,780)	-	(792,780)
Total governmental activities	(26,658,278)	-	(26,658,278)
Business-type activities:			
Water	-	2,636,295	2,636,295
Disposal	-	2,837,007	2,837,007
Wastewater	-	480,895	480,895
Groves	-	(199,002)	(199,002)
Non-Potable	-	160,636	160,636
Cemetery	-	(454,937)	(454,937)
Aviation	-	(523,755)	(523,755)
Total business-type activities	-	4,937,139	4,937,139
Total primary government	(26,658,278)	4,937,139	(21,721,139)
General Revenues and Transfers:			
General revenues:			
Taxes:			
Property taxes	40,372,312	96,621	40,468,933
Sales and use taxes	48,632,853	-	48,632,853
Franchise taxes	4,487,821	-	4,487,821
Other taxes	3,109,696	-	3,109,696
Total taxes	96,602,682	96,621	96,699,303
Investment income	2,757,278	1,123,030	3,880,308
Intergovernmental - unrestricted	572,685	-	572,685
Miscellaneous revenue	4,734,390	1,107,435	5,841,825
Transfers	2,742,192	(2,742,192)	-
Total general revenues and transfers	107,409,227	(415,106)	106,994,121
Change in net position	80,750,949	4,522,033	85,272,982
Net Position:			
Beginning of year, as restated (Note 19)	434,801,000	220,918,354	655,719,354
End of year	$ 515,551,949	$ 225,440,387	$ 740,992,336

See accompanying Notes to the Basic Financial Statements.

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FUND FINANCIAL STATEMENTS

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Governmental Funds Financial Statements

General Fund - This fund accounts for all revenues and expenditures used to finance the traditional services associated with a municipal government which are not accounted for in the other funds. In Redlands, these services include general government, public safety, culture and recreation, highway and streets, and library.

Public Facilities Development Special Revenue Fund - This fund accounts for the collection and related expenditure of development impact fees restricted for constructing new and upgrading existing public facilities.

Governmental Grants Special Revenue Fund - This fund accounts for the receipt and expenditure of grant monies received from various agencies for general government projects.

City of Redlands
Balance Sheet
Governmental Funds
June 30, 2023

	Major Funds		
	General Fund	Public Facilities Development Special Revenue Fund	Governmental Grants Special Revenue Fund
ASSETS			
Cash and investments	$ 99,045,971	$ 1,544,793	$ 5,294,835
Restricted cash and investments	-	-	-
Accounts receivable, net	936,682	-	-
Taxes receivable	9,730,965	-	-
Lease receivable	4,334,753	-	-
Due from other governments	165,190	-	1,432,303
Prepaid items	524,050	-	528,897
Due from other funds	641,625	-	-
Due from Fiduciary Funds	369,064	-	-
Advances to other funds	7,690,541	-	-
Total assets	$ 123,438,841	$ 1,544,793	$ 7,256,035
LIABILITIES, DEFERRED INFLOWS OF RESOURCES, AND FUND BALANCES			
Liabilities:			
Accounts payable	$ 2,974,815	$ -	$ 944,459
Accrued payroll	2,358,480	-	16,674
Deposits payable	2,466,778	-	-
Unearned revenues	293,016	-	6,074,912
Due to other funds	-	-	-
Advances from other funds	-	7,706,632	-
Total liabilities	8,093,089	7,706,632	7,036,045
DEFERRED INFLOWS OF RESOURCES			
Unavailable revenue	238,036	-	1,297,316
Deferred inflows related to leases	4,149,875	-	-
Total deferred inflows of resources	4,387,911	-	1,297,316
Fund Balances:			
Nonspendable	8,214,591	-	528,897
Restricted	1,260,683	-	-
Committed	12,492,698	-	-
Assigned	35,700,799	-	-
Unassigned (deficit)	53,289,070	(6,161,839)	(1,606,223)
Total fund balances	110,957,841	(6,161,839)	(1,077,326)
Total liabilities, deferred inflows of resources, and fund balances	$ 123,438,841	$ 1,544,793	$ 7,256,035

(Continued)

City of Redlands
Balance Sheet (Continued)
Governmental Funds
June 30, 2023

	Non-major Governmental Funds	Total Governmental Funds
ASSETS		
Cash and investments	$ 28,361,041	$ 134,246,640
Restricted cash and investments	257,351	257,351
Accounts receivable, net	13,372	950,054
Taxes receivable	937,420	10,668,385
Lease receivable	110,446	4,445,199
Due from other governments	718,906	2,316,399
Prepaid items	15,730	1,068,677
Due from other funds	-	641,625
Due from Fiduciary Funds	-	369,064
Advances to other funds	-	7,690,541
Total assets	$ 30,414,266	$ 162,653,935
LIABILITIES, DEFERRED INFLOWS OF RESOURCES, AND FUND BALANCES		
Liabilities:		
Accounts payable	$ 2,192,040	$ 6,111,314
Accrued payroll	198,422	2,573,576
Deposits payable	485,944	2,952,722
Unearned revenues	398,207	6,766,135
Due to other funds	641,625	641,625
Advances from other funds	-	7,706,632
Total liabilities	3,916,238	26,752,004
DEFERRED INFLOWS OF RESOURCES		
Unavailable revenue	843,695	2,379,047
Deferred inflows related to leases	108,807	4,258,682
Total deferred inflows of resources	952,502	6,637,729
Fund Balances:		
Nonspendable	45,930	8,789,418
Restricted	11,961,583	13,222,266
Committed	11,893,350	24,386,048
Assigned	2,325,558	38,026,357
Unassigned (deficit)	(680,895)	44,840,113
Total fund balances	25,545,526	129,264,202
Total liabilities, deferred inflows of resources, and fund balances	$ 30,414,266	$ 162,653,935

(Concluded)

See accompanying Notes to the Basic Financial Statements.

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City of Redlands
Reconciliation of the Governmental Funds Balance Sheet to the Government-Wide Statement of Net Position
June 30, 2023

Total Fund Balances - Total Governmental Funds	$ 129,264,202
Amounts reported for Governmental Activities in the Statement of Net Position were different because:	
Unavailable revenues reported on the Governmental Fund Financial Statements resulting from activities in which revenues were earned but were not available are reclassified as revenues in the Government-Wide Financial Statements.	2,379,047
Capital Assets used in the governmental activities were not financial resources and therefore were not reported in the Governmental Funds Balance Sheet.	
Government-Wide Statement of Net Position	595,664,117
Less: capital assets reported in Internal Service Funds	(1,112,684)
Total capital assets	594,551,433
Long-term liabilities are not due and payable in the current period and therefore were not reported in the Governmental Funds Balance Sheet.	
Amount reported in Government-Wide Statement of Net Position	
Compensated absences - due within one year	(3,962,708)
Compensated absences - due in more than one year	(3,962,708)
Long-term debt - due within one year	(1,273,203)
Long-term debt - due in more than one year	(8,710,377)
Less: amount reported in Internal Service Funds:	
Compensated absences - due within one year	207,399
Compensated absences - due in more than one year	207,399
Long-term debt - due within one year	137,376
Long-term debt - due in more than one year	59,323
Total long-term liabilities	(17,297,499)
Interest payable on long-term debt did not require current financial resources. Therefore, interest payable was not reported as a liability in the governmental funds.	(123,460)
Aggregate net pension liability and total OPEB liability used in the governmental activities were not financial resources and therefore were not reported in the Governmental Funds Balance Sheet.	
Total OPEB liability	(102,959,850)
Net pension liability	(131,813,535)
Less: amount reported in Internal Service Funds:	
Total OPEB liability	8,686,241
Net pension liability	6,193,697
Total OPEB and Pension	(219,893,447)
Deferred outflows of resources related to OPEB and pensions are not available for current period and, therefore, are deferred in the governmental funds or not recorded in the governmental funds	
Amount reported in Government-Wide Statement of Net Position	
Deferred outflows of resources related to OPEB	38,579,840
Deferred outflows of resources related to pensions	53,389,532
Less: amount reported in Internal Service Funds:	
Deferred outflows of resources related to OPEB	(3,005,542)
Deferred outflows of resources related to pensions	(2,041,006)
Total deferred outflows of resources	86,922,824
Deferred inflows of resources related to OPEB and pensions are not available for current period and, therefore, are deferred in the governmental funds or not recorded in the governmental funds.	
Amount reported in Government-Wide Statement of Net Position	
Deferred inflows of resources related to OPEB	(44,456,577)
Deferred inflows of resources related to pensions	(5,797,794)
Less: amount reported in Internal Service Funds:	
Deferred inflows of resources related to OPEB	3,582,567
Deferred inflows of resources related to pensions	110,101
Total deferred inflows of resources	(46,561,703)
Internal service funds are used by management to charge the costs of certain activities, such as fleet maintenance, risk management, and information technology, to individual funds. The assets and liabilities of the internal service funds are included in the governmental activities in the statement of net position.	(13,689,448)
Net Position of Governmental Activities	$ 515,551,949

See accompanying Notes to the Basic Financial Statements.

City of Redlands
Statement of Revenues, Expenditures, and Changes in Fund Balances
Governmental Funds
For the Year Ended June 30, 2023

	Major Funds		
	General Fund	Public Facilities Development Special Revenue Fund	Governmental Grants Special Revenue Fund
REVENUES:			
Property taxes	$ 38,511,905	$ -	$ -
Sales and use taxes	48,632,853	-	-
Other taxes	3,109,696	-	-
Franchise fees	4,487,821	-	-
Licenses and permits	8,862,824	-	-
Fines and forfeitures	241,830	-	-
Intergovernmental	453,475	-	4,545,209
Charges for services	7,420,190	283,772	-
Investment income (loss)	327,573	-	38
Rents and leases	1,821,671	-	-
Miscellaneous	2,391,443	-	-
Total revenues	116,261,281	283,772	4,545,247
EXPENDITURES:			
Current:			
General government	21,713,295	5,675	2,688,212
Public safety	48,310,713	-	153,948
Culture and recreation	7,160,435	-	23,493
Highway and streets	5,290,295	-	-
Library	3,125,090	-	-
Capital outlay	5,650,480	-	2,425,421
Debt service:			
Principal	860,759	-	-
Interest and fiscal charges	386,241	178,244	-
Total expenditures	92,497,308	183,919	5,291,074
REVENUES OVER (UNDER) EXPENDITURES	23,763,973	99,853	(745,827)
OTHER FINANCING SOURCES (USES):			
Inception of lease liability	384,011	-	-
Transfers in	2,307,193	-	97
Transfers out	(8,937,560)	-	-
Total other financing sources (uses)	(6,246,356)	-	97
NET CHANGE IN FUND BALANCES	17,517,617	99,853	(745,730)
FUND BALANCES (DEFICIT):			
Beginning of year	93,440,224	(6,261,692)	(331,596)
End of year	$ 110,957,841	$ (6,161,839)	$ (1,077,326)

(Continued)

City of Redlands
Statement of Revenues, Expenditures, and Changes in Fund Balances (Continued)
Governmental Funds
For the Year Ended June 30, 2023

	Non-major Governmental Funds	Total Governmental Funds
REVENUES:		
Property taxes	$ 1,223,275	$ 39,735,180
Sales and use taxes	1,924,654	50,557,507
Other taxes	-	3,109,696
Franchise fees	-	4,487,821
Licenses and permits	-	8,862,824
Fines and forfeitures	487,236	729,066
Intergovernmental	6,471,533	11,470,217
Charges for services	1,874,927	9,578,889
Investment income (loss)	154,408	482,019
Rents and leases	9,988	1,831,659
Miscellaneous	77,259	2,468,702
Total revenues	12,223,280	133,313,580
EXPENDITURES:		
Current:		
General government	929,412	25,336,594
Public safety	5,590,652	54,055,313
Culture and recreation	221,896	7,405,824
Highway and streets	560,919	5,851,214
Library	-	3,125,090
Capital outlay	6,252,495	14,328,396
Debt service:		
Principal	1,684,839	2,545,598
Interest and fiscal charges	287,483	851,968
Total expenditures	15,527,696	113,499,997
REVENUES OVER (UNDER) EXPENDITURES	(3,304,416)	19,813,583
OTHER FINANCING SOURCES (USES):		
Inception of lease liability	-	384,011
Transfers in	9,148,480	11,455,770
Transfers out	(4,274,924)	(13,212,484)
Total other financing sources (uses)	4,873,556	(1,372,703)
NET CHANGE IN FUND BALANCES	1,569,140	18,440,880
FUND BALANCES (DEFICIT):		
Beginning of year	23,976,386	110,823,322
End of year	$ 25,545,526	$ 129,264,202

(Concluded)

See accompanying Notes to the Basic Financial Statements.

City of Redlands
Reconciliation of the Governmental Funds Statement of Revenues, Expenditures, and Changes in Fund Balances to the Government-Wide Statement of Activities and Changes in Net Position
For the Year Ended June 30, 2023

Total Fund Balances - Total Governmental Funds	$ 18,440,880
Amounts reported for Governmental Activities in the Statement of Net Position were different because:	
Governmental funds reported capital outlay as expenditures. However, in the Government-Wide Statement of Activities, the cost of those assets was allocated over their estimated useful lives as depreciation and amortization expenses. This is the amount of capital assets recorded in the current period (net of $293,183 added in internal service funds) ($268,609 of the governmental fund capital outlay balance were for repairs and maintenance expenditures).	14,328,396
In the Government-Wide Statement of Activities, donated assets are reported as a capital contribution.	47,311,022
Depreciation/amortization expense on capital assets was reported in the Government-Wide Statement of Activities and Changes in Net Position, but they did not require the use of current financial resources. Therefore, depreciation/amortization expense, net of internal service funds of $549,543, was not reported as expenditures in the Governmental Funds.	(9,546,543)
The net effect of various miscellaneous transactions involving capital assets (i.e. sales, trade-ins, and donations) decreased net position.	(81,745)
Issuance of long-term liabilities provides current financial resources to governmental funds, but the issuance increased long-term liabilities in the Government-Wide Statement of Net Position.	
Leases liabilities	(384,011)
Repayment of long-term liabilities was an expenditures in governmental funds, but the repayment reduced long-term liabilities in the Government-Wide Statement of Net Position.	
Principal payment of long-term debt (net of internal service funds principal payments of $226,062)	2,545,598
Amortization of accreted interest	(54,522)
Interest expense on long-term debt was reported in the Government-Wide Statement of Activities, but it did not require the use of current financial resources. This amount represented the changes in accrued interest from prior year.	123,982
Compensated absences expenses reported in the Government-Wide Statement of Activities do not require the use of current financial resources and, therefore, are not reported as expenditures in the governmental funds. (net of $10,915 deducted in internal service funds).	(154,326)
Revenues in the Government-Wide Statement of Activities that do not provide current financial resources and are not reported as revenue in the governmental funds.	(50,421)
Certain pension expenses reported in the Government-Wide Statement of Activities do not require the use of current financial resources and therefore, are not reported as expenditures in governmental funds.	
Changes in pension related deferred outflows of resources	26,890,201
Changes in net pension liabilities	(54,280,672)
Changes in pension related deferred inflows of resources	38,251,759
Certain OPEB expenses reported in the Government-Wide Statement of Activities do not require the use of current financial resources and therefore, are not reported as expenditures in governmental funds.	
Changes in OPEB related deferred outflows of resources	(5,646,634)
Changes in total OPEB liabilities	39,673,870
Changes in OPEB related deferred inflows of resources	(38,677,145)
The internal service funds are used by management to charge the costs of certain activities, such as fleet maintenance, risk management, and information technology to individual funds. The net revenue of certain activities of internal service funds is reported with governmental activities.	2,061,260
Change in Net Position of Governmental Activities	$ 80,750,949

See accompanying Notes to the Basic Financial Statements.

Proprietary Funds Financial Statements

Water Fund - This fund is used to account for the activities of the City's water utility operations, projects, debt service costs, and impact fees of the City.

Disposal Fund - This fund is used to account for the activities of the City's refuse disposal collection operations, projects, debt service costs, and impact fees of the City.

Wastewater Fund - This fund is used to account for the activities of the City's wastewater utility operations, projects, debt service costs, and impact fees of the City.

Internal Service Funds - These funds are used to provide goods and services by one department or agency to other departments or agencies of the City on a cost reimbursement basis.

City of Redlands
Statement of Net Position
Proprietary Funds
June 30, 2023

	Major Funds		
	Water Fund	Disposal Fund	Wastewater Fund
ASSETS			
Current assets:			
Cash and investments	$ 56,667,174	$ 20,870,206	$ 19,257,459
Accounts receivable, net	3,778,238	2,740,793	1,788,413
Taxes receivable	35	208	-
Interest receivable	-	-	-
Lease receivable - due within one year	93,575	-	-
Due from other governments	-	-	-
Prepaid items	-	-	-
Inventories	-	-	-
Due from other funds	-	-	-
Total current assets	60,539,022	23,611,207	21,045,872
Noncurrent assets:			
Restricted cash and investments	685,344	1,411,179	-
Lease receivable - due in more than one year	1,759,945	-	-
Advances to other funds	630,003	737,613	-
Capital assets:			
Non-depreciable	22,054,531	44,849	8,943,779
Depreciable, net	106,176,444	8,128,557	41,710,133
Total capital assets	128,230,975	8,173,406	50,653,912
Total noncurrent assets	131,306,267	10,322,198	50,653,912
Total assets	191,845,289	33,933,405	71,699,784
DEFERRED OUTFLOW OF RESOURCES			
Related to OPEB	5,696,841	4,002,165	2,292,774
Related to pensions	3,052,099	2,173,353	1,895,956
Total deferred outflow of resources	8,748,940	6,175,518	4,188,730

(Continued)

City of Redlands
Statement of Net Position (Continued)
Proprietary Funds
June 30, 2023

	Non-Major Enterprise Funds	Total	Governmental Activities Internal Service Funds
ASSETS			
Current assets:			
Cash and investments	$ 8,045,150	$ 104,839,989	$ 16,521,595
Accounts receivable, net	348,019	8,655,463	58,337
Taxes receivable	379	622	-
Interest receivable	-	-	-
Lease receivable - due within one year	136,053	229,628	-
Due from other governments	65,802	65,802	-
Prepaid items	-	-	167,415
Inventories	-	-	94,254
Due from other funds	-	-	-
Total current assets	8,595,403	113,791,504	16,841,601
Noncurrent assets:			
Restricted cash and investments	-	2,096,523	-
Lease receivable - due in more than one year	634,204	2,394,149	-
Advances to other funds	-	1,367,616	-
Capital assets:			
Non-depreciable	15,373,591	46,416,750	26,081
Depreciable, net	3,165,277	159,180,411	1,086,603
Total capital assets	18,538,868	205,597,161	1,112,684
Total noncurrent assets	19,173,072	211,455,449	1,112,684
Total assets	27,768,475	325,246,953	17,954,285
DEFERRED OUTFLOW OF RESOURCES			
Related to OPEB	493,537	12,485,317	3,005,542
Related to pensions	460,206	7,581,614	2,041,006
Total deferred outflow of resources	953,743	20,066,931	5,046,548

(Continued)

City of Redlands
Statement of Net Position (Continued)
Proprietary Funds
June 30, 2023

	Major Funds		
	Water Fund	Disposal Fund	Sewer Fund
LIABILITIES			
Current liabilities:			
Accounts payable	3,023,788	474,125	657,612
Accrued payroll	328,222	263,860	215,835
Interest payable	-	91,561	-
Deposits payable	1,632,376	28,492	6,127
Unearned revenue	228	134,360	-
Compensated absences - due within one year	251,208	124,068	140,423
Claims payable - due within one year	-	-	-
Long-term debt - due within one year	913,758	2,063,805	385,790
Total current liabilities	6,149,580	3,180,271	1,405,787
Noncurrent liabilities:			
Advances from other funds	-	-	-
Compensated absences - due in more than one year	251,208	124,068	140,422
Claims payable - due in more than one year	-	-	-
Long term debt - due in more than one year	6,882,047	4,270,492	496,875
Landfill closure	-	11,606,913	-
Total OPEB liability	22,086,075	11,357,940	9,186,381
Net pension liability	9,261,991	6,595,322	5,753,527
Total noncurrent liabilities	38,481,321	33,954,735	15,577,205
Total liabilities	44,630,901	37,135,006	16,982,992
DEFERRED INFLOWS OF RESOURCES			
Related to leases	1,775,091	-	-
Related to OPEB	5,047,420	4,378,106	2,257,281
Related to pensions	164,643	117,240	102,276
Total deferred inflows of resources	6,987,154	4,495,346	2,359,557
NET POSITION			
Net investment in capital assets	120,435,170	1,839,109	49,771,247
Unrestricted (deficit)	28,541,004	(3,360,538)	6,774,718
Total net position (deficit)	$ 148,976,174	$ (1,521,429)	$ 56,545,965

(Continued)

See accompanying Notes to the Basic Financial Statements.

City of Redlands
Statement of Net Position (Continued)
Proprietary Funds
June 30, 2023

	Non-Major Enterprise Funds	Total	Governmental Activities Internal Service Funds
LIABILITIES			
Current liabilities:			
Accounts payable	249,047	4,404,572	1,303,453
Accrued payroll	55,993	863,910	676,832
Interest payable	1,199	92,760	-
Deposits payable	1,320,628	2,987,623	-
Unearned revenue	5,872	140,460	-
Compensated absences - due within one year	16,886	532,585	207,399
Claims payable - due within one year	-	-	7,762,947
Long-term debt - due within one year	48,537	3,411,890	137,376
Total current liabilities	1,698,162	12,433,800	10,088,007
Noncurrent liabilities:			
Advances from other funds	1,351,525	1,351,525	-
Compensated absences - due in more than one year	16,886	532,584	207,399
Claims payable - due in more than one year	-	-	7,762,946
Long term debt - due in more than one year	60,625	11,710,039	59,323
Landfill closure	-	11,606,913	-
Total OPEB liability	1,370,019	44,000,415	8,686,241
Net pension liability	1,396,556	23,007,396	6,193,697
Total noncurrent liabilities	4,195,611	92,208,872	22,909,606
Total liabilities	5,893,773	104,642,672	32,997,613
DEFERRED INFLOWS OF RESOURCES			
Related to leases	759,647	2,534,738	-
Related to OPEB	604,296	12,287,103	3,582,567
Related to pensions	24,825	408,984	110,101
Total deferred inflows of resources	1,388,768	15,230,825	3,692,668
NET POSITION			
Net investment in capital assets	18,429,706	190,475,232	1,112,684
Unrestricted (deficit)	3,009,971	34,965,155	(14,802,132)
Total net position (deficit)	$ 21,439,677	$ 225,440,387	$ (13,689,448)

(Concluded)

See accompanying Notes to the Basic Financial Statements.

City of Redlands
Statement of Revenues, Expenses, and Changes in Net Position
Proprietary Funds
For the Year Ended June 30, 2023

	Major Funds		
	Water Fund	Disposal Fund	Wastewater Fund
OPERATING REVENUES:			
Charges for services	$ 27,080,827	$ 20,313,945	$ 12,465,052
Miscellaneous operating revenue	451,465	-	21,671
Total operating revenues	27,532,292	20,313,945	12,486,723
OPERATING EXPENSES:			
Salaries and benefits	5,883,115	4,935,794	4,137,110
General and administrative	7,602,403	10,556,017	3,831,523
Parts and supplies	4,708,796	850,183	1,872,136
Utilities	3,826,842	207,881	1,294,827
Depreciation/amortization	4,504,009	1,130,634	2,413,125
Total operating expenses	26,525,165	17,680,509	13,548,721
OPERATING INCOME (LOSS)	1,007,127	2,633,436	(1,061,998)
NONOPERATING REVENUES (EXPENSES):			
Investment income	659,228	122,334	255,594
Interest expense	(203,995)	(74,684)	(499)
Property taxes	-	-	-
Operating grants	78,647	11,585	136,957
Loss on disposal of capital assets	-	-	(4,958)
Total nonoperating revenues (expenses)	533,880	59,235	387,094
INCOME (LOSS) BEFORE CAPITAL CONTRIBUTIONS AND TRANSFERS	1,541,007	2,692,671	(674,904)
CAPITAL CONTRIBUTIONS AND TRANSFERS:			
Capital contributions	2,205,981	266,670	1,433,064
Transfers in	344,637	-	21,450
Transfers out	(556,026)	(2,257,284)	(243,826)
Total capital contributions and transfers	1,994,592	(1,990,614)	1,210,688
Changes in net position	3,535,599	702,057	535,784
NET POSITION (DEFICIT):			
Beginning of year, as restated (Note 19)	145,440,575	(2,223,486)	56,010,181
End of year	$ 148,976,174	$ (1,521,429)	$ 56,545,965

(Continued)

City of Redlands
Statement of Revenues, Expenses, and Changes in Net Position (Continued)
Proprietary Funds
For the Year Ended June 30, 2023

	Non-Major Enterprise Funds	Total	Governmental Activities Internal Service Funds
OPERATING REVENUES:			
Charges for services	$ 3,424,042	$ 63,283,866	$ 19,798,719
Miscellaneous operating revenue	634,299	1,107,435	415,386
Total operating revenues	4,058,341	64,391,301	20,214,105
OPERATING EXPENSES:			
Salaries and benefits	1,536,458	16,492,477	4,946,220
General and administrative	2,291,976	24,281,919	11,404,808
Parts and supplies	312,705	7,743,820	5,879,323
Utilities	208,411	5,537,961	305,185
Depreciation/amortization	317,151	8,364,919	549,543
Total operating expenses	4,666,701	62,421,096	23,085,079
OPERATING INCOME (LOSS)	(608,360)	1,970,205	(2,870,974)
NONOPERATING REVENUES (EXPENSES):			
Investment income	85,874	1,123,030	443,600
Interest expense	(38,025)	(317,203)	(10,272)
Property taxes	96,621	96,621	-
Operating grants	158,706	385,895	-
Loss on disposal of capital assets	-	(4,958)	-
Total nonoperating revenues (expenses)	303,176	1,283,385	433,328
INCOME (LOSS) BEFORE CAPITAL CONTRIBUTIONS AND TRANSFERS	(305,184)	3,253,590	(2,437,646)
CAPITAL CONTRIBUTIONS AND TRANSFERS			
Capital contributions	104,920	4,010,635	-
Transfers in	292,849	658,936	5,026,046
Transfers out	(343,992)	(3,401,128)	(527,140)
Total capital contributions and transfers	53,777	1,268,443	4,498,906
Changes in net position	(251,407)	4,522,033	2,061,260
NET POSITION (DEFICIT):			
Beginning of year, as restated (Note 19)	21,691,084	220,918,354	(15,750,708)
End of year	$ 21,439,677	$ 225,440,387	$ (13,689,448)

(Concluded)

See accompanying Notes to the Basic Financial Statements.

City of Redlands
Statement of Cash Flows
Proprietary Funds
For the Year Ended June 30, 2023

	Major Funds		
	Water Fund	Disposal Fund	Wastewater Fund
CASH FLOWS FROM OPERATING ACTIVITIES:			
Cash received from customers	$ 27,995,808	$ 21,397,849	$ 12,716,205
Cash payments to suppliers for goods and services	(17,019,146)	(10,629,101)	(7,972,575)
Cash payments to employees for services	(6,275,391)	(4,678,738)	(3,841,805)
Receipts from other operating activities	451,465	-	21,671
Net cash provided by (used in) operating activities	5,152,736	6,090,010	923,496
CASH FLOWS FROM NONCAPITAL FINANCING ACTIVITIES:			
Operating grants	80,147	11,585	136,957
Property taxes	-	709	-
Due from other funds	-	-	-
Due to other funds	-	-	-
Advances to other funds	159,524	41,858	-
Advances from other funds	-	-	-
Transfers from other funds	344,637	-	21,450
Transfers to other funds	(556,026)	(2,257,284)	(243,826)
Net cash provided by (used in) noncapital financing activities	28,282	(2,203,132)	(85,419)
CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES:			
Acquisition of capital assets	(7,777,647)	(1,323,996)	(4,441,419)
Cash contributions received from developers	2,205,981	266,670	1,433,064
Proceeds from the sale of assets	-	1,251,193	206,351
Inception of lease liability	279,422	-	194,484
Principal payment of long-term debt	(749,057)	(2,139,947)	(354,379)
Interest paid on debt	(372,348)	(107,052)	(499)
Net cash provided by (used in) capital and related financing activities	(6,413,649)	(2,053,132)	(2,962,398)
CASH FLOWS FROM INVESTING ACTIVITIES:			
Investment income (loss)	659,228	122,334	255,594
Net cash (used in) investing activities	659,228	122,334	255,594
Net change in cash and cash equivalents	(573,403)	1,956,080	(1,868,727)
CASH AND CASH EQUIVALENTS:			
Beginning of year	57,925,921	20,325,305	21,126,186
End of year	$ 57,352,518	$ 22,281,385	$ 19,257,459
RECONCILIATION OF CASH AND CASH EQUIVALENTS TO STATEMENT OF NET POSITION:			
Cash and cash investments	$ 56,667,174	$ 20,870,206	$ 19,257,459
Restricted cash and investments	685,344	1,411,179	-
Total cash and cash equivalents	$ 57,352,518	$ 22,281,385	$ 19,257,459

(Continued)

City of Redlands
Statement of Cash Flows (Continued)
Proprietary Funds
For the Year Ended June 30, 2023

	Major Funds		
	Water Fund	Disposal Fund	Wastewater Fund
RECONCILIATION OF OPERATING INCOME (LOSS) TO NET CASH PROVIDED BY (USED IN) OPERATING ACTIVITIES:			
Operating income (loss)	$ 1,007,127	$ 2,633,436	$ (1,061,998)
Adjustments to reconcile operating (loss) to net cash provided by (used in) operating activities:			
Depreciation	4,504,009	1,130,634	2,413,125
Changes in operating assets and liabilities, and deferred outflows and inflows of resources:			
Accounts receivable, net	1,110,909	982,994	394,863
Prepaid items	11,226	-	609
Inventories	-	-	-
Lease receivable	90,913	-	-
Deferred outflows - OPEB related	669,231	613,462	306,731
Deferred outflows - pension related	(1,581,939)	(1,327,755)	(1,217,967)
Accounts payable	(892,331)	108,490	(974,698)
Accrued payroll	30,415	33,916	38,962
Deposits payable	(157,004)	(193)	(428)
Unearned revenue	228	101,103	(143,282)
Compensated absences	17,110	13,013	10,317
Claims payable	-	-	-
Landfill closure	-	876,490	-
Total OPEB liability	(4,702,088)	(4,310,248)	(2,155,124)
Net pension liability	3,468,067	2,887,121	2,833,255
Deferred inflows - lease related	(130,065)	-	-
Deferred inflows - OPEB related	4,583,958	4,201,962	2,100,981
Deferred inflows - pension related	(2,877,030)	(1,854,415)	(1,621,850)
Total adjustments	4,145,609	3,456,574	1,985,494
Net cash provided by (used in) operating activities	$ 5,152,736	$ 6,090,010	$ 923,496
NONCASH CAPITAL AND RELATED FINANCING ACTIVITIES:			
Contributed property, plant and equipment	$ -	$ 266,670	$ -
Total noncash capital and related financing activities	$ -	$ 266,670	$ -

See accompanying Notes to the Basic Financial Statements.

City of Redlands
Statement of Cash Flows (Continued)
Proprietary Funds
For the Year Ended June 30, 2023

	Non-major Funds	Total	Governmental Activities Internal Service Funds
CASH FLOWS FROM OPERATING ACTIVITIES:			
Cash received from customers	$ 3,461,354	$ 65,571,216	$ 19,796,347
Cash payments to suppliers for goods and services	(2,722,833)	(38,343,655)	(16,184,983)
Cash payments to employees for services	(960,564)	(15,756,498)	(3,897,208)
Receipts from other operating activities	634,299	1,107,435	415,386
Net cash provided by (used in) operating activities	412,256	12,578,498	129,542
CASH FLOWS FROM NONCAPITAL FINANCING ACTIVITIES:			
Operating grants	94,394	323,083	-
Property taxes	96,514	97,223	-
Due from other funds	-	-	-
Due to other funds	-	-	-
Advances to other funds	-	201,382	-
Advances from other funds	(176,507)	(176,507)	-
Transfers from other funds	292,849	658,936	5,026,046
Transfers to other funds	(343,992)	(3,401,128)	(527,140)
Net cash provided by (used in) noncapital financing activities	(36,742)	(2,297,011)	4,498,906
CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES:			
Acquisition of capital assets	(55,725)	(13,598,787)	(311,063)
Cash contributions received from developers	104,920	4,010,635	-
Proceeds from the sale of assets	-	1,457,544	-
Inception of lease liability	-	473,906	-
Principal payment of long-term debt	(47,589)	(3,290,972)	(226,062)
Interest paid on debt	(38,574)	(518,473)	(10,272)
Net cash provided by (used in) capital and related financing activities	(36,968)	(11,466,147)	(547,397)
CASH FLOWS FROM INVESTING ACTIVITIES:			
Investment income (loss)	85,874	1,123,030	443,600
Net cash (used in) investing activities	85,874	1,123,030	443,600
Net change in cash and cash equivalents	424,420	(61,630)	4,524,651
CASH AND CASH EQUIVALENTS:			
Beginning of year	7,620,730	106,998,142	11,996,944
End of year	$ 8,045,150	$ 106,936,512	$ 16,521,595
RECONCILIATION OF CASH AND CASH EQUIVALENTS TO STATEMENT OF NET POSITION:			
Cash and cash investments	$ 8,045,150	$ 104,839,989	$ 16,521,595
Restricted cash and investments	-	2,096,523	-
Total cash and cash equivalents	$ 8,045,150	$ 106,936,512	$ 16,521,595

(Continued)

City of Redlands
Statement of Cash Flows (Continued)
Proprietary Funds
For the Year Ended June 30, 2023

	Non-major Funds	Total	Governmental Activities Internal Service Funds
RECONCILIATION OF OPERATING INCOME (LOSS) TO NET CASH PROVIDED BY (USED IN) OPERATING ACTIVITIES:			
Operating income (loss)	$ (608,360)	$ 1,970,205	$ (2,870,974)
Adjustments to reconcile operating (loss) to net cash provided by (used in) operating activities:			
Depreciation	317,151	8,364,919	549,543
Changes in operating assets and liabilities, and deferred outflows and inflows of resources:			
Accounts receivable, net	(13,429)	2,475,337	(2,372)
Prepaid items	-	11,835	404,861
Inventories	-	-	(1,114)
Lease receivable	134,115	225,028	-
Deferred outflows - OPEB related	83,654	1,673,078	501,923
Deferred outflows - pension related	(377,572)	(4,505,233)	(1,394,424)
Accounts payable	90,259	(1,668,280)	241,824
Accrued payroll	20,122	123,415	1,326
Deposits payable	76,160	(81,465)	-
Unearned revenue	(20,048)	(61,999)	-
Compensated absences	2,622	43,062	10,915
Claims payable	-	-	758,762
Landfill closure	-	876,490	-
Total OPEB liability	(587,761)	(11,755,221)	(3,526,566)
Net pension liability	1,196,392	10,384,835	3,656,241
Deferred inflows - lease related	(139,486)	(269,551)	-
Deferred inflows - OPEB related	572,995	11,459,896	3,437,969
Deferred inflows - pension related	(334,558)	(6,687,853)	(1,638,372)
Total adjustments	1,020,616	10,608,293	3,000,516
Net cash provided by (used in) operating activities	$ 412,256	$ 12,578,498	$ 129,542
NONCASH CAPITAL AND RELATED FINANCING ACTIVITIES:			
Contributed property, plant and equipment	$ 104,920	$ 371,590	$ -
Total noncash capital and related financing activities	$ 104,920	$ 371,590	$ -

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Fiduciary Funds Financial Statements

Community Facility District Custodial Fund - This fund accounts for the collection and subsequent expenditure retained for various community facility districts.

RDA Successor Agency Private Purpose Trust Fund - This fund accounts for the assets and liabilities of the former redevelopment agency and is allocated revenue to pay estimated installment payments of enforceable obligations until obligations of the former redevelopment agency are paid in full and assets have been liquidated.

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City of Redlands
Statement of Fiduciary Net Position
Fiduciary Funds
June 30, 2023

	Community Facilities District Custodial Fund	RDA Successor Agency Private Purpose Trust Fund
ASSETS		
Cash and investments	$ 650	$ -
Restricted cash and investments with fiscal agent	3,100,097	-
Total assets	3,100,747	-
LIABILITIES		
Accounts payable	5,856	-
Accrued liabilities	-	512
Due to City	-	369,064
Total liabilities	5,856	369,576
NET POSITION (DEFICIT)		
Restricted for:		
Individuals, organizations, and other governments	3,094,891	-
Held in trust for dissolution of RDA (deficit)	-	(369,576)
Total net position (deficit)	$ 3,094,891	$ (369,576)

See accompanying Notes to the Basic Financial Statements.

City of Redlands
Statement of Changes in Fiduciary Net Position
Fiduciary Funds
For the Year Ended June 30, 2023

	Community Facilities District Trust Fund	RDA Successor Agency Private Purpose Trust Fund
ADDITIONS:		
Fee collections for other governments	$ 1,597,148	$ -
Investment income (loss)	125	84,737
RDA property tax trust fund distribution	-	5,181
Total additions	1,597,273	89,918
DEDUCTIONS:		
Administration	30,662	9,508
Contractual services	3,049	-
Conduit debt payment - principal	895,000	-
Conduit debt payment - interest	590,248	-
Total deductions	1,518,959	9,508
Change in net position	78,314	80,410
NET POSITION (DEFICIT):		
Beginning of year	3,016,577	(449,986)
End of period	$ 3,094,891	$ (369,576)

See accompanying Notes to the Basic Financial Statements.

NOTES TO THE BASIC FINANCIAL STATEMENTS

City of Redlands
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For the Year Ended June 30, 2023

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Note 1 – Summary of Significant Accounting Policies

The basic financial statements of the City of Redlands, California (the "City") have been prepared in conformity with accounting principles generally accepted in the United States of America ("U.S. GAAP") as applied to governmental agencies. The Governmental Accounting Standards Board ("GASB") is the accepted standard-setting body for establishing governmental accounting and financial reporting standards in the United States. The more significant of the City's accounting policies are described below.

A. Financial Reporting Entity

The City is a municipal corporation governed by a five-member city council with the mayor elected by the council itself. The City was incorporated in 1888 under the general laws of the State of California and enjoys all the rights and privileges applicable to a General Law City. The City provides the following services: police; building inspection; parks and streets; water; disposal; sanitation; leisure services; planning and zoning; general administration services; aviation; and redevelopment.

Blended Component Units

The financial reporting entity consists of the primary government, the City, and its component units. Component units are legally separate entities for which the elected officials of the primary government are financially accountable. In addition, component units can be other organizations for which the primary government is accountable and their exclusion would cause the reporting entity's financial statements to be misleading or incomplete.

Blended component units, although legally separate entities, are, in substance part of the government's operation and so data from these units are combined with data of the primary government. Discretely presented component units, on the other hand, are reported in a separate column in the combined financial statements to emphasize that they are legally separate from the government.

Although the following are legally separate from the City, they have been "blended" as though they are part of the City because the component unit's governing body is substantially the same as the City's and there is a financial benefit or burden relationship between the City and the component unit; management of the City has operational responsibilities for the component units; and/or the component units provide services entirely, or almost entirely, to the City or otherwise exclusively, or almost exclusively, benefits the City, even though it does not provide services directly to it.

Redlands Public Improvement Corporation

The Redlands Public Improvement Corporation ("Corporation") was organized in June 1985 pursuant to the Nonprofit Public Benefit Corporation Law of the State of California, solely for the purpose of providing financial assistance to the City by acquiring, constructing, improving, developing and installing certain real and personal property together with appurtenances and appurtenant work for the use, benefit and enjoyment of the public. The corporation was formed at the request of the City and the directors receive no compensation. The corporation is presented as a governmental fund type.

Redlands Joint Powers Financing Authority (JPFA)

The Redlands Financing Authority ("Authority") was established May 1, 1999, pursuant to the Joint Exercise of Powers Laws of the State of California. The Authority was created by the former Redevelopment Agency and the City for the primary purpose of assisting the financing of capital improvements, working capital, liability and other insurance needs, or projects whenever there are significant public benefits. No separate annual financial statements are prepared for the Authority.

Note 1 – Summary of Significant Accounting Policies (Continued)

A. Financial Reporting Entity (Continued)

Related Organizations

The City of Redlands' officials are also responsible for appointing members of the boards of other organizations, but the City of Redlands' accountability for these organizations does not extend beyond making the appointments. The board of the Friends of the A.K. Smiley Public Library and the Redlands Historical Museum Association are appointed by the City Council.

B. Basis of Presentation, Accounting and Measurement Focus

The accounts of the City are organized on the basis of funds, each of which is considered a separate accounting entity. The operations of each fund are accounted for by providing a separate set of self-balancing accounts that comprise its assets, deferred outflows of resources, liabilities, deferred inflows of resources, fund equity, revenues and expenditures or expenses, as appropriate. Fund accounting segregates funds according to their intended purpose and is used to aid management in demonstrating compliance with finance-related legal and contractual provisions. The minimum number of funds is maintained in accordance with legal and managerial requirements.

Government-Wide Financial Statements

The City's Government-Wide Financial Statements include a Statement of Net Position and a Statement of Activities. These statements present summaries of governmental and business-type activities for the City accompanied by a total column. Fiduciary activities of the City are not included in these statements.

These financial statements are presented on an *"economic resources"* measurement focus and the accrual basis of accounting. Accordingly, all of the City's assets and liabilities, including capital assets, as well as infrastructure assets, and long-term liabilities, are included in the accompanying Statement of Net Position. The Statement of Activities presents changes in Net Position. Under the accrual basis of accounting, revenues are recognized in the period in which they are earned while expenses are recognized in the period in which the liability is incurred. Under the accrual basis of accounting, revenues, expenses, gains, losses, assets, deferred outflows of resources, liabilities, and deferred inflows of resources resulting from exchange and exchange-like transactions are recognized when the exchange takes place. Revenues, expenses, gains, losses, assets, deferred outflows of resources, liabilities and deferred inflows of resources resulting from non-exchange transactions are recognized in accordance with the requirements of U.S. GAAP.

Program revenues include charges for services, special assessments, and payments made by parties outside of the reporting government's citizenry if that money is restricted to a particular program. Program revenues are netted with program expenses in the statement of activities to present the net cost of each program. Program revenues for the City are classified in three categories:

- Charges for services
- Operating grants and contributions
- Capital grants and contributions

Note 1 – Summary of Significant Accounting Policies (Continued)

B. Basis of Presentation, Accounting and Measurement Focus (Continued)

Certain eliminations have been made in regards to interfund activities, payables and receivables. All internal balances in the Statement of Net Position have been eliminated except those representing balances between the governmental activities and the business-type activities, which are presented as internal balances and eliminated in the total primary government column. In the Statement of Activities and Changes in Net Position, internal service fund transactions have been eliminated; however, those transactions between governmental and business-type activities have not been eliminated. The following interfund activities have been eliminated:

- Due to/from other funds
- Advance to/from other funds
- Due to City/from Fiduciary Funds
- Transfers in/out

Governmental Fund Financial Statements

Governmental Fund Financial Statements include a Balance Sheet and a Statement of Revenues, Expenditures and Changes in Fund Balances. An accompanying schedule is presented to reconcile and explain the differences in Net Position as presented in these statements to the Net Position presented in the Government-Wide Financial Statements. The City has presented all major funds that met the applicable criteria.

All governmental funds are accounted for on a spending or *"current financial resources"* measurement focus and the modified accrual basis of accounting. Accordingly, only current assets and current liabilities are included on the Balance Sheet. The Statement of Revenues, Expenditures and Changes in Fund Balances presents increases (revenues and other financing sources) and decreases (expenditures and other financing uses) in net current assets. Under the modified accrual basis of accounting, revenues are recognized in the accounting period in which they become both measurable and available to finance expenditures of the current period. Measurable means that the amounts can be estimated, or otherwise determined. Available means that the amounts were collected during the reporting period or soon enough thereafter to be available to finance the expenditures accrued for the reporting period. The City uses an availability period of 60 days for all revenues except grants, which use a six-month availability period.

Sales taxes, property taxes, franchise taxes, gas taxes, motor vehicle in-lieu, transient occupancy taxes, grants and interest associated with the current fiscal period are all considered to be susceptible to accrual and so have been recognized as revenues of the current fiscal period to the extent normally collected within the availability period. Other revenue items are considered to be measurable and available when cash is received by the government.

Revenue recognition is subject to the measurable and available criteria for the governmental funds in the fund financial statements. Exchange transactions are recognized as revenues in the period in which they are earned (i.e., the related goods or services are provided). Locally imposed derived tax revenues are recognized as revenues in the period in which the underlying exchange transaction upon which they are based takes place. Imposed non-exchange transactions are recognized as revenues in the period for which they were imposed. If the period of use is not specified, they are recognized as revenues when an enforceable legal claim to the revenues arises or when they are received, whichever occurs first. Government-mandated and voluntary non-exchange transactions have been recognized as revenues when all applicable eligibility requirements have been met.

The Reconciliation of the Fund Financial Statements to the Government-Wide Financial Statements is provided to explain the differences created by the integrated approach of GASB Statement No. 34.

Note 1 – Summary of Significant Accounting Policies (Continued)

B. Basis of Presentation, Accounting and Measurement Focus (Continued)

Governmental Fund Financial Statements (Continued)

The City reports the following major governmental funds:

General Fund - This fund accounts for all revenues and expenditures used to finance the traditional services associated with a municipal government which are not accounted for in the other funds. In Redlands, these services include general government, public safety, culture and recreation, highway and streets, and library.

Public Facilities Development Special Revenue Fund - This fund accounts for the collection and related expenditure of development impact fees restricted for constructing new and upgrading existing public facilities.

Governmental Grants Special Revenue Fund - This fund accounts for the receipt and expenditure of grant monies received from various agencies for general government projects.

Proprietary Fund Financial Statements

Proprietary Fund Financial Statements include a Statement of Net Position, a Statement of Revenues, Expenses and Changes in Fund Net Position, and a Statement of Cash Flows.

A separate column representing internal service funds is also presented in these statements. However, internal service balances and activities have been combined with the governmental activities in the Government-Wide Financial Statements. The City's internal service funds include funds which provide services directly to other City funds.

Proprietary funds are accounted for using the *"economic resources"* measurement focus and the accrual basis of accounting. Accordingly, all assets and liabilities (whether current or noncurrent) are included on the Statement of Net Position. The Statement of Revenues, Expenses and Changes in Fund Net Position presents increases (revenues) and decreases (expenses) in total Net Position. Under the accrual basis of accounting, revenues are recognized in the period in which they are earned while expenses are recognized in the period in which the liability is incurred. In these funds, receivables have been recorded as revenue and provisions have been made for uncollectible amounts.

Operating revenues in the proprietary funds are those revenues that are generated from the primary operations of the fund. All other revenues are reported as non-operating revenues. Operating expenses are those expenses that are essential to the primary operations of the fund. All other expenses are reported as non-operating expenses.

Note 1 – Summary of Significant Accounting Policies (Continued)

B. Basis of Presentation, Accounting and Measurement Focus (Continued)

Proprietary Fund Financial Statements (Continued)

The City reports the following major proprietary funds:

Water Fund - This fund is used to account for the activities of the City's water utility operations, projects, debt service costs, and impact fees of the City.

Disposal Fund - This fund is used to account for the activities of the City's refuse disposal collection operations, projects, debt service costs, and impact fees of the City.

Wastewater Fund - This fund is used to account for the activities of the City's wastewater utility operations, projects, debt service costs, and impact fees of the City.

Internal service fund balances and activities have been combined with governmental activities in the Government-Wide Financial Statements, and are comprised of the following funds:

General Liability Self-Insurance Fund - This fund is used to account for the City's self-insured general and automobile liability programs, which are provided to all City departments and funds.

Information Technology Fund - This fund is used to account for the general maintenance and service of all City computers and phone equipment provided to all City departments.

Workers' Compensation Self-Insurance Fund - This fund is used to account for the City's self-insured Workers' Compensation and General Safety Programs, which are provided to all City departments and funds.

Equipment Maintenance Fund - This fund is used to account for providing ongoing maintenance of all City vehicles and major equipment and to account for vehicle rental services to all City departments.

Utility Billing Fund - This fund is used to account for billing services costs provided for water, sewer, and solid waste.

Payroll Clearing Fund - This fund is used to account for the City's reoccurring payroll obligations.

Fiduciary Fund Financial Statements

Fiduciary fund financial statements include a Statement of Net Position and a Statement of Changes in Fiduciary Net Position. The City's fiduciary funds represent custodial funds and private purpose trust funds. Both custodial funds and the private purpose trust funds are accounted for on the full accrual basis of accounting.

Fiduciary fund types are accounted for according to the nature of the fund. Custodial funds are used to report fiduciary activities that are not required to be reported in pension (and other employee benefit) trust funds, investment trust funds, or private-purpose trust funds. Private-purpose trust funds account for resources of all other trust arrangements in which principal and income benefit individuals, private organizations, or other governments (i.e. unclaimed property/escheat property). They are also used to account for various assessment districts for which the City acts as an agent for debt service activity, as the City is prohibited from levying additional taxes for these districts. Such funds include Community Facilities Districts, which do not have trust agreements with the City.

Note 1 – Summary of Significant Accounting Policies (Continued)

B. Basis of Presentation, Accounting and Measurement Focus (Continued)

Fiduciary Fund Financial Statements (Continued)

The City's private purpose trust fund is a fiduciary fund type used by the City to report assets, liabilities and activities of the Successor Agency to the Redevelopment Agency (Successor Agency) for the City of Redlands. Its results of operations are presented on the Statement of Changes of Fiduciary Net Position.

Successor Agency of the Redevelopment Agency for the City of Redlands

The Redevelopment Obligation Retirement Fund was created to serve as a custodian for the assets and to wind down the affairs of the RDA on February 1, 2012, pursuant to Assembly Bill x1 26. Its purpose is to expeditiously wind down the affairs of the dissolved Redevelopment Agency (RDA). The Successor Agency is a separate public entity from the City, subject to the direction of an oversight board. The City Council serves as the governing board of the Successor Agency. In general, the Successor Agency's assets can only be used to pay enforceable obligations in existence at the date of dissolution (including the completion of any unfinished projects that were subject to legally enforceable contractual commitments). In future fiscal years, the Successor Agency will only be allocated revenue in the amount that is necessary to pay the estimated annual installment payments on enforceable obligations of the former RDA until all enforceable obligations of the former RDA have been paid in full and all assets have been liquidated. Based upon the nature of the Successor Agency's custodial role, the Successor Agency has been included in the accompanying basic financial statements as a private purpose trust fund. In February 2015, the California Department of Finance (Finance) approved the City's revised Long-Range Property Management Plan (LRPMP), with the assets deemed for governmental use and future development.

C. Deferred Outflows and Inflows of Resources

The Statement of Net Position and Balance Sheet – Governmental Funds reports separate sections for Deferred Outflows of Resources, and Deferred Inflows of Resources, when applicable.

Deferred Outflows of Resources represent a consumption of net assets that applies to future period(s) and so will not be recognized as an outflow of resources (expense/ expenditure) until then.

Deferred Inflows of Resources represent an acquisition of net assets that applies to a future period(s) and so will not be recognized as an inflow of resources (revenue) until that time.

D. Cash, Cash Equivalents and Investments

The City pools its available cash for investment purposes. The City considers pooled cash and investment amounts, with original maturities of three months or less, to be cash equivalents.

Investments are reported in the accompanying financial statements at fair value, except for certain investment contracts that are reported at cost because they are not transferable and they have terms that are not affected by changes in market interest rates. Changes in fair value that occur during a fiscal year are recognized as investment income reported for that fiscal year, and may result in negative investment income in the accompanying financial statements. Investment income includes interest earnings, changes in fair value, and any gains or losses realized upon the liquidation, maturity, or sale of investments.

Note 1 – Summary of Significant Accounting Policies (Continued)

D. Cash, Cash Equivalents and Investments (Continued)

Investment income earned by the pooled investments is allocated to the various funds based on each fund's average cash and investment balance, except for investment income associated with funds not legally required to receive pooled investment income which has been assigned to and recorded as revenue of the general fund, as provided by California Government Code Section 53647.

For purposes of the statement of cash flows, amounts reported as cash and cash equivalents, include amounts on deposit in the City pool and any short-term, highly liquid investments that are both readily convertible to known amounts of cash or so near their maturity that they present insignificant risk of changes in value because of changes in interest rates.

Certain disclosure requirements, if applicable, for deposits and investment risks in the following areas:

- Interest rate risk
- Credit risk
  - Overall
  - Custodial credit risk
  - Concentration of credit risk
- Foreign currency risk

In addition, other disclosures are specified including use of certain methods to present deposits and investments, highly sensitive investments, credit quality at year-end and other disclosures.

U.S. GAAP establishes a framework for measuring fair value, and establishes disclosures about fair value measurement. Investments, unless otherwise specified, recorded at fair value in the Statements of Net Position, are categorized based upon the level of judgment associated with the inputs used to measure their fair value.

Levels of inputs are as follows:

Level 1 – Inputs are unadjusted, quoted prices for identical assets or liabilities in active markets at the measurement date.

Level 2 – Inputs, other than quoted prices included in Level 1, which are observable for the assets or liabilities through corroboration with market data at the measurement date.

Level 3 – Unobservable inputs that reflect management's best estimate of what market participants would use in pricing the assets or liabilities at the measurement date.

E. Restricted Cash and Investments

Certain restricted cash and investments are held by fiscal agents for the redemption of bonded debt, for acquisition and construction of capital projects, and to meet bond indenture debt reserve requirements.

Note 1 – Summary of Significant Accounting Policies (Continued)

F. Receivables

Customer or trade receivables are reported as "accounts receivable" and are shown net of an allowance for uncollectible accounts based on historical and management estimates.

Noncurrent portions of long-term receivables (e.g., "notes receivable") due to governmental fund types are reported in their respective balance sheets despite their spending measurement focus. Recognition of governmental fund type revenues represented by noncurrent receivables are deferred until they become current receivables. Noncurrent portions of long-term notes receivable are offset by restricted fund balance in the special revenue funds.

G. Interfund Transactions

Activity between funds that are representative of lending/borrowing arrangements outstanding at the end of the fiscal year are referred to as either "due to/from other funds" or "advances to/from other funds" (i.e., the current portion of interfund loans). Any residual balances outstanding between the governmental activities and business-type activities are reported in the Governmental-Wide Financial Statements as "internal balances."

H. Inventories and prepaid items

Inventory, consisting of expendable supplies, is valued at first in first out basis. The cost of governmental funds inventory is recorded as expenditure at the time the individual inventory is consumed. Prepaid items are recorded at cost. Using the consumption method, prepaid items are recorded as expenditures over the period that service is provided. Reported inventory and prepaid items are equally offset by a fund balance reservation, which indicates that they do not constitute "available spendable resources" even though they are a component of current assets.

I. Leases

Lessee

The City has a policy to recognize a lease liability and a right-to-use lease asset (lease asset) in the government-wide financial statements. The City recognizes lease liabilities with an initial, individual value of $25,000 or more.

At the commencement of a lease, the City initially measures the lease liability at the present value of payments expected to be made during the lease term. Subsequently, the lease liability is reduced by the principal portion of lease payments made.

Lease assets are recorded at the amount of the initial measurement of the lease liabilities and modified by any lease payments made to the lessor at or before the commencement of the lease term, less any lease incentives received from the lessor at or before the commencement of the lease term along with any initial direct costs that are ancillary charges necessary to place the lease assets into service. Lease assets are amortized using the straight-line method over the shorter of the lease term or the useful life of the underlying asset, unless the lease contains a purchase option that the City has determined is reasonably certain of being exercised. In this case, the lease asset is amortized over the useful life of the underlying asset.

Note 1 – Summary of Significant Accounting Policies (Continued)

I. Leases (Continued)

Lessee (Continued)

Key estimates and judgments related to leases include how the City determines (1) the discount rate it uses to discount the expected lease payments to present value, (2) lease term, and (3) lease payments.

- The City uses the interest rate charged by the lessor as the discount rate. When the interest rate charged by the lessor is not provided, the City generally uses its estimated incremental borrowing rate as the discount rate for leases.

- The lease term includes the noncancellable period of the lease. Lease payments included in the measurement of the lease liability are composed of fixed payments and purchase option price that the City is reasonably certain to exercise.

The City monitors changes in circumstances that would require a remeasurement of its lease and will remeasure any lease asset and liability if certain changes occur that are expected to significantly affect the amount of the lease liability.

Lease assets are reported as right to use along with other capital assets and lease liabilities are reported with long-term debt on the statement of net position.

Lessor

The City is a lessor for leases of special purpose facilities, office and commercial space, and land. The City recognizes leases receivable and deferred inflows of resources in the financial statements.

At the commencement of a lease, the City initially measures the lease receivable at the present value of payments expected to be received during the lease term. Subsequently, the lease receivable is reduced by the principal portion of lease payments received. The deferred inflows of resources are initially measured as the initial amount of the lease receivable, adjusted for lease payments received at or before the lease commencement date. Subsequently, the deferred inflows of resources are recognized as revenue over the life of the lease term in a systematic and rational method.

Key estimates and judgments include how the City determines (1) the discount rate it uses to discount the expected lease receipts to present value, (2) lease term, and (3) lease receipts.

- The City uses its estimated incremental borrowing rate as the discount rate for leases.

- The lease term includes the noncancellable period of the lease. Lease receipts included in the measurement of the lease receivable is composed of fixed payments from the lessee.

The City monitors changes in circumstances that would require a remeasurement of its lease and will remeasure the lease receivable and deferred inflows of resources if certain changes occur that are expected to significantly affect the amount of the lease receivable.

Note 1 – Summary of Significant Accounting Policies (Continued)

J. Subscription-Based Information Technology Arrangements (SBITAs)

The City has a policy to recognize a SBITA liability and a right-to-use subscription asset (SBITA asset) in our financial statements with an initial, individual value of $25,000 or more with a subscription term greater than one year.

At the commencement of a subscription, when the subscription asset is placed into service, the SBITA liability is measured at the present value of payments expected to be made during the subscription term. Future subscription payments are discounted using the City's incremental borrowing rate and the City recognizes amortization of the discount on the subscription liability as interest expense in subsequent financial reporting periods.

SBITA assets are measured as the sum of the initial subscription liability, payments made to the SBITA vendor before the commencement of the lease term, and capitalizable implementation costs less any incentives received from the SBITA vendor at or before the commencement of the subscription term. Subscription assets are amortized using the straight-line method over the subscription term.

Key estimates and judgments related to SBITAs include how the City determines (1) the discount rate it uses to discount the expected subscription payments to present value, (2) subscription term, and (3) subscription payments.

- The City uses the interest rate charged by the SBITA vendor as the discount rate. When the interest rate charged by the SBITA vendor is not provided, the City generally uses its estimated incremental borrowing rate as the discount rate for SBITAs.

- The subscription term includes the period during which the City has a noncancelable right to use the underlying IT asset. The subscription term also includes periods covered by an option to extend if it is reasonably certain to be exercised.

- Subscription payments included in the measurement of the subscription liability are composed of fixed payments and purchase option years that the City is reasonably certain to exercise. The City monitors changes in circumstances that would require a remeasurement of a subscription and will remeasure any subscription asset and liability if certain changes occur that are expected to significantly affect the amount of the subscription liability.

Right-to-use subscription assets are reported along with other capital assets and subscription liabilities are reported with long-term debt on the statement of net position.

K. Capital Assets

Capital assets, which include land, rights of way, structures, equipment, and infrastructure assets, the right to use leased equipment, and infrastructure assets, are reported in the applicable governmental or business-type activities columns in the government-wide financial statements. Such assets are recorded at historical cost (except for intangible right-to-use lease assets) or estimated historical cost if purchased or constructed. Donated assets are valued at the fair value of the assets on the date on which they were contributed. Donated works of art and similar items, and capital assets received in a service concession arrangement are reported at acquisition value rather than fair value. The costs of normal maintenance and repairs that do not add to the value of the asset or materially extend assets lives are not capitalized. The City utilizes a capitalization threshold of $5,000 depending on asset type.

Note 1 – Summary of Significant Accounting Policies (Continued)

K. Capital Assets (Continued)

Major capital outlay for capital assets and improvements are capitalized as projects are constructed. For debt-financed capital assets, interest incurred during the construction phase is reflected in the capitalization value of the asset constructed, net of interest earned on the invested proceeds over the same period. Capital assets acquired through lease obligations are valued at the present value of future lease payments at the date acquired. Contributed capital assets are valued at their estimated acquisition value at the date of contribution.

Capital assets used in operations are depreciated over their estimated useful lives using the straight-line method in the government-wide financial statements and in the fund financial statements of the proprietary funds.

Depreciation is charged as an expense against operations and accumulated depreciation is reported on the respective balance sheet. The range of lives used for depreciation purposes for each capital asset class is as follows:

Asset Type	Years
Infrastructure	20-75
Buildings and improvement	10-40
Machinery, equipment, and vehicles	3-25
Lease and subscription assets	Contract term

L. Long-Term Debt

Government-Wide Financial Statements and Proprietary Fund Financial Statements

Long-term debt and other financial obligations are reported as liabilities in the appropriate funds. Bond premiums and discounts are deferred and amortized over the life of the bonds using straight line method. Bonds payable are reported net of the applicable premium or discount. Issuance costs are expensed when incurred. Gains or losses on bond refunding are reported as either deferred outflows of resources or deferred inflows of resources and amortized over the term of the related debt.

Governmental Fund Financial Statements

The governmental fund financial statements do not present long-term debt but are shown in the Reconciliation of the Governmental Funds Balance Sheet to the Government-Wide Statement of Net Position. Governmental fund types recognize bond premiums and discounts during the current period. The face amount of debt issued is reported as other financing sources. Premiums received on debt issuances are reported as other financing sources while discounts on debt issuances are reported as other financing uses. Debt issuance costs, whether or not withheld from the actual debt proceeds received, are reported as debt service expenditures.

Note 1 – Summary of Significant Accounting Policies (Continued)

M. Compensated Absences

A total of 10 to 25 days of vacation and 12 days of sick leave per year may be accumulated by each employee. The City accrues a liability for compensated absences which meets the following criteria:

1) The City's obligation relating to employees' rights to receive compensation for future absences is attributable to employees' services already rendered.
2) The obligation relates to rights that vest or accumulate. Payment of the compensation is probable.
3) The amount can be reasonably estimated.

Government-Wide Financial Statements

For governmental and business-type activities, compensated absences are recorded as expenses when earned.

Fund Financial Statements

For governmental funds, compensated absences are recorded as expenditures in the year paid. The General Fund is typically used to liquidate compensated absences. In proprietary funds, compensated absences are expensed to the various funds in the period they are earned, and such fund's share of the unpaid liability is recorded as a long-term liability of the fund.

N. Claims and Judgments Payable

The short-term and long-term workers' compensation claims liability is reported in the Workers' Compensation Insurance Internal Service Fund. The short-term and long-term general claims liability is reported in the Comprehensive Liability Insurance Internal Service Fund. The short-term liability which will be liquidated with current financial resources is the amount of settlement reached, but unpaid, related to claims and judgments entered. Under the modified accrual basis, the following revenue sources are considered to be susceptible to accrual: property taxes, sales taxes, federal and state grants.

O. Pension Plans

For purposes of measuring the net pension liability, deferred outflows of resources and deferred inflows of resources related to pensions, and pension expense, information about the fiduciary net position of the plans and additions to/deductions from the plans' fiduciary net position have been determined on the same basis as they are reported by the plans (Note 11. For this purpose, benefit payments (including refunds of employee contributions) are recognized when due and payable in accordance with benefit terms. Investments are reported at fair value. The General Fund and Internal Service Funds are typically used to liquidate the pension liability related to the City's governmental activities while the pension liability for Business-type activities is liquidated from the respective Enterprise Funds.

The following timeframes are used for pension reporting:

Valuation date	June 30, 2021
Measurement date	June 30, 2022
Measurement period	July 1, 2021 to June 30, 2022

Note 1 – Summary of Significant Accounting Policies (Continued)

O. Pension Plans (Continued)

Gains and losses related to changes in total pension liability and fiduciary net position are recognized in pension expense systematically over time. The first amortized amounts are recognized in pension expense for the year the gain or loss occurs. The remaining amounts are categorized as deferred outflows and deferred inflows of resources related to pensions and are to be recognized in future pension expense. The amortization period differs depending on the source of the gain or loss. The difference between projected and actual earnings is amortized straight-line over 5 years. All other amounts are amortized straight-line over the average expected remaining service lives of all members that are provided with benefits (active, inactive, and retired) as of the beginning of the measurement period.

P. Other Postemployment Benefits (OPEB)

For purposes of measuring the net OPEB liability, deferred outflows of resources and deferred inflows of resources related to OPEB, and OPEB expense, information about the fiduciary net position of the OPEB plan, the assets of which are held in an irrevocable trust, and additions to/deductions from the OPEB plan's fiduciary net position have been determined by an independent actuary (Note 12). For this purpose, benefit payments are recognized when currently due and payable in accordance with the benefit terms. Investments are reported at fair value. The General Fund and Internal Service Funds are typically used to liquidate the OPEB liability related to the City's governmental activities while the OPEB liability for Business-type activities is liquidated from the respective Enterprise Funds.

Generally accepted accounting principles require that the reported results must pertain to liability and fiduciary net position information within certain defined timeframes. For this report, the following timeframes are used:

Valuation date	June 30, 2021
Measurement date	June 30, 2022
Measurement period	July 1, 2021 to June 30, 2022

Q. Encumbrances

Encumbrance accounting, under which purchase orders, contracts and other commitments for the expenditure of monies are recorded in order to reserve that portion of the applicable appropriation, is employed as an extension of formal budgetary control in the governmental funds.

R. Fund Balances

In the Governmental Fund Financial Statements, fund balances are classified in the following categories:

Nonspendable – Items cannot be spent because they are not in spendable form, such as prepaid items and inventories, items that are legally or contractually required to be maintained intact, such as principal of an endowment or revolving loan funds.

Restricted – Restricted fund balances encompass the portion of net fund resources subject to externally enforceable legal restrictions. This includes externally imposed restrictions by creditors, such as through debt covenants, grantors, contributors, laws or regulations of other governments, as well as restrictions imposed by law through constitutional provisions or enabling legislation.

Note 1 – Summary of Significant Accounting Policies (Continued)

R. Fund Balances (Continued)

Committed – Committed fund balances encompass the portion of net fund resources, the use of which is constrained by limitations that the government imposes upon itself at its highest level of decision making (normally the governing body) and that remain binding unless removed in the same manner. The County Council is considered the highest authority for the City. A City Council resolution is required to have fund balance committed.

Assigned – Assigned fund balances encompass the portion of net fund resources reflecting the government's intended use of resources. Assignment of resources can be done by the highest level of decision making or by a committee or official designated for that purpose. The City Council has not delegated the authority to assign fund balance to management.

Unassigned – This category is for any balances that have no restrictions placed upon them. The General Fund is the only fund that reports a positive unassigned fund balance amount. In other governmental funds it is not appropriate to report a positive unassigned fund balance amount. However, in governmental funds other than the General Fund, if expenditures incurred for specific purposes exceed the amounts that are restricted, committed, or assigned to those purposes, it may be necessary to report a negative unassigned fund balance in that fund.

Fund Balance Flow Assumptions

Sometimes the City will fund outlays for a particular purpose from both restricted and unrestricted resources (the total of committed, assigned and unassigned fund balance). In order to calculate the amounts to report as restricted and unrestricted, a flow assumption must be made about the order in which the resources are considered to be applied. It is the City's policy to consider restricted fund balance to have been depleted before using any of the components of unrestricted fund balance. Further, when the components of unrestricted fund balance can be used for the same purpose, committed fund balance is depleted first, followed by assigned and then unassigned fund balance.

Net Position Flow Assumption

Sometimes the City will fund outlays for a particular purpose from both restricted (e.g., restricted bond or grant proceeds) and unrestricted resources. In order to calculate the amounts to report as restricted – net position and unrestricted – net position in the government-wide and proprietary fund financial statements, a flow assumption must be made about the order in which the resources are considered to be applied. It is the City's policy to consider restricted – net position to have been depleted before unrestricted – net position is applied.

Stabilization Arrangement

As described in Chapter 3.06 of the Municipal Code, the City has established a stabilization arrangement committing a minimum of 12 percent of the sum of the General Fund's operating expenses and operating transfers out. The balance at June 30, 2023, is $9,794,310 and is included in committed fund balance. These funds may be used only when the City is faced with an unforeseen or uncontrollable event which includes but is not limited to:

1) Local revenue shortfalls due to a major business closure or relocation.
2) Legislative or judicial mandates to provide new or expanded services or programs that, in total, cost the City $200,000 or more.
3) Natural and civil disasters such as earthquakes, fires, floods, riots and health epidemics.

Note 1 – Summary of Significant Accounting Policies (Continued)

S. Net Position

For the Government-Wide Financial Statements, net position is classified in the following categories:

Net Investment in Capital Assets component of net position consists of capital assets, net of accumulated depreciation and amortization and reduced by any debt outstanding and any deferred outflows/inflows of resources related to such borrowings that are attributable to the acquisition, construction or improvement of those assets. If there are significant unspent related debt proceeds at year-end, the portion of the debt attributable to the unspent proceeds is not included in the calculation of net investment in capital assets. Rather, that portion of the debt is offset by unspent proceeds.

Restricted component of net position consists of restricted assets reduced by liabilities and deferred inflows of resources related to those assets.

Unrestricted component of net position is the amount of the assets, deferred outflows of resources, liabilities, and deferred inflows of resources that are not included in the determination of net investment in capital assets or the restricted component of net position.

When both restricted and unrestricted resources are available for use, the City's policy is to use restricted resources first, then unrestricted resources that are needed.

T. Property Taxes

With the passage of Proposition 13 in 1978 (Article XIIIA, California State Constitution), property taxes are limited to one percent of market value, plus additional taxes for repayment of existing or subsequent voter- approved indebtedness. Under Article XIIIA, the market value of taxable property is subject to a maximum annual increase of two percent. Market value may be appraised at significantly more than two percent depending on other factors such as improvements, sale or change of ownership. The City receives a portion of the one percent general tax levy which is shared by several other local governments including the county and the school district. The City's share is based on a formula prescribed in Section 26912(b) of the Government Code. The county apportions property taxes to the City on a scheduled basis which generally adheres to the actual tax collection periods. The tax lien date is January 1 of each year and covers the ensuing fiscal year's tax returns. The tax levy date is from July 1 to June 30 of each year. The first installment becomes due on November 1 with penalties and interest accruing after December 10. The second installment is due no later than April 10.

U. Use of Accounting Estimates

The preparation of financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions, in some cases when applicable, that affect the amounts in the financial statements and the accompanying notes. Actual results could differ from the estimates.

V. Implementation of New GASB Pronouncements for the Year Ended June 30, 2023

The requirements of the following accounting standards are effective for the purpose of implementation, if applicable to the City, for the year ended June 30, 2023. The financial statements included herein apply the requirements and provisions of these statements, including necessary retroactive adjustments to financial statement classifications and presentations.

Note 1 – Summary of Significant Accounting Policies (Continued)

V. Implementation of New GASB Pronouncements for the Year Ended June 30, 2023 (Continued)

GASB Statement No. 91

In May 2019, GASB issued Statement No. 91, *Conduit Debt Obligations.* The primary objectives of this Statement are to provide a single method of reporting conduit debt obligations by issuers and eliminate diversity in practice associated with (1) commitments extended by issuers, (2) arrangements associated with conduit debt obligations, and (3) related note disclosures. This Statement achieves those objectives by clarifying the existing definition of a conduit debt obligation; establishing that a conduit debt obligation is not a liability of the issuer; establishing standards for accounting and financial reporting of additional commitments and voluntary commitments extended by issuers and arrangements associated with conduit debt obligations; and improving required note disclosures. Implementation of this Statement did not have a significant effect on the City's financial statements for the fiscal year ended June 30, 2023.

GASB Statement No. 94

In March 2020, GASB issued Statement No. 94, *Public-Private and Public-Public Partnerships and Availability Payment Arrangements.* The primary objective of this Statement is to improve financial reporting by addressing issues related to public-private and public-public partnership arrangements (PPPs). As used in this Statement, a PPP is an arrangement in which a government (the transferor) contracts with an operator (a governmental or nongovernmental entity) to provide public services by conveying control of the right to operate or use a nonfinancial asset, such as infrastructure or other capital asset (the underlying PPP asset), for a period of time in an exchange or exchange-like transaction. Implementation of this statement did not have a significant effect on the City's financial statements for the fiscal year ended June 30, 2023.

GASB Statement No. 96

In May 2020, GASB issued Statement No. 96, *Subscription-Based Information Technology Arrangements.* This Statement provides guidance on the accounting and financial reporting for subscription-based information technology arrangements (SBITAs) for government end users (governments). This Statement (1) defines a SBITA; (2) establishes that a SBITA results in a right-to-use subscription asset—an intangible asset—and a corresponding subscription liability; (3) provides the capitalization criteria for outlays other than subscription payments, including implementation costs of a SBITA; and (4) requires note disclosures regarding a SBITA. Implementation of this Statement had a moderate effect on the City 's financial statements for the fiscal year ended June 30, 2023.

GASB Statement No. 99

In April 2022, GASB issued Statement No. 99, *Omnibus 2022*. The objectives of this Statement are to enhance comparability in accounting and financial reporting and to improve the consistency of authoritative literature by addressing (1) practice issues that have been identified during implementation and application of certain GASB Statements and (2) accounting and financial reporting for financial guarantees. Implementation of this Statement did not have a significant effect on the City's financial statements for the fiscal year ended June 30, 2023.

Note 1 – Summary of Significant Accounting Policies (Continued)

W. Upcoming Government Accounting Standards Implementations

The City is currently analyzing its accounting practices to determine the potential impact on the financial statements for the following GASB statements:

GASB Statement No. 100

In June 2022, GASB issued Statement No. 100, *Accounting Changes and Error Corrections – an Amendment of GASB Statement No. 62*. The primary objective of this Statement is to enhance accounting and financial reporting requirements for accounting changes and error corrections to provide more understandable, reliable, relevant, consistent, and comparable information for making decisions or assessing accountability. Application of this statement is effective for the City's fiscal year ending June 30, 2024.

GASB Statement No. 101

In June 2022, GASB issued Statement No. 101, *Compensated Absences*. The objective of this Statement is to better meet the information needs of financial statement users by updating the recognition and measurement guidance for compensated absences. That objective is achieved by aligning the recognition and measurement guidance under a unified model and by amending certain previously required disclosures. Application of this statement is effective for the City's fiscal year ending June 30, 2025.

Note 2 – Cash and Investments

Cash and investments are presented in the accompanying financial statements at June 30, 2023 as follows:

	Government-Wide Statement of Net Position			Fiduciary Funds Statement of Net Position	Total
	Governmental Activities	Business-Type Activities	Total		
Cash and investments	$ 150,768,235	$ 104,839,989	$ 255,608,224	$ 650	$ 255,608,874
Cash and investments with fiscal agent	257,351	2,096,523	2,353,874	3,100,097	5,453,971
Total cash and investments	$ 151,025,586	$ 106,936,512	$ 257,962,098	$ 3,100,747	$ 261,062,845

Cash and investments at June 30, 2023, consisted of the following:

Cash:	
Cash on hand	$ 4,000
Deposits with financial institutions	46,149,767
Total cash	46,153,767
Investments:	
Investments	209,455,107
Investments held by bond trustee	5,453,971
Total investments	214,909,078
Total cash and investments	$ 261,062,845

The City maintains a cash and investment pool for all funds. Certain restricted funds that are held and invested by independent outside custodians through contractual agreements are not pooled. These restricted funds include cash and investment held by trustees.

Note 2 – Cash and Investments (Continued)

A. Demand Deposits

The carrying amounts of the City's demand deposits were $46,149,767 at June 30, 2023. Bank balances were $48,335,400 at that date, the total amount of which was collateralized or insured with securities held by the pledging financial institutions in the City's name as discussed below.

The California Government Code requires California banks and savings and loan associations to secure the City's cash deposits by pledging securities as collateral. This Code states that collateral pledged in this manner shall have the effect of perfecting a security interest in such collateral superior to those of a general creditor. Thus, collateral for cash deposits is considered to be held in the City's name.

The fair value of pledged securities must equal at least 110% of the City's cash deposits. California law also allows institutions to secure City's deposits by pledging first trust deed mortgage notes having a value of 150% of the City's total cash deposits. The City may waive collateral requirements for cash deposits, which are fully insured up to $250,000 by the Federal Deposit Insurance Corporation ("FDIC"). The City, however, has not waived the collateralization requirements.

The City follows the practice of pooling cash and investments of all funds, except for funds required to be held by fiscal agents under the provisions of bond indentures. Interest income earned on pooled cash and investments is allocated to the various funds based on the period-end cash and investment balances. Interest income from cash and investments with fiscal agents is credited directly to the related fund.

B. Investments Authorized by the California Government Code and the City's Investment Policy

The table below identifies the investment types that are authorized for the City by the California Government Code and the City's investment policy. The table also identifies certain provisions of the California Government Code (or the City's investment policy, if more restrictive) that address interest rate risk and concentration of credit risk. This table does not address investments of debt proceeds held by bond trustees that are governed by the provisions of debt agreements of the City, rather than the general provisions of the California Government Code or the City's investment policy.

Note 2 – Cash and Investments (Continued)

B. Investments Authorized by the California Government Code and the City's Investment Policy (Continued)

Authorized Investment Types	Authorized By Investment Policy	Maximum Maturity	Maximum Percentage of Portfolio	Maximum Investment in One Issuer*
Local Agency Bonds	No	5 years	None	None
U.S. Treasury Obligations	Yes	5 years	None	None
U.S. Agency Securities	Yes	5 years	None	None
Banker's Acceptances	Yes	180 days	40%	30%
Commercial Paper	Yes	270 days	15%	10%
Negotiable Certificates of Deposit	Yes	5 years	30%	30%
Repurchase Agreements	Yes	7 days	None	None
Reverse Repurchase Agreements	No	92 days	None	None
Medium-Term Notes	Yes	5 years	15%	15%
Mutual Funds	Yes	N/A	10%	10%
Money Market Mutual Funds	Yes	N/A	10%	10%
Mortgage Pass-Through Securities	No	5 years	None	None
County Pooled Investment Funds	No	N/A	None	None
Local Agency Investment Fund (LAIF)	Yes	N/A	$75 Million**	None
JPA Pools (other investment pools)	Yes	N/A	None	None

* Based on state law requirements or City investment policy requirements, whichever is more restrictive.

** Limit set by LAIF governing Board not California Government Code

In accordance with the City's investment policy, a maximum of 25% of the City's investment portfolio may be invested for more than 5 years, not to exceed 10 years.

C. Investments Authorized by Debt Agreements

Investments of debt proceeds held by fiscal agent are governed by provisions of the debt agreements, rather than the general provisions of the California Government Code or the City's investment policy. The table below identifies the investment types that are authorized for investments held by fiscal agent. The table also identifies certain provisions of these debt agreements that address interest rate risk and concentration of credit risk.

Authorized Investment Types	Maximum Maturity	Maximum Percentage Allowed	Maximum Percentage of Portfolio	Maximum Investment in One Issuer
U.S. Treasury Obligations	5 years	None	None	None
U.S. Agency Securities	5 years	None	None	None
Banker's Acceptances	180 days	40%	30%	30%
Commercial Paper	270 days	15%	15%	15%
Money Market Mutual Funds	N/A	None	None	None
Investment Contracts	30 years	None	None	None

Note 2 – Cash and Investments (Continued)

D. Fair Value Measurement

At June 30, 2023, investments, excluding restricted cash and investments held by fiscal agent, are reported at fair value based on quoted market prices. The following table presents the fair value measurements of investments recognized in the accompanying Statement of Net Position measured at fair value on a recurring basis and the level within GASB 72 fair value hierarchy in which the fair value measurements fall at June 30, 2023:

Investments measured by fair value level:	Total at June 30, 2023	Level 1	Level 2
Federal Agency Securities	$ 114,320,022	$ -	$ 114,320,022
Corporate Bonds	35,212,725	-	35,212,725
Negotiable Certificates of Deposit	16,337,129	-	16,337,129
Municipal Bonds	14,172,843	-	14,172,843
U.S. Treasury Notes	8,415,570	8,415,570	-
Total investments by fair value level	188,458,289	$ 8,415,570	$ 180,042,719
Investments not subject to the fair value hierarchy:			
Local Agency Investment Fund	20,996,818		
Money market mutual funds	5,453,971		
Total investments not subject to the fair value hierarchy	26,450,789		
Total investments	$ 214,909,078		

Debt and equity securities classified in Level 2 are valued using the following approaches:

- U.S. Treasuries, U.S. Agencies, and Commercial Paper: quoted prices for identical securities in markets that are not active;
- Medium term notes: quoted prices for similar securities in active markets; and
- Asset-backed securities: recent appraisals of the asset value.

E. Risk Disclosure

Disclosures Relating to Interest Rate Risk

Interest rate risk is the risk that changes in market interest rates will adversely affect the fair value of an investment. Generally, the longer the maturity of an investment, the greater the sensitivity of its fair value to changes in market interest rates. One of the ways that the City manages its exposure to interest rate risk is by purchasing a combination of shorter term and longer-term investments and by timing cash flows from maturities so that a portion of the portfolio is maturing or coming close to maturity evenly over time as necessary to provide the cash flow and liquidity needed for operations.

Information about the sensitivity of the fair values of the City's investments (including investments held by fiscal agent) to market interest rate fluctuations is provided by the following table that shows the distribution of the City's investments by maturity:

Note 2 – Cash and Investments (Continued)

E. Risk Disclosure (Continued)

Disclosures Relating to Interest Rate Risk (Continued)

Investment Type	12 Months or less	13 to 24 Months	25 to 36 Months	37 to 48 Months	More than 48 Months	Total
Held by City:						
Federal Agency Securities	$ 13,719,510	$ 24,508,938	$ 32,295,797	$ 30,648,593	$ 13,147,184	$ 114,320,022
Corporate Bonds	9,713,680	10,494,280	7,348,678	4,791,587	2,864,500	35,212,725
Negotiable Certificates of Deposit	3,423,446	3,989,839	3,459,566	3,001,933	2,462,346	16,337,130
Municipal Bonds	5,063,212	3,199,174	2,741,727	1,545,129	1,623,600	14,172,842
U.S. Treasury Notes	1,965,500	1,904,060	2,763,710	1,782,300	-	8,415,570
Local Agency Investment Fund	20,996,818	-	-	-	-	20,996,818
Held by Trustees:						
Money Market Funds	5,453,971	-	-	-	-	5,453,971
Total investments	$ 60,336,137	$ 44,096,291	$ 48,609,478	$ 41,769,542	$ 20,097,630	$ 214,909,078

Disclosures Relating to Credit Risk

Generally, credit risk is the risk that an issuer of an investment will not fulfill its obligation to the holder of the investment. This is measured by the assignment of a rating by a nationally recognized statistical rating organization. Presented below is the minimum rating required by the California Government Code, the City's investment policy, or debt agreements, and the actual Moody's rating as of year-end for each investment type.

Investment Type	Total	Minimum Legal Rating	AA+/ AA/AA-	A+/A/A-	AAA/AAAm	Not Rated
Held by City:						
Federal Agency Securities	$114,320,022	N/A	$ 45,202,317	$ -	$ 2,344,425	$ 66,773,280
Corporate Bonds	35,212,725	A	8,788,047	22,645,258	3,779,420	-
Negotiable Certificates of Deposit	16,337,129	N/A	-	-	-	16,337,129
Municipal Bonds	14,172,843	A	11,158,178	916,090	-	2,098,575
Held by Trustee:						
Money Market Funds	5,453,971		-	-	-	5,453,971
Total Rated Investments	185,496,690		$ 65,148,542	$ 23,561,348	$ 6,123,845	$ 90,662,955
Not rated:						
Local Agency Investment Fund	20,996,818	N/A				
Exempt from credit rating disclosure:						
U.S. Treasury Notes	8,415,570	N/A				
Total investments	$214,909,078					

Note 2 – Cash and Investments (Continued)

E. Risk Disclosure (Continued)

Disclosure Relating to Concentration of Credit Risk

The investment policy of the City contains no limitations on the amount that can be invested in any one issuer beyond that stipulated by the California Government Code. Investments in any one issuer (other than U.S. Treasury securities, mutual funds, and external investment pools) that represent 5 percent or more of total City investments are as follows:

Issuer	Investment Type	Reported Amount	Percentage of Portfolio
Federal Home Loan Bank	Federal Agency Securities	$ 64,367,409	29.95%
Federal Home Loan Mortgage Corporation	Federal Agency Securities	22,022,561	10.25%
Federal Farm Credit Bank	Federal Agency Securities	16,953,450	7.89%

Disclosures Relating to Custodial Credit Risk

Custodial credit risk for *deposits* is the risk that, in the event of the failure of a depository financial institution, a government will not be able to recover its deposits or will not be able to recover collateral securities that are in the possession of an outside party. The custodial credit risk for *investments* is the risk that, in the event of the failure of the counterparty (e.g., broker-dealer) to a transaction, a government will not be able to recover the value of its investment or collateral securities that are in the possession of another party. The California Government Code and the City's investment policy do not contain legal or policy requirements that would limit the exposure to custodial credit risk for deposits or investments, other than the following provision for deposits: The California Government Code requires that a financial institution secure deposits made by state or local governmental units by pledging securities in an undivided collateral pool held by a depository regulated under state law (unless so waived by the governmental unit). The fair value of the pledged securities in the collateral pool must equal at least 110% of the total amount deposited by the public agencies. California law also allows financial institutions to secure City deposits by pledging first trust deed mortgage notes having a value of 150% of the secured public deposits. At June 30, 2023, the City's deposits (bank balances) were collateralized under California Law.

F. Investment in State Investment Pool

The City is a participant in the Local Agency Investment Fund ("LAIF") which is regulated by California Government Code Section 16429 under the oversight of the Treasurer of the State of California. The City's investments in LAIF at June 30, 2023 included a portion of pool funds invested in Structure Notes and Asset-Backed Securities:

Structured Notes are debt securities (other than asset-backed securities) whose cash-flow characteristics (coupon rate, redemption amount, or stated maturity) depend upon one or more indices and/or that have embedded forwards or options.

Asset-Backed Securities, the bulk of which are mortgage-backed securities, entitle their purchasers to receive a share of the cash flows from pool of assets such as principal and interest repayments from a pool of mortgages (such as Collateralized Mortgage Obligations) or credit card receivables.

Note 2 – Cash and Investments (Continued)

F. Investment in State Investment Pool (Continued)

As of June 30, 2023, the City had $20,996,818 invested in LAIF, which had invested 2.78% of the pool investment funds in Structured Notes and Asset-Back Securities. LAIF determines fair value on its investment portfolio based on market quotations for those securities where market quotations are readily available and based on amortized cost or best estimate for those securities where fair value is not readily available. The City valued its investments in LAIF as of June 30, 2023, by multiplying its account balance with LAIF times a fair value factor determined by LAIF. This fair value factor was determined by dividing all LAIF participants' total aggregate amortized cost by total aggregate fair value. The fair value of the City's position in the pool is the same as the value of the pool shares. The credit quality rating of LAIF is unrated as of June 30, 2023.

Note 3 – Lease Receivable

A. Governmental Activities

The portion of the City's property is leased to others. Such property includes special purpose facilities, office and commercial space, and land. Lease receivable consists of agreements with other for the right-to-use of the underlying assets at various locations owned by the City. The terms of the arrangements range from 1 to 30 years. The calculated interest rates used vary depending on the length of the lease. For the fiscal year ended June 30, 2023, the City recognized $1,396,611 in lease revenue and $53,742 in interest revenue.

A summary of changes in lease receivable for the fiscal year ended June 30, 2023 is as follows:

	Balance July 1, 2022	Additions	Deletions	Balance June 30, 2023	Classification: Due within One Year	Classification: Due in More Than One Year
Leases receivable	$ 5,867,414	$ 163,676	$ (1,585,891)	$ 4,445,199	$ 1,107,155	$ 3,338,044
Total	$ 5,867,414	$ 163,676	$ (1,585,891)	$ 4,445,199	$ 1,107,155	$ 3,338,044

As of June 30, 2023, the required payments for these leases, including interest, are:

Year Ending June 30,	Principal	Interest	Total
2024	$ 1,107,155	$ 45,932	$ 1,153,087
2025	861,590	38,645	900,235
2026	639,767	32,111	671,878
2027	329,902	27,595	357,497
2028	246,507	24,194	270,701
2029-2033	523,492	90,896	614,388
2034-2038	394,263	51,905	446,168
2039-2043	342,523	15,920	358,443
Total	$ 4,445,199	$ 327,198	$ 4,772,397

Note 3 – Lease Receivable (Continued)

A. Governmental Activities (Continued)

As of June 30, 2023, the amounts reported as deferred inflows of resources will be recognized as lease revenue as follows:

Year Ending June 30,	Amortization Schedule
2024	$ 1,129,215
2025	862,259
2026	631,858
2027	331,649
2028	245,400
2029-2033	587,735
2034-2038	257,200
2039-2043	213,366
Total	$ 4,258,682

B. Business-Type Activities

The portion of the City's property is leased to others. Such property includes special purpose facilities, office and commercial space, and land. Lease receivable consists of agreements with other for the right-to-use of the underlying assets at various locations owned by the City. The terms of the arrangements range from 2 to 30 years. The calculated interest rates used vary depending on the length of the lease. For the fiscal year ended June 30, 2023, the City recognized $269,551 in lease revenue and $47,305 in interest revenue.

A summary of changes in lease receivable for the fiscal year ended June 30, 2023 is as follows:

	Balance July 1, 2022	Additions	Deletions	Balance June 30, 2023	Classification: Due within One Year	Classification: Due in More Than One Year
Leases receivable	$ 2,848,805	$ -	$ (225,028)	$ 2,623,777	$ 229,628	$ 2,394,149
Total	$ 2,848,805	$ -	$ (225,028)	$ 2,623,777	$ 229,628	$ 2,394,149

As of June 30, 2023, the required payments for these leases, including interest, are:

Year Ending June 30,	Principal	Interest	Total
2024	$ 229,628	$ 43,981	$ 273,609
2025	227,499	40,580	268,079
2026	216,649	37,180	253,829
2027	230,833	33,631	264,464
2028	236,592	29,924	266,516
2029-2033	587,533	106,672	694,205
2034-2038	233,508	79,107	312,615
2039-2043	310,478	51,928	362,406
2044-2048	351,057	16,478	367,535
Total	$ 2,623,777	$ 439,481	$ 3,063,258

Note 3 – Lease Receivable (Continued)

B. Business-Type Activities (Continued)

As of June 30, 2023, the amounts reported as deferred inflows of resources will be recognized as lease revenue as follows:

Year Ending June 30,	Amortization Schedule
2024	$ 269,551
2025	262,776
2026	242,451
2027	242,451
2028	242,451
2029-2033	654,520
2034-2038	185,005
2039-2043	231,256
2044-2048	204,277
Total	$ 2,534,738

Note 4 – Interfund Receivables, Payables, and Transfers

A. Due To / From Other Funds

At June 30, 2023, the City reported a short term cash flow borrowing of $641,625 between the General Fund and the Transportation Development Act Special Revenue Fund to cover deficit cash positions.

B. Advance From / From Other Funds

As of June 30, 2023, advances to/from other funds were as follows:

Advances To	Advances From	Amount
General Fund	Public Facilities Development Special Revenue Fund	$ 7,690,541
Water Enterprise Fund	Public Facilities Development Special Revenue Fund	16,091
Water Enterprise Fund	Cemetery Enterprise Fund	613,912
Solid Waste Enterprise Fund	Aviation Enterprise Fund	737,613
	Total	$ 9,058,157

The General Fund has advanced the Public Facilities Development Fund $7,690,541 to provide funding for capital expenditures and debt service for capital facilities. The balance will be repaid through future development impact fee collections. An additional advance was made to the Public Facilities Fund to assist in debt service payments on the COP's. At June 30, 2023, this advance was from the Water Fund for $16,091.

The Water Enterprise Fund and Solid Waste Enterprise Fund advanced the Cemetery and Aviation Enterprise Funds a total of $1,351,525 to provide funding for capital expenditures.

Note 4 – Interfund Receivables, Payables, and Transfers (Continued)

C. Transfers

Interfund transfers during the year ended June 30, 2023, consisted of the following:

Transfers In	Transfers Out		Amount	Purpose
General Fund	State Gas Tax Special Revenue Fund		$ 1,820,881	Capital projects
General Fund	Traffic Safety Special Revenue Fund		135,579	Program subsidy
General Fund	Water Enterprise Fund		253,614	Program subsidy
General Fund	Disposal Enterprise Fund		62,387	Program subsidy
General Fund	Wastewater Service Enterprise Fund		26,738	Program subsidy
General Fund	Information Technology Internal Service Fund		7,994	Fixed Asset Transfer
		Subtotal	2,307,193	
Governmental Grants Special Revenue Fund	General Fund		97	Program subsidy
Emergency Service Special Revenue Fund	General Fund		4,152,246	Program subsidy
Downtown Redlands Business Area Special Revenue Fund	General Fund		104,064	Program subsidy
Parking Authority Special Revenue Fund	General Fund		11,463	Program subsidy
Landscape Maintenance District Special Revenue Fund	General Fund		7,344	Program subsidy
Wastewater Service Enterprise Fund	General Fund		21,450	Capital projects
Groves Enterprise Fund	General Fund		64,850	Capital projects
General Liability Self-Insurance Internal Service Fund	General Fund		4,576,046	Reserve funding
		Subtotal	8,937,560	
PARIS Special Revenue Fund	State Gas Tax Special Revenue Fund		1,594,984	Capital projects
PARIS Special Revenue Fund	Measure I Special Revenue Fund		588,713	Capital projects
PARIS Special Revenue Fund	Water Enterprise Fund		102,412	Capital projects
PARIS Special Revenue Fund	Disposal Enterprise Fund		2,051,020	Capital projects
PARIS Special Revenue Fund	Wastewater Service Enterprise Fund		17,088	Capital projects
		Subtotal	4,354,217	
Groves Enterprise Fund	CFD 2004-1 Assessment Special Revenue Fund		134,122	Capital projects
Groves Enterprise Fund	Disposal Enterprise Fund		93,877	Capital projects
		Subtotal	227,999	
General Liability Self-Insurance Internal Service Fund	Water Enterprise Fund		200,000	Reserve funding
General Liability Self-Insurance Internal Service Fund	Disposal Enterprise Fund		50,000	Reserve funding
General Liability Self-Insurance Internal Service Fund	Wastewater Service Fund		200,000	Reserve funding
		Subtotal	450,000	
Water Enterprise Fund	Air Quality Management District Special Revenue Fund		645	Program subsidy
Water Enterprise Fund	Non-Potable Water Enterprise Fund		343,992	Fixed asset transfer
General Debt Service Fund	Payroll Clearing Internal Service Fund		519,146	Debt service - pension bonds
		Total	$ 17,140,752	

Note 5 – Due to City / Due from Fiduciary Fund

At June 30, 2023, the City reported a short term cash flow borrowing of $369,064 between the General Fund and the RDA Successor Agency Private Purpose Trust Fund to cover deficit cash positions.

Note 6 – Capital Assets

A. Governmental Activities

The summary of changes in governmental activities capital assets for the year ended June 30, 2023, is as follows:

	Balance July 1, 2022, as restated	Additions	Deletions	Transfers/ Reclassifications	Balance June 30, 2023
Capital assets, not being depreciated:					
Land	$ 40,956,320	$ -	$ -	$ -	$ 40,956,320
Water rights	408,125	-	-	-	408,125
Right of way	295,304,762	41,800,903	-	-	337,105,665
Construction in progress	7,126,967	7,959,471	-	(3,681,687)	11,404,751
Total capital assets, not being depreciated	343,796,174	49,760,374	-	(3,681,687)	389,874,861
Capital assets, being depreciated:					
Infrastructure	262,936,330	9,575,037	(402,771)	250,521	272,359,117
Building and improvements	60,553,082	989,683	-	305,040	61,847,805
Machinery, equipment and vehicles	22,262,850	1,223,496	(684,925)	3,667,486	26,468,907
Total capital assets, being depreciated	345,752,262	11,788,216	(1,087,696)	4,223,047	360,675,829
Accumulated depreciation:					
Infrastructure	(106,199,699)	(5,881,066)	338,906	-	(111,741,859)
Building and improvements	(21,970,444)	(2,277,307)	-	-	(24,247,751)
Machinery, equipment and vehicles	(18,802,369)	(1,430,603)	684,925	(541,360)	(20,089,407)
Total accumulated depreciation	(146,972,512)	(9,588,976)	1,023,831	(541,360)	(156,079,017)
Total capital assets, being depreciated, net	198,779,750	2,199,240	(63,865)	3,681,687	204,596,812
Lease assets, being amortized:					
Buildings and improvements	53,177	-	-	-	53,177
Machinery, equipment and vehicles	851,536	384,011	-	-	1,235,547
Total lease assets, being amortized	904,713	384,011	-	-	1,288,724
Accumulated amortization:					
Buildings and improvements	(8,863)	(8,863)	-	-	(17,726)
Machinery, equipment and vehicles	(173,849)	(269,387)	-	-	(443,236)
Total accumulated amortization	(182,712)	(278,250)	-	-	(460,962)
Total lease assets, being amortized, net	722,001	105,761	-	-	827,762
Subscription assets being amortized	593,542	-	-	-	593,542
Less: accumulated amortization	-	(228,860)	-	-	(228,860)
Total subscription assets being amortized, net	593,542	(228,860)	-	-	364,682
Total capital assets, net	$ 543,891,467	$ 51,836,515	$ (63,865)	$ -	$ 595,664,117

Depreciation and amortization expense were charged to the functions/programs of the governmental activities as follows:

General government	$ 872,180
Public safety	1,193,953
Culture and recreation	1,246,467
Highway and streets	6,233,943
Internal service funds	549,543
Total depreciation/amortization expense	$ 10,096,086

Note 6 – Capital Assets (Continued)

B. Business-Type Activities

The summary of changes in business-type activities capital assets for the year ended June 30, 2023, is as follows:

	Balance July 1, 2022, as restated	Additions	Deletions	Transfers/ Reclassifications	Balance June 30, 2023
Capital assets, not being depreciated:					
Land	$ 26,667,376	$ 1,401,681	$ -	$ -	$ 28,069,057
Water rights	9,881,460	2,635	-	-	9,884,095
Construction in progress	14,225,414	5,655,727	-	(11,417,543)	8,463,598
Total capital assets, not being depreciated	50,774,250	7,060,043	-	(11,417,543)	46,416,750
Capital assets, being depreciated:					
Infrastructure	199,550,139	3,114,536	-	3,101,869	205,766,544
Building and improvements	113,470,547	874,986	-	8,315,674	122,661,207
Machinery, equipment and vehicles	25,081,193	617,771	(1,061,169)	(541,360)	24,096,435
Total capital assets, being depreciated	338,101,879	4,607,293	(1,061,169)	10,876,183	352,524,186
Accumulated depreciation:					
Infrastructure	(90,358,374)	(3,544,560)	-	-	(93,902,934)
Buildings and improvements	(79,492,726)	(2,973,893)	-	-	(82,466,619)
Machinery, equipment and vehicles	(17,424,073)	(1,719,654)	1,056,211	541,360	(17,546,156)
Total accumulated depreciation	(187,275,173)	(8,238,107)	1,056,211	541,360	(193,915,709)
Total capital assets, being depreciated, net	150,826,706	(3,630,814)	(4,958)	11,417,543	158,608,477
Lease assets, being amortized:					
Buildings and improvements	53,178	-	-	-	53,178
Machinery, equipment and vehicles	94,005	473,907	-	-	567,912
Total lease assets, being amortized	147,183	473,907	-	-	621,090
Accumulated amortization:					
Buildings and improvements	(8,863)	(8,863)	-	-	(17,726)
Machinery, equipment and vehicles	(20,766)	(61,974)	-	-	(82,740)
Total accumulated amortization	(29,629)	(70,837)	-	-	(100,466)
Total lease assets, being amortized, net	117,554	403,070	-	-	520,624
Subscription assets	107,285	-	-	-	107,285
Less: accumulated amortization	-	(55,975)	-	-	(55,975)
Total subscription assets, being amortized, net	107,285	(55,975)	-	-	51,310
Total capital assets, net	$ 201,825,795	$ 3,776,324	$ (4,958)	$ -	$ 205,597,161

Depreciation and amortization expense were charged to the funds of the business-type activities as follows:

Water Fund	$ 4,504,009
Disposal Fund	1,130,634
Wastewater Fund	2,413,125
Groves Fund	29,943
Non-Potable Water Fund	7,329
Cemetery Fund	56,794
Aviation Fund	223,085
Total depreciation/amortization expense	$ 8,364,919

Note 7 – Long-Term Liabilities

A. Governmental Activities

A summary of changes in the long-term liabilities of the governmental activities for the year ended June 30, 2023, is as follows:

	Balance July 1, 2022, as restated	Debt Issued	Debt Retired	Balance June 30, 2023	Classification Due within One Year	Classification Due in More Than One Year
Governmental Activities:						
Public borrowings:						
Taxable Pension Funding Bonds	$ 6,390,000	$ -	$ (1,620,000)	$ 4,770,000	$ 185,000	$ 4,585,000
less: accreted interest	(217,044)	-	54,522	(162,522)	-	(162,522)
Total taxable pension funding bonds	6,172,956	-	(1,565,478)	4,607,478	185,000	4,422,478
Direct borrowings:						
Notes payable:						
I-Bank Sports Park	1,219,286	-	(64,840)	1,154,446	66,882	1,087,564
Finance Purchase Agreements	3,795,681	-	(591,561)	3,204,120	564,780	2,639,340
Total notes payable	5,014,967	-	(656,401)	4,358,566	631,662	3,726,904
Lease liability	724,361	384,011	(276,265)	832,107	326,272	505,835
Subscription liability	404,423	-	(218,994)	185,429	130,269	55,160
Total	$ 12,316,707	$ 384,011	$ (2,717,138)	$ 9,983,580	$ 1,273,203	$ 8,710,377

2007 Taxable Pension Funding Bonds

On August 1, 2007, the City issued $25,862,392 of 2007 Taxable Pension Funding Bonds to refund the City's obligation to PERS, reimburse the City for its payment of a portion of its fiscal year ended 2008 unfunded liability and pay the costs of issuance of the bonds. Interest is payable February 1 and August 1 of each year commencing on February 1, 2008. Interest rate is 5.233 percent with annual principal payments plus accreted value commencing February 1, 2008 through February 1, 2037. The amount outstanding at June 30, 2023, is $4,770,000.

The annual debt service requirements on 2007 Taxable Pension Funding Bonds are as follows:

Year Ending June 30,	Principal	Interest	Total
2024	$ 185,000	$ 207,455	$ 392,455
2025	200,000	207,455	407,455
2026	215,000	207,455	422,455
2027	230,000	207,455	437,455
2028	250,000	207,455	457,455
2029-2033	1,630,000	863,610	2,493,610
2034-2037	2,060,000	257,917	2,317,917
Subtotal	4,770,000	2,158,802	6,928,802
Less: accreted interest	(162,522)	-	(162,522)
Total	$ 4,607,478	$ 2,158,802	$ 6,766,280

Note 7 – Long-Term Liabilities (Continued)

A. Governmental Activities (Continued)

I-Bank Sports Park Note Payable

On December 1, 2006, the City entered into this agreement for the purpose of obtaining additional funds to complete the Sports Park project. The City has agreed to pay the amount over thirty years commencing on the date of the lease, which carries an annual interest rate of 3.15 percent with principal and interest payments due every six months starting August 1, 2007, and the final payment to be made on August 1, 2036. The City pledged the Community Center to obtain this loan with I-Bank. At June 30, 2023, the outstanding balance of the I-Bank Sports Park Lease Liability balance was $1,154,446.

The annual debt service requirements the I-Bank Sports Park Note Payable are as follows:

Year Ending June 30,	Principal	Interest	Total
2024	$ 66,882	$ 35,312	$ 102,194
2025	68,988	33,172	102,160
2026	71,162	30,964	102,126
2027	73,403	28,687	102,090
2028	75,715	26,339	102,054
2029-2033	415,891	93,793	509,684
2034-2037	382,405	24,558	406,963
Total	$ 1,154,446	$ 272,825	$ 1,427,271

Finance Purchase Agreements

The City has entered into various finance purchase agreements for various equipment purchases. These leases qualify as capital leases for accounting purposes and, therefore, have been recorded at the present value of future minimum lease payments as of the date of inception. The assets acquired under capital leases are classified as machinery, equipment and vehicles. The finance purchase agreements carry annual interest rates from 2.58 to 8.12 percent with principal and interest payments due bi-annually. The gross value of equipment acquired under finance purchase agreements at June 30, 2023, was $5,193,092, with an accumulated amortization of $1,988,972. The outstanding balance at June 30, 2023, is $3,204,120.

The annual debt service requirements of the finance purchase agreements are as follows:

Year Ending June 30,	Principal	Interest	Total
2024	$ 564,780	$ 84,806	$ 649,586
2025	389,348	67,861	457,209
2026	377,400	56,198	433,598
2027	355,581	46,117	401,698
2028	364,797	36,801	401,598
2029-2032	1,152,214	52,578	1,204,792
Total	$ 3,204,120	$ 344,361	$ 3,548,481

Note 7 – Long-Term Liabilities (Continued)

A. Governmental Activities (Continued)

Lease Liability

The City has entered into leases for building space and equipment use. The terms of the agreements range from 5 to 6 years. The calculated interest rates varied based on the length of the lease ranging from 0.38 to 0.85 percent. As of June 30, 2023, the capitalized right-to-use assets related to leases were $1,288,724 and the total lease liability was $832,107, of which $326,272 is reported as a current liability representing the amount due within the next fiscal year.

The annual debt service requirements of the lease liability are as follows:

Year Ending June 30,	Principal	Interest	Total
2024	$ 326,272	$ 4,788	$ 331,060
2025	305,731	2,724	308,455
2026	116,969	1,136	118,105
2027	68,798	422	69,220
2028	14,337	208	14,545
Total	$ 832,107	$ 9,278	$ 841,385

Subscription Liability

The City has entered into subscription-based information technology arrangements (SBITAs) for services related to cloud-based software applications, data storage and management services. Under the terms of these arrangements, the City does not take possession of the software at any time and the vendor provides ongoing services for the software's operation. The subscription periods vary, with initial non-cancellable terms ranging from 2 to 6 years. The calculated interest rates varied ranging from 2.92 percent to 3.01 percent, which is based on the length of the SBITA and date of the agreement.

As of June 30, 2023, the capitalized right-to-use assets related to SBITAs were $593,542 and the total subscription liability was $185,429, of which $130,269 is reported as a current liability representing the amount due within the next fiscal year.

The annual debt service requirements of the subscription liability are as follows:

Year Ending June 30,	Principal	Interest	Total
2024	$ 130,269	$ 5,103	$ 135,372
2025	55,160	1,541	56,701
Total	$ 185,429	$ 6,644	$ 192,073

Note 7 – Long-Term Liabilities (Continued)

B. Business-Type Activities

A summary of changes in the long-term liabilities of the business-type activities for the year ended June 30, 2023, is as follows:

	Balance July 1, 2022, as restated	Debt Issued	Debt Retired	Balance June 30, 2023	Classification: Due within One Year	Classification: Due in More Than One Year
Business-Type Activities:						
Public borrowings:						
Bonds payable:						
Solid Waste Revenue Bonds, Series 2013A	$ 3,240,000	$ -	$ (1,580,000)	$ 1,660,000	$ 1,660,000	$ -
add: unamortized premium	168,353	-	(168,353)	-	-	-
Total bonds payable	3,408,353	-	(1,748,353)	1,660,000	1,660,000	-
Direct borrowings:						
Notes payable						
California Recycled Water Project	1,042,560	-	(338,975)	703,585	347,449	356,136
Safe Drinking Water Project	1,629,905	-	(347,600)	1,282,305	355,782	926,523
Hinckley Water Treatment Plant Upgrade	6,734,338	-	(487,674)	6,246,664	499,951	5,746,713
I-Bank Solid Waste	2,180,871	-	(139,553)	2,041,318	143,754	1,897,564
I-Bank City Streets	2,401,368	-	(138,273)	2,263,095	142,753	2,120,342
Finance Purchase Agreements	536,927	-	(135,372)	401,555	139,400	262,155
Total notes payable	14,525,969	-	(1,587,447)	12,938,522	1,629,089	11,309,433
Lease liability	118,959	473,906	(69,458)	523,407	122,801	400,606
Subscription liability	54,067	-	(54,067)	-	-	-
Total	$ 18,107,348	$ 473,906	$ (3,459,325)	$ 15,121,929	$ 3,411,890	$ 11,710,039

Solid Waste Revenue Bonds, Series 2013A

The $13,500,000 of Solid Waste Revenue Bonds, issue of 2013, Series A, consists of serial bonds with varying interest rates from 3 percent to 5 percent. Interest is payable semiannually on March 1 and September 1. Serial bonds mature semiannually September 1, 2014 through September 1, 2023. The revenues of the Disposal Fund are pledged as security toward the payment of this debt. The proceeds were used to finance a portion of the cost of acquisition and construction of street improvements within the City of Redlands. The amount outstanding at June 30, 2023, was $1,660,000 with an unamortized premium of $0.

The City has pledged future solid waste revenues, net of specified operating expenses to repay revenue bonds. Net revenues are defined in the 2013A (Solid Waste) bond document as operating income, less specified operating expenses, plus specified non-operating income. The 2013A bonds are payable through 2024. For the current year, principal and interest paid on the Solid Waste Revenue Bonds, Series 2013A was $1,702,500, and current year net revenues were $2,902,544.

The annual debt service requirements of the Solid Waste Revenue Bonds, Series 2013A are as follows:

Year Ending June 30,	Principal	Interest	Total
2024	$ 1,660,000	$ 41,500	$ 1,701,500
Total	$ 1,660,000	$ 41,500	$ 1,701,500

Note 7 – Long-Term Liabilities (Continued)

B. Business-Type Activities (Continued)

California Recycled Water Project Note Payable

On September 2, 2003, the City entered into a loan agreement with the California Water Resources Control Board in the amount of $7,918,234 to assist in financing the construction of advanced wastewater treatment facilities at the existing wastewater treatment plant. The note carries an annual interest rate of 2.5 percent with principal and interest payments due annually starting November 30, 2005 through November 30, 2024. The amount outstanding at June 30, 2023, was $703,585.

The annual debt service requirements of the California Recycled Water Project Note Payable are as follows:

Year Ending June 30,	Principal	Interest	Total
2024	$ 347,449	$ 17,590	$ 365,039
2025	356,136	8,903	365,039
Total	$ 703,585	$ 26,493	$ 730,078

Safe Drinking Water Project Note Payable

On January 30, 2004, the City entered into a loan agreement with the State of California, Department of Water Resources in the amount of $1,664,876 to assist in financing construction of a project which will enable the City to meet safe drinking water standards. As of June 30, 2006, the loan had been increased to $6,100,844. The note carries an annual interest rate of 2.34 percent with principal and interest payments due every six months starting January 1, 2006 through January 1, 2027. At June 30, 2023, the City has $1,282,305 in outstanding principal.

The annual debt service requirements of the Safe Drinking Water Project Note Payable are as follows:

Year Ending June 30,	Principal	Interest	Total
2024	$ 355,782	$ 27,937	$ 383,719
2025	364,156	19,563	383,719
2026	372,727	10,992	383,719
2027	189,640	2,219	191,859
Total	$ 1,282,305	$ 60,711	$ 1,343,016

Note 7 – Long-Term Liabilities (Continued)

B. Business-Type Activities (Continued)

Hinckley Water Treatment Plant Upgrade Note Payable

On June 21, 2011, the City entered into an agreement with the Clean Water State Revolving Fund Control Board for construction of the Hinckley water treatment plant upgrade. The City may borrow up to $13,663,033 or the eligible costs of the project, whichever is less. The loan has an interest rate of 2.5017 percent with maturities through 2034. Principal and interest is due every six months starting January 1, 2011 through July 1, 2034. The outstanding balance at June 30, 2023, is $6,246,664.

The annual debt service requirements of the Hinckley Water Treatment Plant Upgrade Note Payable are as follows:

Year Ending June 30,	Principal	Interest	Total
2024	$ 499,951	$ 153,165	$ 653,116
2025	512,536	140,580	653,116
2026	525,439	127,678	653,117
2027	538,666	114,450	653,116
2028	552,226	100,890	653,116
2029-2033	2,976,783	288,798	3,265,581
2034	641,063	12,053	653,116
Total	$ 6,246,664	$ 937,614	$ 7,184,278

I-Bank Solid Waste Note Payable

On March 2, 2015, the City entered into an agreement for the purpose of obtaining additional funds to complete the Solid Waste project. The City has agreed to pay the amount over twenty years commencing on the date of the loan, which carries an annual interest rate of 3.01 percent with principal and interest payments due every six months starting August 1, 2015 through August 1, 2034. At June 30, 2023, the outstanding balance of the loan was $2,041,318.

The annual debt service requirements of the I-Bank Solid Waste Note Payable are as follows:

Year Ending June 30,	Principal	Interest	Total
2024	$ 143,754	$ 59,280	$ 203,034
2025	148,081	54,888	202,969
2026	152,538	50,364	202,902
2027	157,129	45,703	202,832
2028	161,859	40,902	202,761
2029-2033	885,374	127,288	1,012,662
2034-2035	392,583	11,904	404,487
Total	$ 2,041,318	$ 390,329	$ 2,431,647

Note 7 – Long-Term Liabilities (Continued)

B. Business-Type Activities (Continued)

I-Bank City Streets Note Payable

On July 1, 2016, the City entered into an agreement for the purpose of obtaining funds for the City Streets project. The City has agreed to pay the amount over twenty years commencing on the date of the loan, which carries an annual interest rate of 3.24 percent with principal and interest payments due every six months starting August 1, 2017 through August 1, 2035. At June 30, 2023, the outstanding balance of the loan was $2,263,095.

The annual debt service requirements of the I-Bank City Streets Note Payable are as follows:

Year Ending June 30,	Principal	Interest	Total
2024	$ 142,753	$ 71,012	$ 213,765
2025	147,378	66,312	213,690
2026	152,153	61,459	213,612
2027	157,083	56,450	213,533
2028	162,172	51,278	213,450
2029-2033	893,166	172,750	1,065,916
2034-2036	608,390	29,987	638,377
Total	$ 2,263,095	$ 509,248	$ 2,772,343

Finance Purchase Agreements

The City has entered into various finance purchase agreements for various equipment purchases. These lease qualifies as a capital lease for accounting purposes and, therefore, has been recorded at the present value of future minimum lease payments as of the date of inception. The finance purchase agreements carry annual interest rates from 2.99 to 3.35 percent with principal and interest payments due bi-annually. The asset acquired under the finance purchase agreement is classified as machinery, equipment and vehicles. The gross value of equipment acquired under finance purchase agreements at June 30, 2023, was $787,6210, with an accumulated amortization of $388,066. The outstanding balance at June 30, 2023, is $401,555.

The annual debt service requirements of the Finance Purchase Agreements are as follows:

Year Ending June 30,	Principal	Interest	Total
2024	$ 139,400	$ 12,120	$ 151,520
2025	143,631	7,999	151,630
2026	118,524	3,544	122,068
Total	$ 401,555	$ 23,663	$ 425,218

Note 7 – Long-Term Liabilities (Continued)

B. Business-Type Activities (Continued)

Lease Liability

The City has entered into leases for building space and equipment use. The terms of the agreements range from 5 to 6 years. The calculated interest rates varied based on the length of the lease ranging from 0.38 to 0.85 percent. As of June 30, 2023, the capitalized right-to-use assets related to leases were $621,090 and the total lease liability was $523,407, of which $122,801 is reported as a current liability representing the amount due within the next fiscal year.

Principal and interest payments to maturity are as follows:

Year Ending June 30,	Principal	Interest	Total
2024	$ 122,801	$ 3,870	$ 126,671
2025	124,242	2,872	127,114
2026	115,754	1,874	117,628
2027	106,067	954	107,021
2028	54,543	159	54,702
Total	$ 523,407	$ 9,729	$ 533,136

Subscription Liability

The City has entered into subscription-based information technology arrangements (SBITAs) for services related to cloud-based software applications, data storage and management services. Under the terms of these arrangements, the City does not take possession of the software at any time and the vendor provides ongoing services for the software's operation. The subscription period was for 2 years. The calculated interest rates varied ranging from 2.92 percent to 3.01 percent, which is based on the length of the SBITA and date of the agreement.

As of June 30, 2023, the capitalized right-to-use assets related to SBITAs were $107,285 and the total subscription liability was $0.

C. Fiduciary Funds Private Purpose Trust Funds - Successor Agency to the Redevelopment Agency of the City of Redlands

A summary of changes in the long-term liabilities of the fiduciary fund financial statements for the year ended June 30, 2023, is as follows:

	Balance July 1, 2022	Debt Issued	Debt Retired	Balance June 30, 2023	Classification: Due within One Year	Classification: Due in More Than One Year
Fiduciary Activities:						
Public borrowings:						
Tax allocation bonds:						
Series 2016A	$ 2,095,000	$ -	$ (2,095,000)	$ -	$ -	$ -
Add: unamortized bond premiums	16,295	-	(16,295)	-	-	-
Series 2016B	405,000	-	(405,000)	-	-	-
Add: unamortized bond premiums	(292)	-	292	-	-	-
Total tax allocation bonds	2,516,003	-	(2,516,003)	-	-	-
Total	$ 2,516,003	$ -	$ (2,516,003)	$ -	$ -	$ -

Note 7 – Long-Term Liabilities (Continued)

C. Fiduciary Funds Private Purpose Trust Funds - Successor Agency to the Redevelopment Agency of the City of Redlands (Continued)

Tax Allocation Refunding Bonds, Series 2016A & B

In March of 2016, the Agency issued $16,610,000 in 2016 Tax Allocation Bonds, Series A and B, with interest rates ranging from 1.00 percent to 4.00 percent. The proceeds of the bonds were used to refund the 1998A, 2003A and 2007A Tax Allocation Bond, to fund a deposit to a debt service reserve account, and to pay costs incurred in connection with the issuance, sale and delivery of the Series 2016A & B bonds. Interest is payable semi-annually on February 1 and August 1 of each year, commencing August 1, 2016. Principal is payable on August 1 each year, commencing August 1, 2016. As of June 30, 2023, the outstanding principal balance on the bonds is paid off.

Tax Allocation Bonds held by the Successor Agency of the Redevelopment Agency of the City of Redlands are secured by property tax revenues. For the current year, principal and interest paid on the Series 2016A & B, Tax Allocation Bonds was $2,546,963, and Redevelopment Agency Property Tax Trust Fund distributions were $5,181.

Note 8 – Special Assessment Debt with No City Commitment

The special assessment bonds are secured by valid assessment liens upon certain lands within the special assessment district and are not direct liabilities of the City and, accordingly, are not included in the accompanying basic financial statements. The City has no obligation beyond the balances in the designated agency funds for any delinquent assessment district bond payments. If delinquencies occur beyond the amounts held in the reserve funds created from bond proceeds, the City has no duty to pay the delinquency out of any available funds of the City. Neither the faith, credit, nor taxing power of the City is pledged to the payment of the bonds. The City acts solely as an agent for those paying assessments and for the bondholders.

In September 2001, the City issued for and on behalf of the Community Facilities District No. 2001-1 (Northwest Development Project) $9,255,000 aggregate principal amount of 2001 Special Tax Bonds to finance the acquisition of certain public improvements with appurtenant work and incidental expenses within the District. The Bonds were issued pursuant to the Mello-Roos Community Facilities Act of 1982 and are payable from proceeds of annual special tax to be levied on the property within the District. Bonds maturing in the years 2002 to 2015 are serial bonds payable in annual installments of $170,000 to $355,000 while bonds maturing in the year 2026 in the amount of $2,535,000 are term bonds. The interest rates on the bonds range from 3.75% to 6.45%. The outstanding balance at June 30, 2023, was $2,535,000.

In February 2004, the City issued for and on behalf of the Community Facilities District No. 2003-1 (Redlands Business Center) $9,545,000 aggregate principal amount of 2004 Special Tax Bonds to finance the acquisition and construction of certain street improvements, sewers, storm drains, water distribution facilities, and other public improvements within the District. The Bonds were issued pursuant to the Mello-Roos Community Facilities Act of 1982 and are payable from proceeds of annual special tax to be levied on the property within the District. Bonds maturing in the years 2006 to 2021 are serial bonds payable in annual installments of $20,000 to $270,000, while bonds maturing in the year 2027 in the amount of $2,255,000 and bonds maturing in the year 2033 in the amount of $5,280,000 are term bonds. The interest rates on the bonds range from 2.50% to 5.90%. The outstanding balance at June 30, 2023, was $6,830,000.

Note 8 – Special Assessment Debt with No City Commitment (Continued)

Noncommittal debt amounts issued and outstanding at June 30, 2023 are as follows:

	Original Amount	Outstanding Balance June 30, 2023
CFD 2001-1 Special Tax Bonds (Northwest Development Project)	$ 9,255,000	$ 2,535,000
CFD 2003-1 Special Tax Bonds (Redlands Business Center)	9,545,000	6,830,000
Total	$ 18,800,000	$ 9,365,000

Note 9 – Compensated Absences

A. Governmental Activities

A summary of changes in the compensated absences balances for the governmental activities for the year ended June 30, 2023 is as follows:

	Balance July 1, 2022	Additions	Deletions	Balance June 30, 2023	Classification: Due within One Year	Classification: Due in More Than One Year
Compensated absences	$ 7,760,175	$ 4,605,700	$ (4,440,459)	$ 7,925,416	$ 3,962,708	$ 3,962,708

Compensated absences in the governmental activities are obligations of the following funds:

Governmental Funds	$ 7,510,618
Liability Self-Insurance Internal Service Fund	2,804
Information Technology Internal Service Fund	176,714
Workers Compensation Self-Insurance Internal Service Fund	5,006
Equipment Maintenance Internal Service Fund	67,847
Utility Billing Internal Service Fund	162,427
Total	$ 7,925,416

Note 9 – Compensated Absences (Continued)

B. Business-Type Activities

A summary of changes in the compensated absences balances for the business-type activities for the year ended June 30, 2023 is as follows:

	Balance July 1, 2022	Additions	Deletions	Balance June 30, 2023	Classification: Due within One Year	Classification: Due in More Than One Year
Compensated absences	$ 1,022,107	$ 1,200,253	$ (1,157,191)	$ 1,065,169	$ 532,585	$ 532,584

Compensated absences in the business-type activities are obligations of the following funds:

Water Fund	$ 502,416
Disposal Fund	248,136
Wastewater Fund	280,845
Groves Fund	542
Non-Potable Water Fund	260
Cemetery Fund	32,081
Aviation Fund	889
Total	$ 1,065,169

Note 10 – Solid Waste Landfill

State and federal laws and regulations require the City to provide financial assurance for closure and post closure costs of the California Street Landfill site when it stops accepting waste and to perform certain maintenance and monitoring functions at the site for fifteen years after closure. Although closure and post closure activities will be paid only near or after the date that the landfill stops accepting waste, the City reports a portion of these closure and post closure costs as an operating expense in each period based on landfill capacity used as of each balance sheet date. The $11,606,913 reported as landfill closure and post closure liability at June 30, 2023, represents the cumulative amount reported to date based on the use of 68.59 percent of the total estimated capacity of the landfill including final covering. The City will recognize the remaining estimated costs of closure and post closure care of $5,315,899 as the remaining estimated capacity is filled. These amounts are based on what it would cost to perform closure and post closure activities in 2023 dollars. The City expects to close the landfill in the year 2042. Actual costs may differ due to inflation, changes in technology or changes in regulations.

The City is required by state and federal laws and regulations to maintain adequate funds to provide financial assurance for closure and post closure costs through one of a combination of alternative mechanisms. For closure costs, the City has established an enterprise fund mechanism with a separate fund, the California Street Landfill Closure fund, that is included within the Disposal Enterprise Fund. For post closure costs, the City has entered into a Pledge of Revenue Agreement with the California Integrated Waste Management Board. The City is in compliance with these requirements. At June 30, 2023, $8,185,098 is held for landfill closure. The City expects that future inflation costs will be paid from future annual operating revenues in the enterprise fund. Post closure costs are agreed to be covered by revenue from solid waste customer billings which is deposited directly into the Disposal enterprise fund.

Note 11 – Pension Plans

A. Summary

The City of Redlands participates in the California Public Employees Retirement System (CalPERS), a pension plan available to all qualified employees. The Safety Plan is a cost-sharing multiple employer defined benefit pension plan. The Miscellaneous Plan is an agent multiple employer defined benefit pension plan. A summary of pension amounts for the City's plans at June 30, 2023, is presented below:

	Governmental Activities	Business-Type Activities	Total
Deferred outflows of resources:			
Pension contribution made after measurement date:			
CalPERS Miscellaneous	$ 3,772,139	2,855,471	$ 6,627,610
CalPERS Safety	11,063,552	-	11,063,552
Total pension contribution made after measurement date	14,835,691	2,855,471	17,691,162
Projected earnings on pension plan investments in excess of actual earnings:			
CalPERS Miscellaneous	4,079,024	3,087,780	7,166,804
CalPERS Safety	16,015,677	-	16,015,677
Total projected earnings on pension plan investments in excess of actual earnings	20,094,701	3,087,780	23,182,481
Change in assumption			
CalPERS Miscellaneous	2,164,313	1,638,363	3,802,676
CalPERS Safety	10,226,233	-	10,226,233
Total change in assumption	12,390,546	1,638,363	14,028,909
Difference between expected and actual experience:			
CalPERS Miscellaneous	-	-	-
CalPERS Safety	3,096,072	-	3,096,072
Total difference between expected and actual experience	3,096,072	-	3,096,072
Adjustment due to difference in proportions			
CalPERS Safety	2,972,522	-	2,972,522
Total adjustment due to difference in proportions	2,972,522	-	2,972,522
Total deferred outflows of resources			
CalPERS Miscellaneous	10,015,476	7,581,614	17,597,090
CalPERS Safety	43,374,056	-	43,374,056
Total deferred outflows of resources	$ 53,389,532	$ 7,581,614	$ 60,971,146
Net pension liability:			
CalPERS Miscellaneous	$ 30,393,270	$ 23,007,396	$ 53,400,666
CalPERS Safety	101,420,265	-	101,420,265
Total net pension liability	$ 131,813,535	$ 23,007,396	$ 154,820,931

Note 11 – Pension Plans (Continued)

A. Summary (Continued)

	Governmental Activities	Business-Type Activities	Total
Deferred inflows of resources:			
Actual earnings on pension plan investments in excess of projected earnings:			
CalPERS Miscellaneous	$ 540,277	$ 408,984	$ 949,261
Total actual earnings on pension plan investments in excess of projected earnings	540,277	408,984	949,261
Employer contributions in excess of proportionate share of contribution			
CalPERS Safety	5,257,517	-	5,257,517
Total employer contributions in excess of proportionate share of contribution	5,257,517	-	5,257,517
Total deferred inflows of resources			
CalPERS Miscellaneous	540,277	408,984	949,261
CalPERS Safety	5,257,517	-	5,257,517
Total deferred inflows of resources	$ 5,797,794	$ 408,984	$ 6,206,778
Pension expense (credit):			
CalPERS Miscellaneous	$ 3,952,622	$ 2,992,094	$ 6,944,716
CalPERS Safety	(294,073)	-	(294,073)
Total net pension expenses	$ 3,658,549	$ 2,992,094	$ 6,650,643

B. City Miscellaneous Plans

Plan Description

Substantially all City Miscellaneous employees working the equivalent of 1,000 hours per fiscal year are eligible to participate in the Miscellaneous Plan Agent multiple-employer defined benefit plan administered by California Public Employees Retirement System (CalPERS), which acts as a common investment and administrative agent for its participating member employers. Benefit Provisions under the Plans are established by State statutes within the Public Employee's Retirement Law. CalPERS issues publicly available reports that include a full description of the pension plans regarding benefit provisions, assumptions and membership information that can be found on the CalPERS website. Copies of the CalPERS annual financial report may be obtained from the CalPERS Executive Office – 400 P Street, Sacramento, CA 95814.

Employees Covered

At June 30, 2022, the measurement date, the following employees were covered by the benefit terms for the Plan:

	Miscellaneous Plans
Active employees	339
Transferred and terminated employees	413
Retired employees and beneficiaries	535
Total	1287

Note 11 – Pension Plans (Continued)

B. City Miscellaneous Plans (Continued)

Benefits Provided

CalPERS provide retirement and disability benefits, annual cost-of-living adjustments, and death benefits to plan members and beneficiaries. Classic CalPERS member becomes eligible for service retirement upon attainment of age 55 with at least 5 years of credited service. PEPRA miscellaneous members become eligible for service retirement upon attainment of age 62 with at least 5 years of service. The service retirement benefit is a monthly allowance equal to the product of the benefit factor, years of service, and final compensation. The final compensation is the monthly average of the member's highest 36 full-time equivalent monthly pay.

Following are the benefit provisions for each plan:

	Miscellaneous Plans	
Hire Date	PEPRA	Classic
Benefit formula	2% @ 55	2% @ 62
Benefit vesting schedule	5 years service	5 years service
Benefit payments	Monthly for life	Monthly for life
Retirement age	50 - 63	52 - 67
Monthly benefits, as a % of eligible compensation	1.426% to 2.418%	1.000% to 2.500%
Required employee contribution rates	7.000%	7.000%
Required employer contribution rates	9.090%	9.090%
Final Annual Compensation	1 year	1 year

Contributions

Section 20814(c) of the California Public Employees' Retirement Law ("PERL") requires that the employer contribution rates for all public employers be determined on an annual basis by the actuary and shall be effective on the July 1 following notice of a change in the rate. The total plan contributions are determined through CalPERS' annual actuarial valuation process. The actuarially determined rate is the estimated amount necessary to finance the costs of benefits earned by employees during the year, with an additional amount to finance any unfunded accrued liability. The employer is required to contribute the difference between the actuarially determined rate and the contribution rate of employees.

For the year ended June 30, 2023, the plan's contributions made for the Plan was as follows:

	Miscellaneous Plans
Contributions - employer	$ 6,627,610

Net Pension Liability

The City's net pension liability is measured as the total pension liability, less the pension plan's fiduciary net position. The net pension liability of the Plan is measured as of June 30, 2022, using an annual actuarial valuation as of June 30, 2021 rolled forward to June 30, 2022 using standard update procedures. A summary of principal assumptions and methods used to determine the net pension liability is shown on the following page.

Note 11 – Pension Plans (Continued)

B. City Miscellaneous Plans (Continued)

Actuarial Assumptions

The total pension liabilities in the June 30, 2021 actuarial valuations were determined using the following actuarial assumptions:

Actuarial Cost Method	Entry Age Normal in accordance with the requirement of GASB Statement No. 68
Actuarial Assumptions:	
Discount Rate	6.90%
Inflation	2.30%
Salary Increases	Varies by Entry Age and Service
Investment Rate of Return	6.90%
Mortality Rate Table	Derived using CalPERS' Membership Data for all Funds. The mortality table used was developed based on CalPERS' specific data. The table includes 20 years of mortality improvements using Society of Actuaries Scale BB.
Post Retirement Benefit Increase	Contract COLA up to 2.30% until Purchasing Power Protection Allowance Floor on Purchasing Power applies, 2.30% thereafter

The underlying mortality assumptions and all other actuarial assumptions used in the June 30, 2021 valuation were based on the results of a January 2017 actuarial experience study for the period 1997 to 2011. Further details of the Experience Study can be found on the CalPERS website.

Discount Rate

In determining the long-term expected rate of return, CalPERS took into account, both short-term and long-term market return expectations as well as the expected pension fund cash flows. Such cash flows were developed assuming that both members and employers will make their required contributions on time and as scheduled in all future years. Using historical returns of all the funds' asset classes, expected compound (geometric) returns were calculated over the short-term (first 10 years) and the long-term (11-60 years) using a building-block approach. Using the expected nominal returns for both short-term and long-term, the present value of benefits was calculated for each fund. The expected rate of return was set by calculating the single equivalent expected return that arrived at the same present value of benefits for cash flows as the one calculated using both short-term and long-term returns. The expected rate of return was then set equivalent to the single equivalent rate calculated above and rounded down to the nearest one quarter of one percent.

The table below reflects long-term expected real rate of return by asset class. The rate of return was calculated using the capital market assumptions applied to determine the discount rate and asset allocation. These geometric rates of return are net of administrative expenses.

Asset Class	New Strategic Allocation	Real Return Years 1 - 10 [1]	Real Return Years 11 + [2]
Global equity	50.00%	4.80%	5.98%
Global fixed income	28.00%	1.00%	2.62%
Inflation sensitive assets	0.00%	0.77%	1.81%
Private equity	8.00%	6.30%	7.23%
Real assets	13.00%	3.75%	4.93%
Liquidity	1.00%	0.00%	-0.92%

[1] An expected inflation of 2.00% was used for this period.

[2] An expected inflation of 2.92% was used for this period.

Note 11 – Pension Plans (Continued)

B. City Miscellaneous Plans (Continued)

Discount Rate (Continued)

The discount rate used to measure the total pension liability was 6.90% for the plan. To determine whether the municipal bond rate should be used in the calculation of a discount rate for each plan, CalPERS stress tested plans that would most likely result in a discount rate that would be different from the actuarially assumed discount rate. Based on the testing, none of the tested plans run out of assets. Therefore, the current 6.90% discount rate is adequate and the use of the municipal bond rate calculation is not necessary. The long term expected discount rate of 6.90% is applied to all plans in the Public Employees Retirement Fund (PERF). The stress test results are presented in a detailed report called "GASB Crossover Testing Report" that can be obtained from the CalPERS website under the GASB 68 Section.

Sensitivity of the Net Pension Liability to Changes in the Discount Rate

The following presents the City's net pension liability, calculated using the discount rate, as well as what the City's net pension liability would be if it were calculated using a discount rate that is one percentage point lower or one percentage point higher than the current rate:

Plan's Aggregate Net Pension Liability/(Asset)		
Discount Rate - 1% (5.90%)	Current Discount Rate (6.90%)	Discount Rate + 1% (7.90%)
$ 78,958,155	$ 53,400,666	$ 32,299,402

Changes in the Net Pension Liability

The following table shows the changes in net pension liability recognized over the measurement period:

Miscellaneous Plans	Total Pension Liability	Plan Fiduciary Net Position	Net Pension Liability
Balance at June 30, 2021 (Valuation Date)	$ 185,310,577	$ 157,071,006	$ 28,239,571
Changes in the year:			
Service cost	3,969,259	-	3,969,259
Interest on the total pension liabilities	12,856,892	-	12,856,892
Differences between expected and actual experience	(1,568,849)	-	(1,568,849)
Changes in assumptions	5,704,014	-	5,704,014
Benefit payments, including refunds of members contributions	(10,197,185)	(10,197,185)	-
Contributions - employer	-	6,083,423	(6,083,423)
Contributions - employee	-	1,630,007	(1,630,007)
Net investment income	-	(11,815,363)	11,815,363
Administrative expenses	-	(97,846)	97,846
Net changes	10,764,131	(14,396,964)	25,161,095
Balance at June 30, 2022 (Measurement Date)	$ 196,074,708	$ 142,674,042	$ 53,400,666

Note 11 – Pension Plans (Continued)

B. City Miscellaneous Plans (Continued)

Pension Expenses and Deferred Outflows/Inflows of Resources Related to Pensions

For the year ended June 30, 2023, the City recognized pension expense in the amount of $6,944,716 for the miscellaneous plans.

The amortization period differs depending on the source of the gain or loss. The difference between projected and actual earnings is amortized over 5-years straight line. All other amounts are amortized straight-line over the average expected remaining service lives of all members that are provided with benefits (active, inactive and retired) as of the beginning of the measurement period.

The Expected Average Remaining Service Lifetime ("EARSL") is calculated by dividing the total future service years by the total number of plan participants (active, inactive, and retired) in the risk pool. The EARSL for the Miscellaneous Plan for the 2021-22 measurement period is 3.0 years, which was obtained by dividing the total service years of 3,728 (the sum of remaining service lifetimes of the active employees) by 1,224 (the total number of participants: active, inactive, and retired).

At June 30, 2023 the City reported deferred outflows of resources and deferred inflows of resources related to pensions from the following sources:

	Miscellaneous Plans	
	Deferred outflows of Resources	Deferred inflows of Resources
Pension contributions made subsequent to measurement date	$ 6,627,610	$ -
Difference between projected and actual earning on pension plan investments	7,166,804	-
Changes in assumptions	3,802,676	-
Differences between expected and actual experience	-	(949,261)
Total	$ 17,597,090	$ (949,261)

For the City Miscellaneous Plan, $6,627,610 was reported as deferred outflows of resources related to pensions resulting from City's contributions subsequent to the measurement date and will be recognized as a reduction of the net pension liability in the year ended June 30, 2024. Other amounts reported as deferred outflows of resources and deferred inflows of resources related to pensions will be recognized in pension expense as follows:

Year Ended June 30,	Deferred Outflows/(Inflows) of Resources
2024	$ 2,615,560
2025	2,403,531
2026	490,880
2027	4,510,248
2028	-
Thereafter	-
	$ 10,020,219

Pension Plan Fiduciary Net Position

Detailed information about the plan's fiduciary net position is available in the separately issued CalPERS financial reports.

Note 11 – Pension Plans (Continued)

C. City Safety Plans

Plan Description

Substantially all City Safety employees working the equivalent of 1,000 hours per fiscal year are eligible to participate in the Safety Plan Cost-sharing multiple-employer defined benefit plan administered by California Public Employees Retirement System (CalPERS), which acts as a common investment and administrative agent for its participating member employers. Benefit Provisions under the Plans are established by State statutes within the Public Employee's Retirement Law. CalPERS issues publicly available reports that include a full description of the pension plans regarding benefit provisions, assumptions and membership information that can be found on the CalPERS website. Copies of the CalPERS annual financial report may be obtained from the CalPERS Executive Office – 400 P Street, Sacramento, CA 95814.

Employees Covered

At June 30, 2022, the measurement date, the following employees were covered by the benefit terms the Plan:

	Safety Plans
Active employees	131
Transferred and terminated employees	55
Retired employees and beneficiaries	249
Total	435

Benefits Provided

CalPERS provide retirement and disability benefits, annual cost-of-living adjustments, and death benefits to plan members and beneficiaries. Classic and PEPRA Safety CalPERS member becomes eligible for service retirement upon attainment of age 55 with at least 5 years of credited service. PEPRA miscellaneous members become eligible for service retirement upon attainment of age 62 with at least 5 years of service. The service retirement benefit is a monthly allowance equal to the product of the benefit factor, years of service, and final compensation. The final compensation is the monthly average of the member's highest 36 full-time equivalent monthly pay.

Following are the benefit provisions for each plan:

	Safety Cost-Sharing Plans			
Hire Date	Classic Fire	PEPRA Fire	Classic Fire	PEPRA Police
Benefit formula	3% @ 50	2.7% @ 57	3% @ 50	2.7% @ 57
Benefit vesting schedule	5 years service	5 years service	5 years service	5 years service
Benefit payments	Monthly for life	Monthly for life	Monthly for life	Monthly for life
Retirement age	50	50 - 57	50	50 - 57
Monthly benefits, as a % of eligible compensation	3.000%	2.000% to 2.700%	3.000%	2.000% to 2.700%
Required employee contribution rates	9.00%	13.750%	9.00%	13.750%
Required employer contribution rates	25.640%	13.660%	25.640%	13.660%
Final Annual Compensation	1 year	1 year	1 year	1 year

Note 11 – Pension Plans (Continued)

C. City Safety Plans (Continued)

Contributions

Section 20814(c) of the California Public Employees' Retirement Law (PERL) requires that the employer contribution rates for all public employers be determined on an annual basis by the actuary and shall be effective on the July 1 following notice of a change in the rate. The total plan contributions are determined through the CalPERS' annual actuarial valuation process. For public agency cost-sharing plans covered by the Safety risk pools, the Plan's actuarially determined rate is based on the estimated amount necessary to pay the Plan's allocated share of the risk pool's costs of benefits earned by employees during the year, and any unfunded accrued liability. The employer is required to contribute the difference between the actuarially determined rate and the contribution rate of employees.

For the year ended June 30, 2023, employer contributions made for the Safety Cost-sharing Plan was as follows:

	Safety Plans
Contributions - employer	$ 11,063,552

Pension Liabilities, Pension Expenses and Deferred Outflows/Inflows of Resources Related to Pensions

The City's net pension liability for each Plan is measured as the proportionate share of the net pension liability. The net pension liability of the Plans is measured as of June 30, 2022, and the total pension liability for each Plan used to calculate the net pension liability was determined by an actuarial valuation as of June 30, 2021 rolled forward to June 30, 2022 using standard update procedures. The City's proportion of the net pension liability was based on a projection of the City's long-term share of contributions to the pension plans relative to the projected contributions of all participating employers, actuarially determined.

As of June 30, 2023, the City reported net pension liability for its proportionate shares of the net pension liability of the Safety Plan as follows:

	Increase (Decrease)		
	Plan Total Pension Liability	Plan Fiduciary Net Position	Plan Net Pension Liability/(Asset)
Balance at: 6/30/21 (Valuation date)	$ 302,527,702	$ 244,268,089	58,259,613
Balance at: 6/30/22 (Measurement date)	324,559,447	223,139,182	101,420,265
Net Changes during 2021-2022	22,031,745	(21,128,907)	43,160,652

The following is the approach established by the plan actuary to allocate the net pension liability and pension expense to the individual employers within the risk pool.

(1) In determining a cost-sharing plan's proportionate share, total amounts of liabilities and assets are first calculated for the risk pool as a whole on the valuation date (June 30, 2021). The risk pool's fiduciary net position ("FNP") subtracted from its total pension liability ("TPL") determines the net pension liability ("NPL") at the valuation date.

Note 11 – Pension Plans (Continued)

C. City Safety Plans (Continued)

Pension Liabilities, Pension Expenses and Deferred Outflows/Inflows of Resources Related to Pensions (Continued)

(2) Using standard actuarial roll forward methods, the risk pool TPL is then computed at the measurement date (June 30, 2022). Risk pool FNP at the measurement date is then subtracted from this number to compute the NPL for the risk pool at the measurement date. For purposes of FNP in this step and any later reference thereto, the risk pool's FNP at the measurement date denotes the aggregate risk pool's FNP at June 30, 2021 less the sum of all additional side fund (or unfunded liability) contributions made by all employers during the measurement period (2021-22).

(3) The individual plan's TPL, FNP and NPL are also calculated at the valuation date.

(4) Two ratios are created by dividing the plan's individual TPL and FNP as of the valuation date from (3) by the amounts in step (1), the risk pool's total TPL and FNP, respectively.

(5) The plan's TPL as of the Measurement Date is equal to the risk pool TPL generated in (2) multiplied by the TPL ratio generated in (4). The plan's FNP as of the Measurement Date is equal to the FNP generated in (2) multiplied by the FNP ratio generated in (4) plus any additional side fund (or unfunded liability) contributions made by the employer on behalf of the plan during the measurement period.

(6) The plan's NPL at the Measurement Date is the difference between the TPL and FNP calculated in (5).

The City's proportionate share of the net pension liability for the Safety Plan as of June 30, 2022 and 2021 was as follows:

Proportion June 30, 2021	1.66006%
Proportion June 30, 2022	1.47594%
Change - Increase (Decrease)	-0.18412%

For the year ended June 30, 2023, the City recognized pension credit in the amount of $294,073 for the Safety Plan.

The amortization period differs depending on the source of the gain or loss. The difference between projected and actual earnings is amortized over 5-years straight line. All other amounts are amortized straight-line over the average expected remaining service lives of all members that are provided with benefits (active, inactive and retired) as of the beginning of the measurement period.

The EARSL for PERF C for the measurement date ending June 30, 2022 is 3.7 years, which was obtained by dividing the total service years of 574,665 (the sum of remaining service lifetimes of the active employees) by 153,587 (the total number of participants: active, inactive, and retired) in PERF C. Inactive employees and retirees have remaining service lifetimes equal to 0. Total future service is based on the members' probability of decrementing due to an event other than receiving a cash refund.

Note 11 – Pension Plans (Continued)

C. City Safety Plans (Continued)

Pension Liabilities, Pension Expenses and Deferred Outflows/Inflows of Resources Related to Pensions (Continued)

At June 30, 2023, the City reported deferred outflows of resources and deferred inflows of resources related to pensions from the following sources:

	Safety Plans	
	Deferred outflows of Resources	Deferred inflows of Resources
Pension contributions made subsequent to measurement date	$ 11,063,552	$ -
Difference between projected and actual earning on pension plan investments	16,015,677	-
Adjustment due to differences in proportions	2,972,522	-
Changes in assumptions	10,226,233	-
Difference between actual and expected experience	3,096,072	-
Difference between employer's actual contributions and proportionate share of contributions	-	(5,257,517)
Total	$ 43,374,056	$ (5,257,517)

For the City Safety Plan, $11,063,552 was reported as deferred outflows of resources related to pensions resulting from City's contributions subsequent to the measurement date will be recognized as a reduction of the net pension liability in the year ended June 30, 2024. Other amounts reported as deferred outflows of resources and deferred inflows of resources related to pensions will be recognized in pension expense as follows:

Year Ended June 30,	Deferred Outflows/ (Inflows) of Resources
2024	$ 7,808,195
2025	6,095,554
2026	3,379,471
2027	9,769,767
2028	-
Thereafter	-
	$ 27,052,987

Actuarial Methods and Assumptions Used to Determine Total Pension Liability

For the measurement period ended June 30, 2022 (the measurement date), the total pension liability was determined by rolling forward the June 30, 2021 total pension liability. Both the June 30, 2022 and the June 30, 2021 total pension liabilities were based on the following actuarial methods and assumptions:

Note 11 – Pension Plans (Continued)

C. City Safety Plans (Continued)

Actuarial Methods and Assumptions Used to Determine Total Pension Liability (Continued)

Actuarial Cost Method	Entry Age Normal in accordance with the requirement of GASB Statement No. 68
Actuarial Assumptions:	
Discount Rate	6.90%
Inflation	2.30%
Salary Increases	Varies by Entry Age and Service
Investment Rate of Return	6.90%
Mortality Rate Table	Derived using CalPERS' Membership Data for all Funds. The mortality table used was developed based on CalPERS' specific data. The table includes 20 years of mortality improvements using Society of Actuaries Scale BB.
Post Retirement Benefit Increase	Contract COLA up to 2.30% until Purchasing Power Protection Allowance Floor on Purchasing Power applies, 2.30% thereafter

All other actuarial assumptions used in the June 30, 2021 valuation were based on the results of an actuarial experience study for the period from 1997 to 2015, including updates to salary increase, mortality and retirement rates. The Experience Study report can be obtained at CalPERS' website under Forms and Publications.

Discount Rate

The discount rate used to measure the total pension liability was 6.90%. To determine whether the municipal bond rate should be used in the calculation of a discount rate for each plan, CalPERS stress tested plans that would most likely result in a discount rate that would be different from the actuarially assumed discount rate. Based on the testing, none of the tested plans run out of assets. Therefore, the current 6.90% discount rate is adequate and the use of the municipal bond rate calculation is not necessary. The long term expected discount rate of 6.90% is applied to all plans in the Public Employees Retirement Fund. The stress test results are presented in a detailed report called "GASB Crossover Testing Report" that can be obtained at CalPERS' website under the GASB 68 section.

The long-term expected rate of return on pension plan investments was determined using a building-block method in which best-estimate ranges of expected future real rates of return (expected returns, net of pension plan investment expense and inflation) are developed for each major asset class. In determining the long-term expected rate of return, staff took into account both short-term and long-term market return expectations as well as the expected pension fund cash flows. Such cash flows were developed assuming that both members and employers will make their required contributions on time and as scheduled in all future years. Using historical returns of all the funds' asset classes, expected compound (geometric) returns were calculated over the short-term (first 10 years) and the long-term (11-60 years) using a building block approach. Using the expected nominal returns for both short-term and long-term, the present value of benefits was calculated for each fund. The expected rate of return was set by calculating the single equivalent expected return that arrived at the same present value of benefits for cash flows as the one calculated using both short-term and long-term returns. The expected rate of return was then set equivalent to the single equivalent rate calculated above and rounded down to the nearest one quarter of one percent. The table below reflects long-term expected real rate of return by asset class. The rate of return was calculated using the capital market assumptions applied to determine the discount rate and asset allocation. These geometric rates of return are net of administrative expenses.

Note 11 – Pension Plans (Continued)

C. City Safety Plans (Continued)

Discount Rate (Continued)

Asset Class	New Strategic Allocation	Real Return Years 1 - 10 [1]	Real Return Years 11 + [2]
Global equity	50.00%	4.80%	5.98%
Global fixed income	28.00%	1.00%	2.62%
Inflation sensitive assets	0.00%	0.77%	1.81%
Private equity	8.00%	6.30%	7.23%
Real assets	13.00%	3.75%	4.93%
Liquidity	1.00%	0.00%	-0.92%

[1] An expected inflation of 2.30% was used for this period.

[2] An expected inflation of 2.30% was used for this period.

Sensitivity of the Proportionate Share of the Net Pension Liability to Changes in the Discount Rate

The following presents the City's proportionate share of the net pension liability for the City Safety Plan, calculated using the discount rate for the City Safety Plan, as well as what the City's proportionate share of the net pension liability would be if it were calculated using a discount rate that is one percentage point lower or one percentage point higher than the current rate:

Plan's Aggregate Net Pension Liability/(Asset)		
Discount Rate - 1% (5.90%)	Current Discount Rate (6.90%)	Discount Rate + 1% (7.90%)
$ 146,241,417	$ 101,420,265	$ 64,789,099

Pension Plan Fiduciary Net Position

Detailed information about each pension plan's fiduciary net position is available in the separately issued CalPERS financial reports.

Payable to the Pension Plan

At June 30, 2023, the City reported a payable of $0 for the outstanding amount of contributions to the pension plan required for the year ended June 30, 2023.

Note 12 – Other Postemployment Benefits

A. Summary

	Governmental Activities	Business-Type Activities	Total
Deferred outflows of resources:			
Employer contributions made subsequent to the measurement date	$ 4,035,299	$ 1,305,915	$ 5,341,214
Difference between expected and actual experience	3,473,186	1,124,002	4,597,188
Changes in assumptions	31,071,355	10,055,400	41,126,755
Total deferred outflows of resources	$ 38,579,840	$ 12,485,317	$ 51,065,157
Total OPEB liability:			
Total OPEB liability	$ 102,959,850	$ 44,000,415	$ 146,960,265
Total OPEB liability	$ 102,959,850	$ 44,000,415	$ 146,960,265
Deferred inflows of Resources:			
Difference between expected and actual experience	$ 7,033,959	$ 1,944,076	$ 8,978,035
Changes in assumptions	37,422,618	10,343,027	47,765,645
Total deferred inflows of resources	$ 44,456,577	$ 12,287,103	$ 56,743,680
OPEB Expense	$ 9,583,273	$ 2,213,147	$ 11,796,420

B. General Information about OPEB

Plan Description

The City's administers a defined benefit OPEB plan (Plan), which provides medical insurance benefits to eligible retirees and their spouses in accordance with applicable Memoranda of Understanding and the California Government Code to all employees who retire from the City. The Plan is an agent single-employer defined benefit OPEB plan administered by the City and is governed by the City Council. No assets are accumulated in a trust that meets the criteria in paragraph 4 of Statement 75.

City's Funding Policy

The contribution requirements of plan members and the City are established, and may be amended, by City Council. The contribution required to be made under City Council and labor agreement requirements is based on a pay-as-you go basis (i.e., as medical insurance premiums become due). The City allows retirees to participate in the same medical plan as active employees at the same premium rates. Because the rate is a "blended rate", payments for the active employees include an implied subsidy of what would normally be a higher rate for retirees if the retirees were in a stand-alone health plan.

GASB Statement No. 75, *Accounting and Financial Reporting by Employers for Post-Employment Benefits Other Than Pensions*, requires governments to account for other post-employment benefits (OPEB) on an accrual basis, rather than a pay-as-you-go basis. The effect is the recognition of an actuarially determined expense when a future retiree earns their post-employment benefits, rather than when they use their post-employment benefits.

Note 12 – Other Postemployment Benefits (Continued)

B. General Information about OPEB (Continued)

Benefits Provided

After age 65, the City contributes a flat monthly rate of $397 for those employees who retire under the PERS retirement system, subscribe to the PERS Health Insurance System, and have at least five years of CalPERS service, in accordance with Government Code. This is a perpetual benefit which is available to all PERS retirees including eligible dependents of deceased retirees. Annual increases in the monthly rate are limited to $20 and based upon the annual increase in PERS family premiums. In addition, the City also contributes the entire monthly premium for health insurance for all employees who retire with the City and have a minimum of 15 or 20 years of cumulative service with the City, depending on the particular bargaining units. A summary of benefits provided is shown below:

Employee Group Service	Medical	Dental	Vision
Police (RPOA Members)			
Employees hired on or after November 4, 2014 with at least 5 years of CalPERS service	$397 per month maximum	None	None
Employees hired prior to November 4, 2014 with at least 15 years of City service	100% of Premium & Medicare Part B for Lifetime of Retiree and Spouse	100% of Premium of Retiree and Spouse	100% of Premium of Retiree and Spouse
Firefighters (RPFA and RAFME Members)			
Employees hired on or after October 16, 2012 with at least 5 years of CalPERS Service	$397 per month maximum	None	None
Employees hired prior to October 16, 2012 with at least 15 Years (20 Years for RPFA Members) of City service	100% of Premium & Medicare Part B for Lifetime of Retiree and Spouse	100% of Premium for Lifetime of Retiree and Spouse	$225 Maximum Reimbursement Per Year for Lifetime of Retiree and Spouse
Miscellaneous (GEAR, RCSEA, RAMME and RAME* Members)			
Employees hired on or after March 11, 2010 with at least 5 years of CalPERS Service	$397 per month maximum	None	None
Employees hired prior to March 11, 2010 with at least 20 years (15 Years for RAME Members) of City Service	100% of Premium & Medicare Part B for Lifetime of Retiree and Spouse	100% of Premium for Lifetime of Retiree and Spouse	None
Miscellaneous (RASME Members)			
Employees hired on or after June 2, 2015 with at least 5 years of CalPERS Service	$397 per month maximum	None	None
Employees hired prior to June 2, 2015 with at least 15 years of City Service	100% of Premium & Medicare Part B for Lifetime of Retiree and Spouse	100% of Premium & Medicare for Lifetime of Retiree and Spouse	100% of Premium for Lifetime of Retiree and Spouse
Miscellaneous (RADD Members)			
Employees hired on or after January 1, 2009 with at least 5 years of CalPERS Service*	$397 per month maximum	None	None
Employees hired prior to January 1, 2009 with at least 15 years of City Service **	100% of Premium & Medicare Part B for Lifetime of Retiree and Spouse	100% of Premium & Medicare for Lifetime of Retiree and Spouse	100% of Premium for Lifetime of Retiree and Spouse

Note 12 – Other Postemployment Benefits (Continued)

B. General Information about OPEB (Continued)

Benefits Provided (Continued)

Some retirees are eligible for a medical bridge program, in which the City contributes the amount of the maximum of lowest cost single premium rate $397. Eligibility for the medical bridge program is as follows:

RADD	3 years of service
RAME	10 years of service
RPOA, RAFME, RASME	15 years of service
RAMME, RCSEA, Teamsters	20 years of service

Employees Covered

At June 30, 2021, the most recent valuation date, the following current and former employees were covered by the benefit terms under the Plan:

Active employees	457
Transferred and terminated employees	-
Retired employees and beneficiaries	351
Total	808

C. Total OPEB Liability, OPEB Expense and Deferred Outflows/Inflows of Resources Related to OPEB

Total OPEB Liability

The City's total OPEB liability was measured as of June 30, 2022. The total OPEB liability used to calculate the net OPEB liability was determined by an actuarial valuation as of June 30, 2021. The total OPEB liability at June 30, 2023 was $146,960,265.

Actuarial Assumptions

The total OPEB liability in the June 30, 2021 actuarial valuation was determined using the following actuarial assumptions, applied to all periods included in the measurement, unless otherwise specified:

Discount Rate	4.09%
Inflation	2.75%
Aggregate payroll increases	2.75%
Expected long-term investment rate of return	n/a
Mortality, Termination, and Disability	CalPERS 1997-2017 Experience Study
Mortality Improvement Scale	Modified projected fully generational with Scale MP-2021
Healthcare Trend Rate	5.75 to 6.75 percent for 2022-2026, 4.50 to 5.50 percent for 2027-2031+, and 4.00 percent for 2070 and later years; Medicare ages: 4.50 to 5.50 percent for all years.

The actuarial assumptions used in the June 30, 2021 valuation were based on the results of an actuarial experience study for the period July 1, 2020 through June 30, 2021.

Note 12 – Other Postemployment Benefits (Continued)

C. Total OPEB Liability, OPEB Expense and Deferred Outflows/Inflows of Resources Related to OPEB (Continued)

Discount Rate

The discount rate used to measure the total OPEB liability 4.09%. The City's funding policy affects the calculation of liabilities by impacting the discount rate that is used to develop the plan liability and expense. The City is currently financing its OPEB liability on a pay-as-you-go basis, the discount rate used is based on the S&P Municipal Bond 20 Year High Grade Index.

Change in the Total OPEB Liability

	Total OPEB Liability
Balance at June 30, 2021 (Measurement Date)	$ 201,915,922
Changes Recognized for the Measurement Period:	
Service Cost	6,288,802
Interest on the total OPEB liability	4,504,364
Difference between expected and actual experience	(9,975,595)
Changes of assumptions	(50,693,723)
Benefit payments	(5,079,505)
Net Changes during July 1, 2021 to June 30, 2022	(54,955,657)
Balance at June 30, 2022 (Measurement Date)	$ 146,960,265

Sensitivity of the Total OPEB Liability to Changes in the Discount Rate

The following presents the total OPEB liability of the City, as well as what the City's total OPEB liability would be if it were calculated using a discount rate that is 1-percentage-point lower (3.09 percent) or 1-percentage- point higher (5.09 percent) than the current discount rate:

Plan's Total OPEB Liability		
Discount Rate - 1% (3.09%)	Current Discount Rate (4.09%)	Discount Rate + 1% (5.09%)
$ 170,842,296	$ 146,960,265	$ 127,806,516

Sensitivity of the Total OPEB Liability to Changes in the Health Care Cost Trend Rates

The following presents the total OPEB liability of the City, as well as what the City's total OPEB liability would be if it were calculated using healthcare cost trend rates that are 1-percentage-point lower or 1-percentage-point higher than the current healthcare cost trend rates:

Plan's Total OPEB Liability		
-1%	Healthcare Cost Trend Rates	+1%
$ 125,167,805	$ 146,960,265	$ 174,730,174

Note 12 – Other Postemployment Benefits (Continued)

C. Total OPEB Liability, OPEB Expense and Deferred Outflows/Inflows of Resources Related to OPEB (Continued)

OPEB Expense and Deferred Outflows of Resources and Deferred Inflows of Resources Related to OPEB

For the fiscal year ended June 30, 2023, the City recognized OPEB expense of $11,796,420. At June 30, 2023, the City reported deferred outflows of resources and deferred inflows of resources related to OPEB from the following sources:

	Deferred outflows of Resources	Deferred inflows of Resources
Employer contributions made subsequent to the measurement date	$ 5,341,214	$ -
Difference between expected and actual experience	4,597,188	(8,978,035)
Changes of assumptions	41,126,755	(47,765,645)
Total	$ 51,065,157	$ (56,743,680)

The difference between projected OPEB plan investment earnings and actual earnings is amortized over a five-year period. The remaining gains and losses are amortized over the expected average remaining service life. The expected average remaining service life is 9 years, which was determined as of June 30, 2021, the beginning of the measurement period, for employees covered by the OPEB plan benefit terms as of the valuation date.

For the OPEB Plan, $5,341,214 was reported as deferred outflows of resources related to OPEB resulting from City's contributions subsequent to the measurement date will be recognized as a reduction of the net OPEB liability in the year ended June 30, 2024. Other amounts reported as deferred outflows of resources related to OPEB will be recognized as future OPEB expense as follows:

Measurement Period Ended June 30	Deferred Outflows/ (Inflows) of Resources
2024	$ 1,003,254
2025	1,236,242
2026	1,358,168
2027	212,961
2028	(898,831)
Thereafter	(13,931,531)
	$ (11,019,737)

Note 13 – Risk Management

A. Coverage

On June 30, 2023, and throughout 2022-2023, the City was self-insured for the first $1,000,000 per occurrence for commercial general liability and automobile liability. The City purchased excess liability insurance to provide additional coverage of $10,000,000 per occurrence with a $10,000,000 aggregate. The City also purchased airport liability insurance including commercial general liability, personal & advertising injury, products completed, and hanger keepers limit in a single limit liability amount of $10,000,000 per occurrence. For workers' compensation and employer's liability, the City was self-insured for $1,000,000 per occurrence with excess coverage of $25,000,000 for worker's compensation per occurrence with a $25,000,000 aggregate, and $1,000,000 for employer's liability per occurrence.

B. Claims Activity

At June 30, 2023, $4,306,893 and $11,219,000 have been accrued for general liability and workers' compensation claims, respectively. All funds of the City participate in the worker's compensation program and make payments to the Workers' Compensation Internal Service Fund based on estimates of the amounts needed to pay prior and current year claims. The Liability Insurance Internal Service Fund receives an annual operating transfer from the General Fund to cover operating costs including payment of claims. The liability for unpaid claims for general liability and workers' compensation is discounted to reflect anticipated future investment earnings, assuming a five percent interest rate. Settled claims have not exceeded the commercial coverage in the past three years.

The accruals indicated above represent estimates of amounts to be paid for reported claims and incurred but not reported claims based upon past experience, modified for current trends and information. While the ultimate amounts of losses incurred through June 30, 2023, are dependent on future developments, based upon information provided from the City Attorney, outside counsel and others involved with the administration of the programs, the City's management believes that the aggregate accrual is adequate to cover such losses.

A summary of the changes in claims liabilities for the past three fiscal years follows:

	Beginning of Fiscal Year Liability	Current Year Claims and Changes in Estimates	Claim Payments	Balance at Fiscal Year End	Due Within One Year	Due in More than One Year
General Liability						
2023	$ 2,595,507	$ 2,374,997	$ (663,611)	$ 4,306,893	$ 2,153,447	$ 2,153,446
2022	2,433,336	703,762	(541,591)	2,595,507	1,297,754	1,297,753
2021	1,969,244	1,735,798	(1,271,706)	2,433,336	1,216,668	1,216,668
Workers' Compensation						
2023	$ 12,171,624	$ 185,188	$ (1,137,812)	$ 11,219,000	$ 5,609,500	$ 5,609,500
2022	9,866,999	3,450,641	(1,146,016)	12,171,624	6,085,812	6,085,812
2021	8,559,266	2,452,259	(1,144,526)	9,866,999	4,933,500	4,933,499

Note 14 – Fund Balance and Net Position

A. Fund Balance/Net Position Deficits

At June 30, 2023 the Governmental Activities Statement of Net Position had an unrestricted net position deficit of $(88,121,189).

At June 30, 2023, the following funds had a fund balance (deficit) or unrestricted net position (deficit):

Fund	Fund Type	Deficit
Public Facilities Development Fund	Special Revenue Fund	$ (6,161,839)
Governmental Grants Fund	Special Revenue Fund	(1,077,326)
Transportation Development Act Fund	Special Revenue Fund	(680,745)
Disposal Fund	Enterprise Fund	(1,521,429)
General Liability Self-Insurance Fund	Internal Service Fund	(4,977,597)
Workers' Compensation Self-Insurance Fund	Internal Service Fund	(8,243,351)
Utility Billing Fund	Internal Service Fund	(3,161,791)

Special Revenue Funds

A net deficit of $6,161,839 exists in the Public Facilities Development fund due to unpaid advances owed to the General Fund for debt service payments made on the Public Facilities Development fund's behalf. Future development impact fees will be used to repay this advance and reduce the fund deficit.

A net deficit of $1,077,326 exists in the Governmental Grants Fund. This fund deficit is a result of expenditures that have not been submitted for grant reimbursement and reimbursements that have not been received. This net deficit will be eliminated when the grant funds are received in future years.

A net deficit of $680,745 exists in the Transportation Development Act Fund. This fund deficit is a result of the timing of grant reimbursements. This net deficit will be eliminated during the upcoming fiscal year.

Enterprise Funds

A net deficit of $1,560,896 exists in the Disposal Fund as a result of the City's implementation of GASB Statements No. 68 and 75, which required the reporting of the fund's proportionate share of the City's net pension liability and other post-employment benefits liability, respectively. Management expects to continue to carefully monitor this fund and intends to alleviate this net deficit through cost containment measures and continued pension contributions towards its unfunded liability.

Internal Service Funds

A net deficit of $4,977,597 exists in the Liability Self-Insurance Fund due to new and existing claims. Management expects to continue to carefully monitor this fund and intends to alleviate this net deficit through increased charges to other funds for cost recovery and instituting cost containment measures.

A net deficit of $8,248,351 exists in the Workers' Compensation Self-Insurance Fund due to new and existing claims. Management expects to continue to carefully monitor this fund and intends to alleviate this net deficit through increased cost recovery charges, instituting cost containment measures.

Note 14 – Fund Balance and Net Position (Continued)

A. Fund Balance/Net Position Deficits (Continued)

A net deficit of $3,161,791 exists in the Utility Billing Fund. This fund deficit is a result of the City's implementation of GASB Statement No. 68 and 75 which required reporting of the fund's proportionate share of the City's net pension liability and other post-employment benefits, respectively. This net pension liability and other post-employment benefits created the corresponding net deficit, these will be reduced by continued pension contributions in future years.

B. Expenditures Exceeding Appropriations

For the year ended June 30, 2023, expenditures exceeded appropriations in the following funds by function/department:

Fund	Function	Excess Expenditures over Appropriations
General Fund	General government:	
	City council	$ 28,371
	Facilities	83,372
	Animal services	76,406
	Library	211,382
Public Facilities Development Special Revenue Fund	Debt service:	
	Interest and fiscal charges	178,244
Open Space Special Revenue Fund	Culture and recreation	1,782
Parking Authority Special Revenue Fund	General government	195
Asset Forfeiture Special Revenue Fund	Capital outlay	7,994
Park and Open Space Special Revenue Fund	Culture and recreation	5,888
	Capital outlay	2,392
Freeway Interchanges Special Revenue Fund	Highway and streets	38,533
	Capital outlay	2,224,016
CFD 2004-1 Assessment Special Revenue Fund	General government	52,838
Public Art Special Revenue Fund	Culture and recreation	800

Note 15 – Fund Balance Classification

At June 30, 2023, the City reports the following fund balance classifications:

	General Fund	Public Facilities Development Special Revenue Fund	Governmental Grants Special Revenue Fund	Non-major Governmental Funds	Total
Nonspendable					
Prepaid items	$ 524,050	$ -	$ 528,897	$ 15,730	$ 1,068,677
Endowment - non-expendable	-	-	-	30,200	30,200
Advances to other funds	7,690,541	-	-	-	7,690,541
Total nonspendable	8,214,591	-	528,897	45,930	8,789,418
Restricted					
Donations	595,902	-	-	-	595,902
PEG Fees	664,781	-	-	-	664,781
Public safety	-	-	-	560,656	560,656
Police programs and equipment	-	-	-	1,699,668	1,699,668
Public art	-	-	-	9,411	9,411
Street reconstruction/improvement projects	-	-	-	6,454,361	6,454,361
Debt service	-		-	559,509	559,509
Storm drain improvements	-	-	-	2,545,321	2,545,321
Endowment - expendable	-	-	-	29,393	29,393
CFD assessment	-	-	-	103,264	103,264
Total restricted	1,260,683	-	-	11,961,583	13,222,266
Committed					
Stabilization agreement	9,794,310	-	-	-	9,794,310
Park and open space acquisition/improvement	-	-	-	4,297,144	4,297,144
Public benefit: parks, recreation, trails, open space, and improvements	2,698,388	-	-	-	2,698,388
Street reconstruction/improvement projects	-	-	-	7,596,206	7,596,206
Total committed	12,492,698	-	-	11,893,350	24,386,048
Assigned					
Public works	2,353,968	-	-	-	2,353,968
Capital projects	33,346,831	-	-	2,325,558	35,672,389
Total assigned	35,700,799	-	-	2,325,558	38,026,357
Unassigned (deficit)	53,289,070	(6,161,839)	(1,606,223)	(680,895)	44,840,113
Total fund balances (deficit)	$ 110,957,841	$ (6,161,839)	$ (1,077,326)	$ 25,545,526	$ 129,264,202

Note 16 – Net Investment in Capital Assets

Net Investment in Capital Assets at June 30 consisted of the following:

	Governmental Activities	Business-Type Activities
Net investment in capital assets:		
Capital assets, nondepreciable	$ 389,874,861	$ 46,416,750
Capital assets, depreciable/amortizable, net	205,789,256	159,180,411
Long-term debt:		
I-Bank Sports Park	(1,154,446)	-
Finance purchase agreement	(3,204,120)	(401,555)
Lease liability	(832,107)	(523,407)
Subscription liability	(185,429)	-
Solid Waste Revenue Bonds, Series 2013A	-	(1,660,000)
California Recycled Water Project	-	(703,585)
Safe Drinking Water Project	-	(1,282,305)
Hinckley Water Treatment Plant Upgrade	-	(6,246,664)
I-Bank Solid Waste	-	(2,041,318)
I-Bank City Streets	-	(2,263,095)
Total net investment in capital assets	$ 590,288,015	$ 190,475,232

Note 17 – Successor Agency Private Purpose Trust for Assets of Former Redevelopment

On December 29, 2011, the California Supreme Court upheld Assembly Bill 1X 26 ("the Bill") that provides for the dissolution of all redevelopment agencies in the State of California. This action impacted the reporting entity of the City of Redlands that previously had reported a redevelopment agency within the reporting entity of the City as a blended component unit.

The Bill provides that upon dissolution of a redevelopment agency, either the city or another unit of local government will agree to serve as the "successor agency" to hold the assets until they are distributed to other units of state and local government. On November 1, 2011, the City Council elected to become the Successor Agency for the former redevelopment agency in accordance with the Bill.

After enactment of the law, which occurred on June 28, 2011, redevelopment agencies in the State of California cannot enter into new projects, obligations or commitments. Subject to the control of a newly established oversight board, remaining assets can only be used to pay enforceable obligations in existence at the date of dissolution (including the completion of any unfinished projects that were subject to legally enforceable contractual commitments).

In future fiscal years, successor agencies will only be allocated revenue in the amount that is necessary to pay the estimated annual installment payments on enforceable obligations of the former redevelopment agency until all enforceable obligations of the prior redevelopment agency have been paid in full and all assets have been liquidated.

The Bill directs the State Controller of the State of California to review the propriety of any transfers of assets between redevelopment agencies and other public bodies that occurred after January 1, 2011. If the public body that received such transfers is not contractually committed to a third party for the expenditure or encumbrance of those assets, the State Controller is required to order the available assets to be transferred to the public body designated as the successor agency by the Bill.

Note 17 – Successor Agency Private Purpose Trust for Assets of Former Redevelopment (Continued)

In accordance with the timeline set forth in the Bill (as modified by the California Supreme Court on December 29, 2011) all redevelopment agencies in the State of California were dissolved and ceased to operate as a legal entity as of February 1, 2012. After the date of dissolution, the assets and activities of the dissolved redevelopment agency are reported in a fiduciary fund (private-purpose trust fund) in the financial statements of the City.

Final dissolution of the Successor Agency of the Former Redevelopment Agency of the City of Redlands will take place in the fiscal year ending 2024.

Note 18 – Tax Abatements – Economic Development Incentives

GASB Statement No. 77, defines tax abatements as resulting from an agreement between a government and an individual or entity in which the government promises to forgo tax revenues and the individual or entity promises to subsequently take a specific action that contributes to the economic development or otherwise benefits the government or its citizens. According to GASB No. 77, the substance of these agreements meet the definition of "tax abatements" as the revenues received were not available for general municipal services purposes, but rather used to effectively reduce the net tax liability of certain taxpayers per the conditions of an agreement.

The City offers an economic development incentive program to the entities that propose to locate or expand already established businesses within the City. This incentive program is expected to provide a stimulus to the City's economy, increase the tax base and create jobs. Each of the agreements entered into by the City, provides for a rebate of taxes paid to the City according to formulas contained in the agreements. These limited term agreements provide for a sharing of the taxes (percentage rebates) above certain amounts with a maximum rebate not to exceed the cost of a business' improvements and/or development impact fees. The City generally expects to receive increased revenue as a result of these agreements. These incentive agreements require approval by the City Council.

The City currently has two of these agreements in effect. For the fiscal year ended June 30, 2023, under this program the City had abatements of sales tax totaling $122,655. Pursuant to the Sales and Use Tax law (chapter 8 – Article 1 – section 7056), in order to protect the confidential information of sales taxes collected and abatements provided to each of the specific agencies, the City has presented the aggregate amount abated during the current fiscal year.

Note 19 – Endowments

Simonds Endowment

The amount of net appreciation available for expenditure in the Simonds Endowment Fund is $27,455. This available amount is reflected as fund balance. The endowment corpus is $10,000 and is reflected as nonspendable fund balance. In California, Endowments are subject to the requirements of the Uniform Prudent Management of Institutional Funds Act (UPMIFA), specifically Cal. Probate Code §18504. State law governing the City's ability to spend the net appreciation provides that the City may appropriate "so much of an endowment fund as the institution determines is prudent for the uses, benefits, purposes, and duration for which the endowment fund is established […]". The City's policy for authorizing and spending the investment income is governed by City Council authorization and appropriation authority, as well as the agreement of Endowment of the Simonds Parkway, dated December 14, 1985. Provisions of that agreement include, among other things, that interest generated on a per annum basis may be expended for providing maintenance, materials, and equipment solely at the Simonds Parkway.

Note 19 – Endowments (Continued)

Pauline Stancliff Memorial Trust

The amount of net appreciation available for expenditure in the Pauline Stancliff Memorial Trust Fund is $1,938. This available amount is reflected as fund balance. The endowment corpus is $20,200 and is reflected as nonspendable fund balance. In California, Endowments are subject to the requirements of the Uniform Prudent Management of Institutional Funds Act (UPMIFA), specifically Cal. Probate Code §18504. State law governing the City's ability to spend the net appreciation provides that the City may appropriate "so much of an endowment fund as the institution determines is prudent for the uses, benefits, purposes, and duration for which the endowment fund is established". The City's policy for authorizing and spending the investment income is governed by City Council authorization and appropriation authority, as well as a minute motion on July 26, 2012 establishing a memorial trust fund in the name of Pauline Stancliff to be used for creating programs which focus on the goal of improving the quality of life for seniors who attend the Joslyn Senior Center.

Note 20 – Prior Period Adjustments

A. Government-Wide Financial Statements

The beginning fund balance at July 1, 2022 of the Governmental-Wide Financial Statements was restated as follows:

	Governmental Activities	Business-Type Activities
Net position, as previously reported, at July 1, 2022	$ 434,611,881	$ 220,865,136
To implement GASB 96 *Subscription-based information technology arrangements (SBITAs)*	189,119	53,218
Net position at July 1, 2022, as restated	$ 434,801,000	$ 220,918,354

B. Proprietary Fund Financial Statements

The beginning fund balance at July 1, 2022 of the Proprietary Fund Financial Statements was restated as follows:

	Information Technology Internal Service Fund	Water Enterprise Fund
Net position (deficit), as previously reported, at July 1, 2022	$ (1,909,725)	$ 145,387,357
To implement GASB 96 *Subscription-based information technology arrangements (SBITAs)*	189,119	53,218
Net position (deficit) at July 1, 2022, as restated	$ (1,720,606)	$ 145,440,575

Note 21 – Commitments and Contingencies

A. Litigation

The City is currently a party to various claims and legal proceedings. Although the outcome of these lawsuits is not presently determinable, it is management's opinion that the ultimate liabilities, if any, resulting from such claims and proceedings will not materially affect the financial position of the City.

B. Sales Tax – Donut Hole

In 1998, the voters of California approved Proposition No. 11 which amended Article XIII, Section 29 of the California Constitution to allow cities and counties to enter into contracts to apportion sales and use tax revenue, by ordinance or resolution, and upon approval by a two-thirds vote of the legislative bodies of the parties to the contract. The City has provided in its contract with the County of San Bernardino that the benefit of receiving the sales and use tax revenue generated by businesses located in the unincorporated area of the Donut Hole, in exchange for the City's provision of municipal services, will terminate on December 31, 2003, unless an extension of the term of the contract beyond December 31, 2003, is consented to by a majority vote of the qualified voters of the City. The term has been extended beyond December 31, 2003, under the Ordinance No. 2550. The County of San Bernardino and the City apportion the sales and use tax revenue generated by businesses located in the Donut Hole generally on the basis of ninety percent (90 percent) of such sales and use tax revenue being provided to the City and ten percent (10 percent) of such sales and use tax revenue being provided to the County.

C. Federal and State Grants

The City participates in various federal grant programs, the principal of which are subject to program compliance audits pursuant to the Single Audit act as amended. Accordingly, the City's compliance with applicable grant requirements will be established at a future date. The amount of expenditures which may be disallowed by the granting agencies cannot be determined at this time, although the City anticipates such amounts, if any, will be immaterial.

Note 21 – Commitments and Contingencies (Continued)

D. Contractual Commitments

The City has capital contractual commitments for which funds have been encumbered as of June 30, 2023. Encumbrances related to capital projects are funded through the current year appropriated budget, which carries over to the following year.

The following contractual construction commitments existed at June 30, 2023:

Project Title	Commitment
General Fund	
2022 Alley Paving Improvements - General Fund Portion	$ 1,582,000
2022 Citywide Sidewalk & ADA Ramp Replacement	392,787
EOC Office Reconfiguration	115,624
Fire Station 262 Architectural Design	47,977
GapVax Combination Jet/Vac Truck for Streets	657,806
Joslyn Senior Center Renovation - General Fund Portion	13,674
Network Infrastructure Equipment for 300 State St.	30,955
Prospect Park Lighting	361,173
Redlads Bowl Improvements	719,768
Rectangular Rapid Flashing Beacon Signs & In-Pavement Crosswalk System	72,242
Senior Center Outdoor Dining Construction - General Fund Portion	1,821
Total for General Fund	3,995,827
Governmental Grants Special Revenue Fund	
Architectural Design of Metal Shelter for HHW Site	12,420
Joslyn Senior Center Renovation - Grant Portion	248,410
Senior Center Outdoor Dining Construction - Grant Portion	11,862
Total for Governmental Grants Special Revenue Fund	272,692
Water Fund	
2022 CIP Water Pipeline Replacement	3,035,970
Automated Metering Infrastructure	783,357
Peterbilt CNG Truck with Hydraulic Telescopic Crane - Water Portion	265,456
PMP 2022 Street Resurfacing Project - Water Fund Portion	176,637
Tate Water Treatment Plant Influent Line Replacement	326,594
Water SCADA System Upgrade	4,727,968
Total for Water Fund	9,315,982
Solidwaste Fund	
Solidwaste Vehicles	3,432,041
Total for Solidwaste Fund	3,432,041
Wastewater Fund	
2022 CIP Sewer Pipeline Replacement	3,314,268
Design services for Sewer Treatment Facility	30,859
Peterbilt CNG Truck with Hydraulic Telescopic Crane - Wastewater Portion	265,456
Thermo Scientific Sorvall Package	9,774
Total for Wastewater Fund	3,620,357

Note 21 – Commitments and Contingencies (Continued)

D. Contractual Commitments (Continued)

Project Title	Commitment
Non-Major Funds	
2022 Alley Paving Improvements - PARIS Fund Portion	500,000
Design & Construction Mgmnt of a Public Safety Facility - Safety/City Hall Replacement	2,127,993
Law Enforcement Drones - Asset Forfeiture Fund	22,087
PMP 2022 Street Resurfacing Project - PARIS Fund Portion	3,109,734
Redlands Passenger Rail Project Platform Construction-Air Quality Improvement Fund	121,642
Traffic Signal Improvements Project - Traffic Signals Fund	279,704
WWTP Recycled Water Reservoir Project - Nonpotable Water Fund	337,586
Total for Non-Major Funds	6,498,746
Internal Service Funds	
Dell Technologies-Poweredge R750 Enterprise Server	30,793
Utility Billing Wall Insert Kiosk	43,171
Total for Interal Service Funds	73,964
Total for City	$ 27,209,609

REQUIRED SUPPLEMENTARY INFORMATION
(UNAUDITED)

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City of Redlands
Required Supplementary Information (Unaudited)
Budgetary Information
For the Year Ended June 30, 2023

Budgetary Information

Budgets are legally adopted and formal budgetary integration is employed as a management control device during the year for all governmental fund types. The budget is prepared in accordance with accounting principles generally accepted in the United States of America. From the effective date of the budget, the amounts stated therein as proposed expenditures become appropriations to the various City departments.

The City Council may amend the budget only during a regular meeting, providing that sufficient monies are available and that expenditures of proceeds of taxes will not be increased beyond the constitutional appropriation limit as imposed by Article XIIIB of the State Constitution.

The City's formal budgetary process begins at the operating program level. Departmental budgets are comprised of the various operating program budgets. Operating programs do not cross departmental lines. Individual fund budgets consist of the departmental budgets; departmental budgets may cross fund lines.

Individual fund budgets are, in all cases where appropriations are required, the same as the appropriation amounts. In the case of the Governmental Fund types, unexpended budgeted amounts, except for amounts relating to capital projects, lapse at the end of the budget year. Spending control (legal level) for most funds is established by the amount of expenditures budgeted at the departmental and function levels. Accordingly, the General Fund expenditures are displayed in the supplementary schedules at the department level and the Special Revenue, Debt Service, Capital Projects, and Permanent Funds expenditures are displayed at the function level. Management control is exercised at the line item level in each operating program. Management can transfer budgeted amounts within operating programs, departments or funds, provided that such transfers do not increase the overall budget. Appropriations that increase the budget require City Council approval.

City of Redlands
Required Supplementary Information (Unaudited) (Continued)
Budgetary Comparison Schedules – General Fund
For the Year Ended June 30, 2023

	Budgeted Amounts		Actual Amounts	Variance with Final Budget Favorable/ (Unfavorable)
	Original	Final		
REVENUES:				
Property taxes	$ 36,699,757	$ 36,699,757	$ 38,511,905	$ 1,812,148
Sales and use taxes	46,099,791	46,099,791	48,632,853	2,533,062
Other taxes	2,165,473	2,165,473	3,109,696	944,223
Franchise fees	2,595,483	2,595,483	4,487,821	1,892,338
Licenses and permits	7,815,609	7,815,609	8,862,824	1,047,215
Fines and forfeitures	135,000	135,000	241,830	106,830
Intergovernmental	731,500	731,500	453,475	(278,025)
Charges for services	7,060,722	7,060,722	7,420,190	359,468
Investment income (loss)	200,000	200,000	327,573	127,573
Rents and leases	2,037,396	2,037,396	1,821,671	(215,725)
Miscellaneous	1,409,799	1,953,499	2,391,443	437,944
Total revenues	106,950,530	107,494,230	116,261,281	8,767,051
EXPENDITURES:				
Current:				
General government				
City council	556,249	556,249	584,620	(28,371)
City clerk	596,699	596,699	370,465	226,234
City manager	7,282,038	7,466,693	5,964,192	1,502,501
Finance	2,752,726	3,011,412	2,566,262	445,150
City attorney	775,452	775,452	744,620	30,832
Development services	5,014,691	5,863,625	4,563,886	1,299,739
Facilities	5,142,453	5,778,174	5,861,546	(83,372)
Public works engineering	971,058	1,563,372	1,057,704	505,668
Public safety				
Police	34,371,836	35,019,721	31,175,376	3,844,345
Fire	17,750,868	18,103,567	16,216,275	1,887,292
Animal Services	797,656	842,656	919,062	(76,406)
Culture and recreation				
Community services	1,976,583	1,997,144	1,771,204	225,940
Parks	5,057,641	5,331,925	5,389,231	(57,306)
Highway and streets				
Electrical and streets	4,336,040	5,336,383	5,290,295	46,088
Library	2,913,709	2,913,708	3,125,090	(211,382)

City of Redlands
Required Supplementary Information (Unaudited) (Continued)
Budgetary Comparison Schedules – General Fund (Continued)
For the Year Ended June 30, 2023

	Budgeted Amounts		Actual Amounts	Variance with Final Budget Favorable/ (Unfavorable)
	Original	Final		
Capital outlay	6,258,113	14,528,131	5,650,480	8,877,651
Debt service:				
Principal	353,590	3,479,509	860,759	2,618,750
Interest and fiscal charges	1,542,270	1,776,570	386,241	1,390,329
Total expenditures	98,449,672	114,940,990	92,497,308	22,443,682
REVENUES OVER (UNDER) EXPENDITURES	8,500,858	(7,446,760)	23,763,973	31,210,733
OTHER FINANCING SOURCES (USES):				
Inception of lease liability	-	-	384,011	384,011
Transfers in	2,636,093	2,636,093	2,307,193	(328,900)
Transfers out	(8,280,758)	(8,508,458)	(8,937,560)	(429,102)
Total other financing sources (uses)	(5,644,665)	(5,872,365)	(6,246,356)	(373,991)
Net change in fund balance	$ 2,856,193	$ (13,319,125)	17,517,617	$ 30,836,742
FUND BALANCE:				
Beginning of year			93,440,224	
End of year			$ 110,957,841	

City of Redlands
Required Supplementary Information (Unaudited) (Continued)
Budgetary Comparison Schedules – Public Facilities Development Special Revenue Fund
For the Year Ended June 30, 2023

	Budgeted Amounts		Actual Amounts	Variance with Final Budget Favorable/ (Unfavorable)
	Original	Final		
REVENUES:				
Charges for services	$ 1,120,000	$ 1,120,000	$ 283,772	$ (836,228)
Total revenues	1,120,000	1,120,000	283,772	(836,228)
EXPENDITURES:				
Current:				
General government	20,500	20,500	5,675	14,825
Debt service:				
Interest and fiscal charges	-	-	178,244	(178,244)
Total expenditures	20,500	20,500	183,919	(163,419)
REVENUES OVER (UNDER) EXPENDITURES	1,099,500	1,099,500	99,853	(999,647)
Net change in fund balance	$ 1,099,500	$ 1,099,500	99,853	$ (999,647)
FUND BALANCE (DEFICIT):				
Beginning of year			(6,261,692)	
End of year			$ (6,161,839)	

City of Redlands
Required Supplementary Information (Unaudited) (Continued)
Budgetary Comparison Schedules – Governmental Grants Special Revenue Fund
For the Year Ended June 30, 2023

	Budgeted Amounts		Actual Amounts	Variance with Final Budget Favorable/ (Unfavorable)
	Original	Final		
REVENUES:				
Intergovernmental	$ -	$ 25,703,711	$ 4,545,209	$ (21,158,502)
Investment income (loss)	-	-	38	38
Total revenues	-	25,703,711	4,545,247	(21,158,464)
EXPENDITURES:				
Current:				
General government	-	15,318,067	2,688,212	12,629,855
Public safety	-	616,380	153,948	462,432
Culture and recreation	-	74,242	23,493	50,749
Capital outlay	-	9,110,597	2,425,421	6,685,176
Total expenditures	-	25,119,696	5,291,074	19,828,622
REVENUES OVER (UNDER) EXPENDITURES	-	584,015	(745,827)	(1,329,842)
OTHER FINANCING SOURCES (USES):				
Transfers in	-	-	97	97
Total other financing sources (uses)	-	-	97	97
Net change in fund balance	$ -	$ 584,015	(745,730)	$ (1,329,745)
FUND BALANCE (DEFICIT):				
Beginning of year			(331,596)	
End of year			$ (1,077,326)	

City of Redlands
Required Supplementary Information (Unaudited) (Continued)
Schedule of Changes in the Net Pension Liability and Related Ratios
For the Year Ended June 30, 2023

Miscellaneous Plan

Measurement period, year ended	6/30/2022	6/30/2021	6/30/2020	6/30/2019	6/30/2018	6/30/2017	6/30/2016	6/30/2015	6/30/2014 [1]
Total pension liability									
Service cost	$ 3,969,259	$ 3,525,116	$ 3,365,376	$ 3,334,799	$ 3,368,018	$ 3,278,844	$ 2,780,753	$ 2,735,046	$ 2,703,390
Interest on total pension liability	12,856,892	12,569,714	12,119,433	11,680,277	11,240,326	10,868,639	10,539,757	10,224,502	9,786,094
Differences between expected and actual experience	(1,568,849)	247,796	270,034	419,589	529,928	285,453	(1,148,342)	334,519	-
Changes in assumptions	5,704,014	-	-	-	(874,625)	8,600,283	-	(2,403,446)	-
Changes in benefit terms	-	-	-	-	-	-	-	-	-
Benefit payments, including refunds of employee contributions	(10,197,185)	(9,643,784)	(9,385,911)	(8,930,778)	(8,785,537)	(8,512,367)	(7,929,573)	(7,496,594)	(7,031,419)
Net change in total pension liability	10,764,131	6,698,842	6,368,932	6,503,887	5,478,110	14,520,852	4,242,595	3,394,027	5,458,065
Total pension liability - beginning	185,310,577	178,611,735	172,242,803	165,738,916	160,260,806	145,739,954	141,497,359	138,103,332	132,645,267
Total pension liability - ending (a)	$196,074,708	$185,310,577	$178,611,735	$172,242,803	$165,738,916	$160,260,806	$145,739,954	$141,497,359	$138,103,332
Plan fiduciary net position									
Contributions - employer	6,083,423	5,653,857	5,163,971	4,543,195	$ 3,856,431	$ 3,706,235	$ 3,297,550	$ 2,749,274	$ 2,614,893
Contributions - employee	1,630,007	1,628,531	1,617,023	1,587,404	1,444,993	1,461,526	1,324,766	1,219,187	1,378,971
Investment income (net of administrative expens	(11,815,363)	29,305,630	6,312,755	7,923,614	9,732,163	11,870,046	602,969	2,473,614	16,743,903
Benefit payments	(10,197,185)	(9,643,784)	(9,385,911)	(8,930,778)	(8,785,537)	(8,512,367)	(7,929,573)	(7,496,594)	(7,031,419)
Plan to plan resources	-	-	-	283	(343,451)	-	-	-	-
Other	(97,846)	(130,119)	(178,655)	(86,841)	(180,708)	(158,865)	(67,266)	(121,971)	-
Net change in plan fiduciary net position	(14,396,964)	26,814,115	3,529,183	5,036,877	5,723,891	8,366,575	(2,771,554)	(1,176,490)	13,706,348
Plan fiduciary net position - beginning	157,071,006	130,256,891	126,727,708	121,690,831	115,966,940	107,600,365	110,371,919	111,548,409	97,842,061
Plan fiduciary net position - ending (b)	$142,674,042	$157,071,006	$130,256,891	$126,727,708	$121,690,831	$115,966,940	$107,600,365	$110,371,919	$111,548,409
Net pension liability - ending (a)-(b)	$ 53,400,666	$ 28,239,571	$ 48,354,844	$ 45,515,095	$ 44,048,085	$ 44,293,866	$ 38,139,589	$ 31,125,440	$ 26,554,923
Plan fiduciary net position as a percentage of the total pension liability	72.77%	84.76%	72.93%	73.58%	73.42%	72.36%	73.83%	78.00%	80.77%
Covered payroll	$ 23,450,886	$ 22,767,850	$ 22,631,158	$ 22,121,385	$ 19,836,302	$ 20,199,995	$ 18,953,660	$ 17,548,793	$ 16,826,776
Net pension liability as a percentage of covered payroll	227.71%	124.03%	213.66%	205.75%	222.06%	219.28%	201.23%	177.37%	157.81%

Notes to Schedule:

Benefit changes: The figures above do not include any liability impact that may have resulted from plan changes which occurred after June 30, 2014. This applies for voluntary benefit changes as well as any offers of Two Years of Additional Service Credit (a.k.a. Golden Handshakes).

[1] Information only presented from the implementation year

City of Redlands
Required Supplementary Information (Unaudited) (Continued)
Schedule of Changes in the Net Pension Liability and Related Ratios (Continued)
For the Year Ended June 30, 2023

Safety Plan

Measurement period, year ended	6/30/2022	6/30/2021	6/30/2020	6/30/2019	6/30/2018	6/30/2017	6/30/2016	6/30/2015	6/30/2014 [1]
Plan's proportion of the net pension liability	1.475939%	1.660061%	0.809500%	0.790200%	0.779400%	0.746000%	0.748700%	0.737700%	0.689500%
Plan's proportionate share of the net pension liability	$101,420,265	$ 58,259,612	$ 88,080,547	$ 80,975,102	$ 75,109,650	$ 73,979,298	$ 64,784,346	$ 50,633,826	$ 42,905,786
Plan's covered-employee payroll	$ 17,938,242	$ 17,415,769	$ 17,522,750	$ 17,236,908	$ 14,894,900	$ 14,827,015	$ 14,604,289	$ 14,342,189	$ 14,292,490
Plan's proportionate share of the net pension liability as a percentage of covered-employee payroll	565.39%	334.52%	502.66%	469.78%	504.26%	498.95%	443.60%	353.04%	300.20%
Plan's fiduciary net position	$223,139,182	$244,268,089	$200,216,677	$195,371,697	$188,434,296	$182,071,554	$172,261,918	$178,611,604	$160,060,272
Plan's fiduciary net position as a percentage of the total pension liability	68.75%	80.74%	69.45%	70.70%	71.50%	71.11%	72.67%	77.91%	78.86%
Plan's proportionate share of aggregate employer contributions	$ 10,344,274	$ 9,582,627	$ 8,703,374	$ 7,448,780	$ 6,211,050	$ 5,886,486	$ 5,126,655	$ 4,246,980	$ 4,977,335

[1] Information only presented from the implementation year

City of Redlands
Required Supplementary Information (Unaudited) (Continued)
Schedule of Contributions – Pension
For the Year Ended June 30, 2023

Miscellaneous Plan

Fiscal Year:	2022-23	2021-22	2020-21	2019-20	2018-19	2017-18	2016-17	2015-16	2014-15[1]
Contractually determined contribution (actuarially determined)	$ 6,627,610	$ 6,077,846	$ 5,676,210	$ 5,159,972	$ 4,472,807	$ 3,797,781	$ 3,705,781	$ 3,297,550	$ 2,749,274
Contributions in relation to the actuarially determined contributions	(6,627,610)	(6,077,846)	(5,676,210)	(5,159,972)	(4,472,807)	(3,797,781)	(3,705,781)	(3,297,550)	(2,749,274)
Contribution deficiency (excess)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Covered payroll	$24,154,413	$23,450,886	$22,767,850	$22,631,158	$22,121,385	$19,836,302	$20,199,995	$18,953,660	$17,548,793
Contributions as a percentage of covered payroll	27.44%	25.92%	24.93%	22.80%	20.22%	19.15%	18.35%	17.40%	15.67%

Notes to Schedule

Methods and assumptions used to determine contribution rates for the fiscal year ended June 30, 2023:

The actuarial methods and assumption used to set the actuarially determined contributions for Fiscal Year 2023 were derived from the June 30, 2020 funding valuation report.

Actuarial cost method	Entry Age Normal
Amortization method/period	For details, see June 30, 2020 Funding Valuation Report
Asset valuation method	Actuarial Value of Assets. For details, see June 30, 2020 Funding Valuation Report.
Inflation	2.50%
Salary increases	Varies by entry age and service
Payroll growth	2.750%
Investment rate of return	7.00% net of pension plan investment and administrative expenses.
Retirement age	The probabilities of retirement are based on the 2017 CalPERS Experience Study for the period from 1997 and 2015.
Mortality	The probabilities of mortality are based on the 2017 CalPERS Experience Study for the period from 1997 to 2015. Pre-retirement and Post-retirement mortality rates include 15 years of projected mortality improvement using 90% of Scale MP-2016 published by the Society of Actuaries.

[1] Information only presented from the implementation year

City of Redlands
Required Supplementary Information (Unaudited) (Continued)
Schedule of Contributions – Pension (Continued)
For the Year Ended June 30, 2023

Safety Plan

Fiscal Year:	2022-23	2021-22	2020-21	2019-20	2018-19	2017-18	2016-17	2015-16	2014-15[1]
Contractually determined contribution (actuarially determined)	$11,063,552	$10,344,274	$ 9,582,627	$ 8,703,374	$ 7,448,780	$ 6,211,050	$ 5,886,486	$ 5,126,655	$ 4,246,980
Contributions in relation to the actuarially determined contributions	(11,063,552)	(10,344,274)	(9,582,627)	(8,703,374)	(7,448,780)	(6,211,050)	(5,886,486)	(5,126,655)	(4,246,980)
Contribution deficiency (excess)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Covered payroll	$18,476,389	$17,938,242	$17,415,769	$17,522,750	$17,236,908	$14,894,900	$14,827,015	$14,604,289	$14,342,189
Contributions as a percentage of covered payroll	59.88%	57.67%	55.02%	49.67%	43.21%	41.70%	39.70%	35.10%	29.61%

Notes to Schedule

Methods and assumptions used to determine contribution rates for the fiscal year ended June 30, 2023:

The actuarial methods and assumption used to set the actuarially determined contributions for Fiscal Year 2023 were derived from the June 30, 2020 funding valuation report.

Actuarial cost method	Entry Age Normal
Amortization method/period	For details, see June 30, 2020 Funding Valuation Report
Asset valuation method	Actuarial Value of Assets. For details, see June 30, 2020 Funding Valuation Report.
Inflation	2.50%
Salary increases	Varies by entry age and service
Payroll growth	2.750%
Investment rate of return	7.00% net of pension plan investment and administrative expenses.
Retirement age	The probabilities of retirement are based on the 2017 CalPERS Experience Study for the period from 1997 and 2015.
Mortality	The probabilities of mortality are based on the 2017 CalPERS Experience Study for the period from 1997 to 2015. Pre-retirement and Post-retirement mortality rates include 15 years of projected mortality improvement using 90% of Scale MP-2016 published by the Society of Actuaries.

[1] Information only presented from the implementation year

City of Redlands
Required Supplementary Information (Unaudited) (Continued)
Schedule of Changes in Total OPEB Liability and Related Ratios
For the Year Ended June 30, 2023

Measurement period, year ending:	6/30/2022	6/30/2021	6/30/2020	6/30/2019	6/30/2018	6/30/2017 [1]
Total OPEB liability						
Service cost	$ 6,288,802	$ 4,405,809	$ 4,371,866	$ 4,540,301	$ 4,647,747	$ 4,517,859
Interest	4,504,364	3,775,999	4,254,153	4,744,702	4,497,267	4,351,611
Changes of benefit terms	-	-	-	-	-	
Differences between expected and actual experience	(9,975,595)	3,545,600	139,016	4,588,088	-	-
Changes of assumptions	(50,693,723)	42,967,302	14,314,382	(4,153,914)	(2,485,196)	-
Benefit payments, including refunds of member contributions	(5,079,505)	(4,960,733)	(4,882,065)	(4,526,765)	(4,525,686)	(4,050,613)
Net change in total OPEB liability	(54,955,657)	49,733,977	18,197,352	5,192,412	2,134,132	4,818,857
Total OPEB liability - beginning	201,915,922	152,181,945	133,984,593	128,792,181	126,658,049	121,839,192
Total OPEB liability - ending (a)	$ 146,960,265	$ 201,915,922	$ 152,181,945	$ 133,984,593	$ 128,792,181	$ 126,658,049
OPEB fiduciary net position						
Contributions - employer	$ 5,079,505	$ 4,960,733	$ 4,882,065	$ 4,526,765	$ 4,525,686	$ 4,050,613
Net investment income	-	-	-	-	-	-
Benefit payments, including refunds of member contributions	(5,079,505)	(4,960,733)	(4,882,065)	(4,526,765)	(4,525,686)	(4,050,613)
Administrative expense	-	-	-	-	-	-
Net change in plan fiduciary net position	-	-	-	-	-	-
Plan fiduciary net position - beginning	-	-	-	-	-	-
Plan fiduciary net position - ending (b)	$ -	$ -	$ -	$ -	$ -	$ -
Plan net OPEB liability - ending (a) - (b)	$ 146,960,265	$ 201,915,922	$ 152,181,945	$ 133,984,593	$ 128,792,181	$ 126,658,049
Plan fiduciary net position as a percentage of the total OPEB liability	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Covered-employee payroll	$ 35,920,063	$ 34,958,699	$ 35,722,602	$ 33,975,526	$ 31,410,072	$ 32,062,170
Plan net OPEB liability as a percentage of covered-employee payroll	409.13%	577.58%	426.01%	394.36%	410.03%	395.04%

[1] Information only presented from the implementation year

SUPPLEMENTARY INFORMATION

Non-Major Governmental Funds

Special Revenue Funds:

Emergency Service Fund - This fund is used to account for the collection of a special property tax to be spent on paramedic services.

Household Hazardous Waste Fund - This fund is used to account for revenue collected and expenditures made to properly dispose of household hazardous waste.

State Gas Tax Fund - This fund is used to account for the receipt and subsequent expenditure of the City's share of the State levied tax on gasoline and other vehicle fuels.

Air Quality Improvement Fund - To account for the collection and subsequent expenditure of AB2766 (District Fees to Implement the California Clean Air Act) monies to be used for pollution reduction.

Traffic Safety Fund - This fund is used to account for the receipt of traffic fines for moving violations within the City limits.

Measure I Fund - This fund is used to account for "new" revenues resulting from a voter-approved renewal of a half-cent retail transaction and use tax, to be used for transportation improvements and traffic management programs.

Open Space Fund - This fund is used to account for receipt and subsequent expenditure of developer fees collected to acquire open space land in and around the City.

Downtown Redlands Business Area Fund - This fund is used to account for various activities and special events with the intent of attracting business to the downtown area.

Parking Authority Fund - This fund is used to account for receipt and subsequent expenditure of fees collected as a result of a city-wide authority formed to control parking.

Asset Forfeiture Fund - This fund is used to account for receipt and subsequent expenditure of various asset seizure monies.

Supplemental Law Enforcement Fund - To account for receipt and subsequent expenditure of AB1913 monies, which, pursuant to the Citizens' Option for Public Safety (COPS) Program, must be spent for supplemental law enforcement services.

Park & Open Space Fund - This fund is used to account for the collection and subsequent expenditure of developer fees levied for the purpose of acquiring and developing land for parks and open space.

Arterial Street Construction Fund - To account for the collection and related expenditure of development impact fees designated for arterial street construction projects.

Traffic Signals Fund - This fund is used to account for the collection and related expenditure of development impact fees designated for traffic signal construction projects.

Freeway Interchanges Fund - This fund is used to account for the collection and related expenditure of development impact fees designated for freeway interchange construction projects.

Non-Major Governmental Funds (Continued)

Special Revenue Funds (Continued):

Street Lighting District #1 Fund - This fund is used to account for the maintenance, operation, and service of street lighting facilities financed by assessments collected from landowners within the district.

CFD 2004-1 Assessments Fund - This fund is used to account for the maintenance of landscaping in public right-ofway and easements surrounding tracts within the district.

Landscape Maintenance District Fund - This fund is used to account for assessments collected from landowners to maintain landscaping in parkways and common areas within the district.

Local Transportation Fund - This fund is used to account for the receipt and expenditure of street improvement and road construction funds from various sources including projects financed by State grant activity.

Pavement Accelerated Repair Implementation Strategy (PARIS) Fund - This fund is used to account for the expenditures of the Pavement Accelerated Repair Implementation Strategy (PARIS) program.

Public Art Fund - This fund is used to account for donations and subsequent expenditure on public art installations.

Transportation Development Act Fund - This fund is used to account for the receipt and expenditure of Transportation Development Act revenue received by the City.

Capital Projects Funds:

Safety Hall Replacement Fund - This fund accounts for the collection and related expenditure of development impact fees restricted for constructing new and upgrading existing public facilities.

Storm Drain Construction Fund - This fund is used to account for receipt and subsequent expenditure of developer fees assessed to provide additional storm drains, as required.

Debt Service Funds:

General Debt Service Fund - This fund is used to account for the receipt of property taxes to be used for the retirement of the 2007 Pension Obligation Bonds.

Permanent Funds:

Simonds Endowment Fund - This fund is used to account for the monies endowed by Priscilla Alden Simonds to the City for the Simonds Parkway.

Pauline Stancliff Memorial Trust Fund - This fund is used to account for the monies gifted by Pauline Stancliff to the City for benefit of the Joslyn Senior Center.

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City of Redlands
Combining Balance Sheet
Non-Major Governmental Funds
For the Year Ended June 30, 2023

	Special Revenue Funds				
	Emergency Service Fund	Household Hazardous Waste Fund	State Gas Tax Fund	Air Quality Improvement Fund	Traffic Safety Fund
ASSETS					
Cash and investments	$ 169,394	$ 297,338	$ -	$ 479,530	$ -
Restricted cash and investments	-	-	-	-	-
Accounts receivable, net	-	11,859	-	-	-
Taxes receivable	14,200	-	446,429	-	-
Lease receivable	-	-	-	-	-
Due from other governments	-	-	-	24,208	13,860
Prepaid items	150	-	-	-	-
Total assets	$ 183,744	$ 309,197	$ 446,429	$ 503,738	$ 13,860
LIABILITIES, DEFERRED INFLOWS OF RESOURCES, AND FUND BALANCES					
Liabilities:					
Accounts payable	$ 9,729	$ -	$ -	$ 293,015	$ 2,127
Accrued payroll	174,015	-	-	-	-
Deposits payable	-	-	-	-	-
Unearned revenues	-	-	-	-	-
Due to other funds	-	-	-	-	-
Total liabilities	183,744	-	-	293,015	2,127
Deferred inflows of resources:					
Unavailable revenue	-	-	-	-	-
Deferred inflows related to leases	-	-	-	-	-
Total deferred inflows of resources	-	-	-	-	-
Fund Balances:					
Nonspendable	150	-	-	-	-
Restricted	-	309,197	446,429	210,723	11,733
Committed	-	-	-	-	-
Assigned	-	-	-	-	-
Unassigned (deficit)	(150)	-	-	-	-
Total fund balances	-	309,197	446,429	210,723	11,733
Total liabilities, deferred inflows of resources, and fund balances	$ 183,744	$ 309,197	$ 446,429	$ 503,738	$ 13,860

(Continued)

City of Redlands
Combining Balance Sheet (Continued)
Non-Major Governmental Funds
For the Year Ended June 30, 2023

	Special Revenue Funds				
	Measure I Fund	Open Space Fund	Downtown Redlands Business Area Fund	Parking Authority Fund	Asset Forfeiture Fund
ASSETS					
Cash and investments	$ 1,762,743	$ 2,261,887	$ 16,637	$ 12,608	$ 1,605,801
Restricted cash and investments	-	-	-	-	-
Accounts receivable, net	-	-	224	1,289	-
Taxes receivable	469,239	-	-	-	-
Lease receivable	-	-	-	110,446	-
Due from other governments	-	-	-	-	-
Prepaid items	-	-	-	-	15,580
Total assets	$ 2,231,982	$ 2,261,887	$ 16,861	$ 124,343	$ 1,621,381
LIABILITIES, DEFERRED INFLOWS OF RESOURCES, AND FUND BALANCES					
Liabilities:					
Accounts payable	$ -	$ -	$ 16,861	$ 1,883	$ -
Accrued payroll	-	-	-	-	-
Deposits payable	-	-	-	12,151	10,256
Unearned revenues	-	-	-	644	-
Due to other funds	-	-	-	-	-
Total liabilities	-	-	16,861	14,678	10,256
Deferred inflows of resources:					
Unavailable revenue	162,857	-	-	-	-
Deferred inflows related to leases	-	-	-	108,807	-
Total deferred inflows of resources	162,857	-	-	108,807	-
Fund Balances:					
Nonspendable	-	-	-	-	15,580
Restricted	2,069,125	-	-	858	1,595,545
Committed	-	2,261,887	-	-	-
Assigned	-	-	-	-	-
Unassigned (deficit)	-	-	-	-	-
Total fund balances	2,069,125	2,261,887	-	858	1,611,125
Total liabilities, deferred inflows of resources, and fund balances	$ 2,231,982	$ 2,261,887	$ 16,861	$ 124,343	$ 1,621,381

(Continued)

City of Redlands
Combining Balance Sheet (Continued)
Non-Major Governmental Funds
For the Year Ended June 30, 2023

	Special Revenue Funds				
	Supplemental Law Enforcement Grant Fund	Park and Open Space Fund	Arterial Street Construction Fund	Traffic Signals Fund	Freeway Interchanges Fund
ASSETS					
Cash and investments	$ 544,279	$ 2,035,257	$ 4,664,288	$ 1,474,417	$ 2,055,393
Restricted cash and investments	-	-	-	-	-
Accounts receivable, net	-	-	-	-	-
Taxes receivable	-	-	-	-	-
Lease receivable	-	-	-	-	-
Due from other governments	-	-	-	-	-
Prepaid items	-	-	-	-	-
Total assets	$ 544,279	$ 2,035,257	$ 4,664,288	$ 1,474,417	$ 2,055,393
LIABILITIES, DEFERRED INFLOWS OF RESOURCES, AND FUND BALANCES					
Liabilities:					
Accounts payable	$ 54,326	$ -	$ 25,033	$ 186,723	$ -
Accrued payroll	-	-	-	-	-
Deposits payable	-	-	28,554	357,582	-
Unearned revenues	397,563	-	-	-	-
Due to other funds	-	-	-	-	-
Total liabilities	451,889	-	53,587	544,305	-
Deferred inflows of resources:					
Unavailable revenue	-	-	-	-	-
Deferred inflows related to leases	-	-	-	-	-
Total deferred inflows of resources	-	-	-	-	-
Fund Balances:					
Nonspendable	-	-	-	-	-
Restricted	92,390	-	-	-	-
Committed	-	2,035,257	4,610,701	930,112	2,055,393
Assigned	-	-	-	-	-
Unassigned (deficit)	-	-	-	-	-
Total fund balances	92,390	2,035,257	4,610,701	930,112	2,055,393
Total liabilities, deferred inflows of resources, and fund balances	$ 544,279	$ 2,035,257	$ 4,664,288	$ 1,474,417	$ 2,055,393

(Continued)

City of Redlands
Combining Balance Sheet (Continued)
Non-Major Governmental Funds
For the Year Ended June 30, 2023

	Special Revenue Funds				
	Street Lighting District #1 Fund	CFD 2004-1 Assessment Fund	Landscape Maintenance District Fund	Local Transportation Fund	PARIS Fund
ASSETS					
Cash and investments	$ 40,438	$ 126,255	$ 187	$ 227,977	$ 5,221,635
Restricted cash and investments	-	-	-	-	-
Accounts receivable, net	-	-	-	-	-
Taxes receivable	352	4,715	247	-	-
Lease receivable	-	-	-	-	-
Due from other governments	-	-	-	-	-
Prepaid items	-	-	-	-	-
Total assets	$ 40,790	$ 130,970	$ 434	$ 227,977	$ 5,221,635
LIABILITIES, DEFERRED INFLOWS OF RESOURCES, AND FUND BALANCES					
Liabilities:					
Accounts payable	$ -	$ 7,710	$ 81	$ -	$ 1,430,258
Accrued payroll	912	4,996	353	-	18,146
Deposits payable	-	15,000	-	35,074	27,327
Unearned revenues	-	-	-	-	-
Due to other funds	-	-	-	-	-
Total liabilities	912	27,706	434	35,074	1,475,731
Deferred inflows of resources:					
Unavailable revenue	-	-	-	-	-
Deferred inflows related to leases	-	-	-	-	-
Total deferred inflows of resources	-	-	-	-	-
Fund Balances:					
Nonspendable	-	-	-	-	-
Restricted	39,878	103,264	-	192,903	3,745,904
Committed	-	-	-	-	-
Assigned	-	-	-	-	-
Unassigned (deficit)	-	-	-	-	-
Total fund balances	39,878	103,264	-	192,903	3,745,904
Total liabilities, deferred inflows of resources, and fund balances	$ 40,790	$ 130,970	$ 434	$ 227,977	$ 5,221,635

(Continued)

City of Redlands
Combining Balance Sheet (Continued)
Non-Major Governmental Funds
For the Year Ended June 30, 2023

	Special Revenue Funds		Capital Projects Funds		Debt Service Funds
	Public Art Fund	Transportation Development Act Fund	Safety Hall Replacement Capital Projects Fund	Storm Drain Fund	General Debt Service Fund
ASSETS					
Cash and investments	$ 9,411	$ -	$ 2,432,565	$ 2,563,488	$ 299,920
Restricted cash and investments	-	-	-	-	257,351
Accounts receivable, net	-	-	-	-	-
Taxes receivable	-	-	-	-	2,238
Lease receivable	-	-	-	-	-
Due from other governments	-	680,838	-	-	-
Prepaid items	-	-	-	-	-
Total assets	$ 9,411	$ 680,838	$ 2,432,565	$ 2,563,488	$ 559,509
LIABILITIES, DEFERRED INFLOWS OF RESOURCES, AND FUND BALANCES					
Liabilities:					
Accounts payable	$ -	$ 39,120	$ 107,007	$ 18,167	$ -
Accrued payroll	-	-	-	-	-
Deposits payable	-	-	-	-	-
Unearned revenues	-	-	-	-	-
Due to other funds	-	641,625	-	-	-
Total liabilities	-	680,745	107,007	18,167	-
Deferred inflows of resources:					
Unavailable revenue	-	680,838	-	-	-
Deferred inflows related to leases	-	-	-	-	-
Total deferred inflows of resources	-	680,838	-	-	-
Fund Balances:					
Nonspendable	-	-	-	-	-
Restricted	9,411	-	-	2,545,321	559,509
Committed	-	-	-	-	-
Assigned	-	-	2,325,558	-	-
Unassigned (deficit)	-	(680,745)	-	-	-
Total fund balances	9,411	(680,745)	2,325,558	2,545,321	559,509
Total liabilities, deferred inflows of resources, and fund balances	$ 9,411	$ 680,838	$ 2,432,565	$ 2,563,488	$ 559,509

City of Redlands
Combining Balance Sheet (Continued)
Non-Major Governmental Funds
For the Year Ended June 30, 2023

	Permanent Funds		
	Simonds Endowment Fund	Pauline Stancliff Memorial Trust Fund	Total Non-Major Governmental Funds
ASSETS			
Cash and investments	$ 37,455	$ 22,138	$ 28,361,041
Restricted cash and investments	-	-	257,351
Accounts receivable, net	-	-	13,372
Taxes receivable	-	-	937,420
Lease receivable	-	-	110,446
Due from other governments	-	-	718,906
Prepaid items	-	-	15,730
Total assets	$ 37,455	$ 22,138	$ 30,414,266
LIABILITIES, DEFERRED INFLOWS OF RESOURCES, AND FUND BALANCES			
Liabilities:			
Accounts payable	$ -	$ -	$ 2,192,040
Accrued payroll	-	-	198,422
Deposits payable	-	-	485,944
Unearned revenues	-	-	398,207
Due to other funds	-	-	641,625
Total liabilities	-	-	3,916,238
Deferred inflows of resources:			
Unavailable revenue	-	-	843,695
Deferred inflows related to leases	-	-	108,807
Total deferred inflows of resources	-	-	952,502
Fund Balances:			
Nonspendable	10,000	20,200	45,930
Restricted	27,455	1,938	11,961,583
Committed	-	-	11,893,350
Assigned	-	-	2,325,558
Unassigned (deficit)	-	-	(680,895)
Total fund balances	37,455	22,138	25,545,526
Total liabilities, deferred inflows of resources, and fund balances	$ 37,455	$ 22,138	$ 30,414,266

(Continued) (Concluded)

City of Redlands
Combining Statement of Revenues, Expenditures, and Changes in Fund Balances
Non-Major Governmental Funds
For the Year Ended June 30, 2023

	Special Revenue Funds				
	Emergency Service Fund	Household Hazardous Waste Fund	State Gas Tax Fund	Air Quality Improvement Fund	Traffic Safety Fund
REVENUES:					
Property taxes	$ 1,127,580	$ -	$ -	$ -	$ -
Sales and use taxes	-	-	-	-	-
Fines and forfeitures	-	-	-	-	138,718
Intergovernmental	-	-	3,471,665	119,218	-
Charges for services	-	156,464	-	-	-
Investment income (loss)	-	-	-	1,039	-
Rents and leases	-	-	-	-	-
Miscellaneous	5,129	-	-	-	-
Total revenues	1,132,709	156,464	3,471,665	120,257	138,718
EXPENDITURES:					
Current:					
General government	-	-	-	-	-
Public safety	5,284,955	140,787	-	-	-
Culture and recreation	-	-	-	-	-
Highway and streets	-	-	-	6,488	-
Capital outlay	-	-	-	293,015	-
Debt service:					
Principal	-	-	-	-	-
Interest and fiscal charges	-	-	-	-	-
Total expenditures	5,284,955	140,787	-	299,503	-
REVENUES OVER (UNDER) EXPENDITURES	(4,152,246)	15,677	3,471,665	(179,246)	138,718
OTHER FINANCING SOURCES (USES):					
Transfers in	4,152,246	-	-	-	-
Transfers out	-	-	(3,415,865)	(645)	(135,579)
Total other financing sources (uses)	4,152,246	-	(3,415,865)	(645)	(135,579)
NET CHANGES IN FUND BALANCES	-	15,677	55,800	(179,891)	3,139
FUND BALANCES (DEFICIT):					
Beginning of year	-	293,520	390,629	390,614	8,594
End of year	$ -	$ 309,197	$ 446,429	$ 210,723	$ 11,733

(Continued)

City of Redlands
Combining Statement of Revenues, Expenditures, and Changes in Fund Balances (Continued)
Non-Major Governmental Funds
For the Year Ended June 30, 2023

	Special Revenue Funds				
	Measure I Fund	Open Space Fund	Downtown Redlands Business Area Fund	Parking Authority Fund	Asset Forfeiture Fund
REVENUES:					
Property taxes	$ -	$ -	$ -	$ -	$ -
Sales and use taxes	1,924,654	-	-	-	-
Fines and forfeitures	-	-	-	-	348,518
Intergovernmental	-	-	-	-	-
Charges for services	-	89,098	3,285	-	-
Investment income (loss)	22,068	18,517	1,515	1,961	24,467
Rents and leases	-	-	-	9,988	-
Miscellaneous	-	-	35,685	-	11,445
Total revenues	1,946,722	107,615	40,485	11,949	384,430
EXPENDITURES:					
Current:					
General government	-	-	144,549	23,337	-
Public safety	-	-	-	-	46,450
Culture and recreation	-	1,782	-	-	-
Highway and streets	15,740	-	-	-	-
Capital outlay	-	-	-	-	7,994
Debt service:					
Principal	-	-	-	-	-
Interest and fiscal charges	-	-	-	-	-
Total expenditures	15,740	1,782	144,549	23,337	54,444
REVENUES OVER (UNDER) EXPENDITURES	1,930,982	105,833	(104,064)	(11,388)	329,986
OTHER FINANCING SOURCES (USES):					
Transfers in	-	-	104,064	11,463	-
Transfers out	(588,713)	-	-	-	-
Total other financing sources (uses)	(588,713)	-	104,064	11,463	-
NET CHANGES IN FUND BALANCES	1,342,269	105,833	-	75	329,986
FUND BALANCES (DEFICIT):					
Beginning of year	726,856	2,156,054	-	783	1,281,139
End of year	$ 2,069,125	$ 2,261,887	$ -	$ 858	$ 1,611,125

(Continued)

City of Redlands
Combining Statement of Revenues, Expenditures, and Changes in Fund Balances (Continued)
Non-Major Governmental Funds
For the Year Ended June 30, 2023

	Special Revenue Funds				
	Supplemental Law Enforcement Grant Fund	Park and Open Space Fund	Arterial Street Construction Fund	Traffic Signals Fund	Freeway Interchanges Fund
REVENUES:					
Property taxes	$ -	$ -	$ -	$ -	$ -
Sales and use taxes	-	-	-	-	-
Fines and forfeitures	-	-	-	-	-
Intergovernmental	183,582	-	-	-	2,697,068
Charges for services	-	294,300	304,832	18,788	181,987
Investment income (loss)	3,214	20,764	38,791	14,563	69,138
Rents and leases	-	-	-	-	-
Miscellaneous	-	-	-	-	-
Total revenues	186,796	315,064	343,623	33,351	2,948,193
EXPENDITURES:					
Current:					
General government	-	-	-	-	-
Public safety	118,460	-	-	-	-
Culture and recreation	-	217,314	-	-	-
Highway and streets	-	-	20,442	38,167	38,533
Capital outlay	65,123	2,392	128,028	241,796	2,472,833
Debt service:					
Principal	-	64,839	-	-	-
Interest and fiscal charges	-	37,386	-	-	-
Total expenditures	183,583	321,931	148,470	279,963	2,511,366
REVENUES OVER (UNDER) EXPENDITURES	3,213	(6,867)	195,153	(246,612)	436,827
OTHER FINANCING SOURCES (USES):					
Transfers in	-	-	-	-	-
Transfers out	-	-	-	-	-
Total other financing sources (uses)	-	-	-	-	-
NET CHANGES IN FUND BALANCES	3,213	(6,867)	195,153	(246,612)	436,827
FUND BALANCES (DEFICIT):					
Beginning of year	89,177	2,042,124	4,415,548	1,176,724	1,618,566
End of year	$ 92,390	$ 2,035,257	$ 4,610,701	$ 930,112	$ 2,055,393

(Continued)

City of Redlands
Combining Statement of Revenues, Expenditures, and Changes in Fund Balances (Continued)
Non-Major Governmental Funds
For the Year Ended June 30, 2023

	Special Revenue Funds				
	Street Lighting District #1 Fund	CFD 2004-1 Assessment Fund	Landscape Maintenance District Fund	Local Transportation Fund	PARIS Fund
REVENUES:					
Property taxes	$ -	$ -	$ -	$ -	$ -
Sales and use taxes	-	-	-	-	-
Fines and forfeitures	-	-	-	-	-
Intergovernmental	-	-	-	-	-
Charges for services	25,357	582,079	29,696	-	-
Investment income (loss)	-	1,454	-	2,323	(113,072)
Rents and leases	-	-	-	-	-
Miscellaneous	-	25,000	-	-	-
Total revenues	25,357	608,533	29,696	2,323	(113,072)
EXPENDITURES:					
Current:					
General government	-	495,185	37,040	-	-
Public safety	-	-	-	-	-
Culture and recreation	-	-	-	-	-
Highway and streets	17,580	-	-	4,460	414,523
Capital outlay	-	-	-	-	2,272,313
Debt service:					
Principal	-	-	-	-	-
Interest and fiscal charges	-	-	-	-	-
Total expenditures	17,580	495,185	37,040	4,460	2,686,836
REVENUES OVER (UNDER) EXPENDITURES	7,777	113,348	(7,344)	(2,137)	(2,799,908)
OTHER FINANCING SOURCES (USES):					
Transfers in	-	-	7,344	-	4,354,217
Transfers out	-	(134,122)	-	-	-
Total other financing sources (uses)	-	(134,122)	7,344	-	4,354,217
NET CHANGES IN FUND BALANCES	7,777	(20,774)	-	(2,137)	1,554,309
FUND BALANCES (DEFICIT):					
Beginning of year	32,101	124,038	-	195,040	2,191,595
End of year	$ 39,878	$ 103,264	$ -	$ 192,903	$ 3,745,904

(Continued)

City of Redlands
Combining Statement of Revenues, Expenditures, and Changes in Fund Balances (Continued)
Non-Major Governmental Funds
For the Year Ended June 30, 2023

	Special Revenue Funds		Capital Projects Funds		Debt Service Funds
	Public Art Fund	Transportation Development Act Fund	Safety Hall Replacement Capital Projects Fund	Storm Drain Fund	General Debt Service Fund
REVENUES:					
Property taxes	$ -	$ -	$ -	$ -	$ 95,695
Sales and use taxes	-	-	-	-	-
Fines and forfeitures	-	-	-	-	-
Intergovernmental	-	-	-	-	-
Charges for services	-	-	-	189,041	-
Investment income (loss)	193	-	30,368	17,709	(1,175)
Rents and leases	-	-	-	-	-
Miscellaneous	-	-	-	-	-
Total revenues	193	-	30,368	206,750	94,520
EXPENDITURES:					
Current:					
General government	-	-	158,484	67,374	3,443
Public safety	-	-	-	-	-
Culture and recreation	2,800	-	-	-	-
Highway and streets	-	4,986	-	-	-
Capital outlay	-	661,993	107,008	-	-
Debt service:					
Principal	-	-	-	-	1,620,000
Interest and fiscal charges	-	-	-	-	250,097
Total expenditures	2,800	666,979	265,492	67,374	1,873,540
REVENUES OVER (UNDER) EXPENDITURES	(2,607)	(666,979)	(235,124)	139,376	(1,779,020)
OTHER FINANCING SOURCES (USES):					
Transfers in	-	-	-	-	519,146
Transfers out	-	-	-	-	-
Total other financing sources (uses)	-	-	-	-	519,146
NET CHANGES IN FUND BALANCES	(2,607)	(666,979)	(235,124)	139,376	(1,259,874)
FUND BALANCES (DEFICIT):					
Beginning of year	12,018	(13,766)	2,560,682	2,405,945	1,819,383
End of year	$ 9,411	$ (680,745)	$ 2,325,558	$ 2,545,321	$ 559,509

City of Redlands
Combining Statement of Revenues, Expenditures, and Changes in Fund Balances (Continued)
Non-Major Governmental Funds
For the Year Ended June 30, 2023

	Permanent Funds		
	Simonds Endowment Fund	Pauline Stancliff Memorial Trust Fund	Total Non-Major Governmental Funds
REVENUES:			
Property taxes	$ -	$ -	$ 1,223,275
Sales and use taxes	-	-	1,924,654
Fines and forfeitures	-	-	487,236
Intergovernmental	-	-	6,471,533
Charges for services	-	-	1,874,927
Investment income (loss)	360	211	154,408
Rents and leases	-	-	9,988
Miscellaneous	-	-	77,259
Total revenues	360	211	12,223,280
EXPENDITURES:			
Current:			
General government	-	-	929,412
Public safety	-	-	5,590,652
Culture and recreation	-	-	221,896
Highway and streets	-	-	560,919
Capital outlay	-	-	6,252,495
Debt service:			
Principal	-	-	1,684,839
Interest and fiscal charges	-	-	287,483
Total expenditures	-	-	15,527,696
REVENUES OVER (UNDER) EXPENDITURES	360	211	(3,304,416)
OTHER FINANCING SOURCES (USES):			
Transfers in	-	-	9,148,480
Transfers out	-	-	(4,274,924)
Total other financing sources (uses)	-	-	4,873,556
NET CHANGES IN FUND BALANCES	360	211	1,569,140
FUND BALANCES (DEFICIT):			
Beginning of year	37,095	21,927	23,976,386
End of year	$ 37,455	$ 22,138	$ 25,545,526

(Continued) (Concluded)

City of Redlands
Budgetary Comparison Schedule
Emergency Service Special Revenue Fund
For the Year Ended June 30, 2023

	Budgeted Amounts		Actual	Variance with Final Budget Favorable/
	Original	Final	Amounts	(Unfavorable)
REVENUES:				
Property taxes	$ 1,100,000	$ 1,100,000	$ 1,127,580	$ 27,580
Charges for services	30,000	30,000	-	(30,000)
Miscellaneous	5,000	5,000	5,129	129
Total revenues	1,135,000	1,135,000	1,132,709	(2,291)
EXPENDITURES:				
Current:				
Public safety	5,882,477	5,886,830	5,284,955	601,875
Total expenditures	5,882,477	5,886,830	5,284,955	601,875
REVENUES OVER (UNDER) EXPENDITURES	(4,747,477)	(4,751,830)	(4,152,246)	599,584
OTHER FINANCING SOURCES (USES):				
Transfers in	4,747,477	4,747,477	4,152,246	(595,231)
Total other financing sources (uses)	4,747,477	4,747,477	4,152,246	(595,231)
Net change in fund balance	$ -	$ (4,353)	-	$ 4,353
FUND BALANCE:				
Beginning of year			-	
End of year			$ -	

City of Redlands
Budgetary Comparison Schedule
Household Hazardous Waste Special Revenue Fund
For the Year Ended June 30, 2023

	Budgeted Amounts		Actual	Variance with Final Budget Favorable/
	Original	Final	Amounts	(Unfavorable)
REVENUES:				
Charges for services	$ 100,000	$ 100,000	$ 156,464	$ 56,464
Total revenues	100,000	100,000	156,464	56,464
EXPENDITURES:				
Current:				
Public safety	142,694	142,694	140,787	1,907
Total expenditures	142,694	142,694	140,787	1,907
Net change in fund balance	$ (42,694)	$ (42,694)	15,677	$ 58,371
FUND BALANCE:				
Beginning of year			293,520	
End of year			$ 309,197	

City of Redlands
Budgetary Comparison Schedule
State Gas Tax Special Revenue Fund
For the Year Ended June 30, 2023

	Budgeted Amounts		Actual	Variance with Final Budget Favorable/
	Original	Final	Amounts	(Unfavorable)
REVENUES:				
Intergovernmental	$ 3,698,006	$ 3,698,006	$ 3,471,665	$ (226,341)
Total revenues	3,698,006	3,698,006	3,471,665	(226,341)
EXPENDITURES:				
Current:				
Highway and streets	3,698,006	3,698,006	-	3,698,006
Total expenditures	3,698,006	3,698,006	-	3,698,006
OTHER FINANCING SOURCES (USES):				
Transfers out	-	-	(3,415,865)	(3,415,865)
Total other financing sources (uses)	-	-	(3,415,865)	(3,415,865)
Net change in fund balance	$ -	$ -	55,800	$ 55,800
FUND BALANCE:				
Beginning of year			390,629	
End of year			$ 446,429	

City of Redlands
Budgetary Comparison Schedule
Air Quality Improvement Special Revenue Fund
For the Year Ended June 30, 2023

	Budgeted Amounts		Actual	Variance with Final Budget Favorable/
	Original	Final	Amounts	(Unfavorable)
REVENUES:				
Intergovernmental	$ 89,000	$ 89,000	$ 119,218	$ 30,218
Investment income (loss)	-	-	1,039	1,039
Total revenues	89,000	89,000	120,257	31,257
EXPENDITURES:				
Current:				
Highway and streets	417	127,759	6,488	121,271
Capital outlay	350,000	350,000	293,015	56,985
Total expenditures	350,417	477,759	299,503	178,256
OTHER FINANCING SOURCES (USES):				
Transfers out	-	-	(645)	(645)
Total other financing sources (uses)	-	-	(645)	(645)
Net change in fund balance	$ (261,417)	$ (388,759)	(179,891)	$ 208,868
FUND BALANCE:				
Beginning of year			390,614	
End of year			$ 210,723	

City of Redlands
Budgetary Comparison Schedule
Traffic Safety Special Revenue Fund
For the Year Ended June 30, 2023

	Budgeted Amounts		Actual	Variance with Final Budget Favorable/
	Original	Final	Amounts	(Unfavorable)
REVENUES:				
Fines and forfeitures	$ 202,000	$ 202,000	$ 138,718	$ (63,282)
Total revenues	202,000	202,000	138,718	(63,282)
EXPENDITURES:				
Current:				
Public safety	202,000	202,000	-	202,000
Total expenditures	202,000	202,000	-	202,000
OTHER FINANCING SOURCES (USES):				
Transfers out	-	-	(135,579)	(135,579)
Total other financing sources (uses)	-	-	(135,579)	(135,579)
Net change in fund balance	$ -	$ -	3,139	$ 3,139
FUND BALANCE:				
Beginning of year			8,594	
End of year			$ 11,733	

City of Redlands
Budgetary Comparison Schedule
Measure I Special Revenue Fund
For the Year Ended June 30, 2023

	Budgeted Amounts		Actual	Variance with Final Budget Favorable/
	Original	Final	Amounts	(Unfavorable)
REVENUES:				
Sales and use taxes	$ 1,825,567	$ 1,825,567	$ 1,924,654	$ 99,087
Investment income (loss)	-	-	22,068	22,068
Total revenues	1,825,567	1,825,567	1,946,722	121,155
EXPENDITURES:				
Current:				
Highway and streets	15,741	15,741	15,740	1
Capital outlay	2,704,233	2,704,233	-	2,704,233
Total expenditures	2,719,974	2,719,974	15,740	2,704,234
OTHER FINANCING SOURCES (USES):				
Transfers out	-	-	(588,713)	(588,713)
Total other financing sources (uses)	-	-	(588,713)	(588,713)
Net change in fund balance	$ (894,407)	$ (894,407)	1,342,269	$ 2,236,676
FUND BALANCE:				
Beginning of year			726,856	
End of year			$ 2,069,125	

City of Redlands
Budgetary Comparison Schedule
Open Space Special Revenue Fund
For the Year Ended June 30, 2023

	Budgeted Amounts		Actual	Variance with Final Budget Favorable/
	Original	Final	Amounts	(Unfavorable)
REVENUES:				
Charges for services	$ 500,000	$ 500,000	$ 89,098	$ (410,902)
Investment income (loss)	-	-	18,517	18,517
Total revenues	500,000	500,000	107,615	(392,385)
EXPENDITURES:				
Current:				
Culture and recreation	-	-	1,782	(1,782)
Total expenditures	-	-	1,782	(1,782)
Net change in fund balance	$ 500,000	$ 500,000	105,833	$ (394,167)
FUND BALANCE:				
Beginning of year			2,156,054	
End of year			$ 2,261,887	

City of Redlands
Budgetary Comparison Schedule
Downtown Redlands Business Area Special Revenue Fund
For the Year Ended June 30, 2023

	Budgeted Amounts		Actual	Variance with Final Budget Favorable/
	Original	Final	Amounts	(Unfavorable)
REVENUES:				
Charges for services	$ 151,000	$ 151,000	$ 3,285	$ (147,715)
Investment income (loss)	-	-	1,515	1,515
Miscellaneous	-	-	35,685	35,685
Total revenues	151,000	151,000	40,485	(110,515)
EXPENDITURES:				
Current:				
General government	152,008	152,008	144,549	7,459
Total expenditures	152,008	152,008	144,549	7,459
REVENUES OVER (UNDER) EXPENDITURES	(1,008)	(1,008)	(104,064)	(103,056)
OTHER FINANCING SOURCES (USES):				
Transfers in	-	-	104,064	104,064
Total other financing sources (uses)	-	-	104,064	104,064
Net change in fund balance	$ (1,008)	$ (1,008)	-	$ 1,008
FUND BALANCE:				
Beginning of year			-	
End of year			$ -	

City of Redlands
Budgetary Comparison Schedule
Parking Authority Special Revenue Fund
For the Year Ended June 30, 2023

	Budgeted Amounts		Actual	Variance with Final Budget Favorable/
	Original	Final	Amounts	(Unfavorable)
REVENUES:				
Investment income (loss)	$ -	$ -	$ 1,961	$ 1,961
Rents and leases	11,500	11,500	9,988	(1,512)
Total revenues	11,500	11,500	11,949	449
EXPENDITURES:				
Current:				
General government	23,142	23,142	23,337	(195)
Total expenditures	23,142	23,142	23,337	(195)
REVENUES OVER (UNDER) EXPENDITURES	(11,642)	(11,642)	(11,388)	254
OTHER FINANCING SOURCES (USES):				
Transfers in	11,642	11,642	11,463	(179)
Total other financing sources (uses)	11,642	11,642	11,463	(179)
Net change in fund balance	$ -	$ -	75	$ 75
FUND BALANCE:				
Beginning of year			783	
End of year			$ 858	

City of Redlands
Budgetary Comparison Schedule
Asset Forfeiture Special Revenue Fund
For the Year Ended June 30, 2023

	Budgeted Amounts		Actual Amounts	Variance with Final Budget Favorable/ (Unfavorable)
	Original	Final		
REVENUES:				
Fines and forfeitures	$ 113,600	$ 113,600	$ 348,518	$ 234,918
Investment income (loss)	6,000	6,000	24,467	18,467
Miscellaneous	-	-	11,445	11,445
Total revenues	119,600	119,600	384,430	264,830
EXPENDITURES:				
Current:				
Public safety	191,924	199,343	46,450	152,893
Capital outlay	-	-	7,994	(7,994)
Total expenditures	191,924	199,343	54,444	144,899
Net change in fund balance	$ (72,324)	$ (79,743)	329,986	$ 409,729
FUND BALANCE:				
Beginning of year			1,281,139	
End of year			$ 1,611,125	

City of Redlands
Budgetary Comparison Schedule
Supplemental Law Enforcement Grant Special Revenue Fund
For the Year Ended June 30, 2023

	Budgeted Amounts		Actual	Variance with Final Budget Favorable/
	Original	Final	Amounts	(Unfavorable)
REVENUES:				
Intergovernmental	$ 175,059	$ 175,059	$ 183,582	$ 8,523
Investment income (loss)	1,500	1,500	3,214	1,714
Total revenues	176,559	176,559	186,796	10,237
EXPENDITURES:				
Current:				
Public safety	251,391	251,391	118,460	132,931
Capital outlay	75,000	135,260	65,123	70,137
Total expenditures	326,391	386,651	183,583	203,068
Net change in fund balance	$ (149,832)	$ (210,092)	3,213	$ 213,305
FUND BALANCE:				
Beginning of year			89,177	
End of year			$ 92,390	

City of Redlands
Budgetary Comparison Schedule
Park and Open Space Special Revenue Fund
For the Year Ended June 30, 2023

	Budgeted Amounts		Actual	Variance with Final Budget Favorable/
	Original	Final	Amounts	(Unfavorable)
REVENUES:				
Charges for services	$ 1,500,000	$ 1,500,000	$ 294,300	$ (1,205,700)
Investment income (loss)	-	-	20,764	20,764
Total revenues	1,500,000	1,500,000	315,064	(1,184,936)
EXPENDITURES:				
Current:				
Culture and recreation	3,658	211,426	217,314	(5,888)
Capital outlay	-	-	2,392	(2,392)
Debt service:				
Principal	64,839	64,839	64,839	-
Interest and fiscal charges	37,386	37,386	37,386	-
Total expenditures	105,883	313,651	321,931	(8,280)
Net change in fund balance	$ 1,394,117	$ 1,186,349	(6,867)	$ (1,193,216)
FUND BALANCE:				
Beginning of year			2,042,124	
End of year			$ 2,035,257	

City of Redlands
Budgetary Comparison Schedule
Arterial Street Construction Special Revenue Fund
For the Year Ended June 30, 2023

	Budgeted Amounts		Actual	Variance with Final Budget Favorable/
	Original	Final	Amounts	(Unfavorable)
REVENUES:				
Charges for services	$ 710,000	$ 710,000	$ 304,832	$ (405,168)
Investment income (loss)	12,000	12,000	38,791	26,791
Total revenues	722,000	722,000	343,623	(378,377)
EXPENDITURES:				
Current:				
Highway and streets	300,000	300,000	20,442	279,558
Capital outlay	900,000	900,000	128,028	771,972
Total expenditures	1,200,000	1,200,000	148,470	1,051,530
Net change in fund balance	$ (478,000)	$ (478,000)	195,153	$ 673,153
FUND BALANCE:				
Beginning of year			4,415,548	
End of year			$ 4,610,701	

City of Redlands
Budgetary Comparison Schedule
Traffic Signals Special Revenue Fund
For the Year Ended June 30, 2023

	Budgeted Amounts		Actual	Variance with Final Budget Favorable/
	Original	Final	Amounts	(Unfavorable)
REVENUES:				
Charges for services	$ 90,000	$ 90,000	$ 18,788	$ (71,212)
Investment income (loss)	4,500	4,500	14,563	10,063
Total revenues	94,500	94,500	33,351	(61,149)
EXPENDITURES:				
Current:				
Highway and streets	100,000	100,000	38,167	61,833
Capital outlay	600,000	1,162,601	241,796	920,805
Total expenditures	700,000	1,262,601	279,963	982,638
REVENUES OVER (UNDER) EXPENDITURES	(605,500)	(1,168,101)	(246,612)	921,489
Net change in fund balance	$ (605,500)	$ (1,168,101)	(246,612)	$ 921,489
FUND BALANCE:				
Beginning of year			1,176,724	
End of year			$ 930,112	

City of Redlands
Budgetary Comparison Schedule
Freeway Interchanges Special Revenue Fund
For the Year Ended June 30, 2023

	Budgeted Amounts		Actual	Variance with Final Budget Favorable/
	Original	Final	Amounts	(Unfavorable)
REVENUES:				
Intergovernmental	$ -	$ -	$ 2,697,068	$ 2,697,068
Charges for services	450,000	450,000	181,987	(268,013)
Investment income (loss)	8,000	8,000	69,138	61,138
Total revenues	458,000	458,000	2,948,193	2,490,193
EXPENDITURES:				
Current:				
Highway and streets	-	-	38,533	(38,533)
Capital outlay	-	248,817	2,472,833	(2,224,016)
Total expenditures	-	248,817	2,511,366	(2,262,549)
Net change in fund balance	$ 458,000	$ 209,183	436,827	$ 227,644
FUND BALANCE:				
Beginning of year			1,618,566	
End of year			$ 2,055,393	

City of Redlands
Budgetary Comparison Schedule
Street Lighting District #1 Special Revenue Fund
For the Year Ended June 30, 2023

	Budgeted Amounts		Actual	Variance with Final Budget Favorable/
	Original	Final	Amounts	(Unfavorable)
REVENUES:				
Charges for services	$ 25,000	$ 25,000	$ 25,357	$ 357
Total revenues	25,000	25,000	25,357	357
EXPENDITURES:				
Current:				
Highway and streets	21,358	21,358	17,580	3,778
Total expenditures	21,358	21,358	17,580	3,778
Net change in fund balance	$ 3,642	$ 3,642	7,777	$ 4,135
FUND BALANCE:				
Beginning of year			32,101	
End of year			$ 39,878	

City of Redlands
Budgetary Comparison Schedule
CFD 2004-1 Assessment Special Revenue Fund
For the Year Ended June 30, 2023

	Budgeted Amounts		Actual	Variance with Final Budget Favorable/
	Original	Final	Amounts	(Unfavorable)
REVENUES:				
Charges for services	$ 575,000	$ 575,000	$ 582,079	$ 7,079
Investment income (loss)	1,000	1,000	1,454	454
Miscellaneous	-	-	25,000	25,000
Total revenues	576,000	576,000	608,533	32,533
EXPENDITURES:				
Current:				
General government	442,347	442,347	495,185	(52,838)
Highway and streets	15,000	15,000	-	15,000
Total expenditures	457,347	457,347	495,185	(37,838)
REVENUES OVER (UNDER) EXPENDITURES	118,653	118,653	113,348	(5,305)
OTHER FINANCING SOURCES (USES):				
Transfers out	(128,596)	(128,596)	(134,122)	(5,526)
Total other financing sources (uses)	(128,596)	(128,596)	(134,122)	(5,526)
Net change in fund balance	$ (9,943)	$ (9,943)	(20,774)	$ (10,831)
FUND BALANCE:				
Beginning of year			124,038	
End of year			$ 103,264	

City of Redlands
Budgetary Comparison Schedule
Landscape Maintenance District Special Revenue Fund
For the Year Ended June 30, 2023

	Budgeted Amounts		Actual	Variance with Final Budget Favorable/
	Original	Final	Amounts	(Unfavorable)
REVENUES:				
Charges for services	$ 29,000	$ 29,000	$ 29,696	$ 696
Total revenues	29,000	29,000	29,696	696
EXPENDITURES:				
Current:				
General government	50,639	50,639	37,040	13,599
Total expenditures	50,639	50,639	37,040	13,599
REVENUES OVER (UNDER) EXPENDITURES	(21,639)	(21,639)	(7,344)	14,295
OTHER FINANCING SOURCES (USES):				
Transfers in	21,639	21,639	7,344	(14,295)
Total other financing sources (uses)	21,639	21,639	7,344	(14,295)
Net change in fund balance	$ -	$ -	-	$ -
FUND BALANCE:				
Beginning of year			-	
End of year			$ -	

City of Redlands
Budgetary Comparison Schedule
Local Transportation Special Revenue Fund
For the Year Ended June 30, 2023

	Budgeted Amounts		Actual	Variance with Final Budget Favorable/
	Original	Final	Amounts	(Unfavorable)
REVENUES:				
Investment income (loss)	$ -	$ -	$ 2,323	$ 2,323
Miscellaneous	-	44,000	-	(44,000)
Total revenues	-	44,000	2,323	(41,677)
EXPENDITURES:				
Current:				
Highway and streets	-	118,495	4,460	114,035
Total expenditures	-	118,495	4,460	114,035
Net change in fund balance	$ -	$ (74,495)	(2,137)	$ 72,358
FUND BALANCE:				
Beginning of year			195,040	
End of year			$ 192,903	

City of Redlands
Budgetary Comparison Schedule
PARIS Special Revenue Fund
For the Year Ended June 30, 2023

	Budgeted Amounts		Actual	Variance with Final Budget Favorable/
	Original	Final	Amounts	(Unfavorable)
REVENUES:				
Investment income (loss)	$ -	$ -	$ (113,072)	$ (113,072)
Total revenues	-	-	(113,072)	(113,072)
EXPENDITURES:				
Current:				
Highway and streets	535,222	750,539	414,523	336,016
Capital outlay	4,500,000	6,778,185	2,272,313	4,505,872
Total expenditures	5,035,222	7,528,724	2,686,836	4,841,888
REVENUES OVER (UNDER) EXPENDITURES	(5,035,222)	(7,528,724)	(2,799,908)	4,728,816
OTHER FINANCING SOURCES (USES):				
Transfers in	6,328,330	6,328,330	4,354,217	(1,974,113)
Total other financing sources (uses)	6,328,330	6,328,330	4,354,217	(1,974,113)
Net change in fund balance	$ 1,293,108	$ (1,200,394)	1,554,309	$ 2,754,703
FUND BALANCE:				
Beginning of year			2,191,595	
End of year			$ 3,745,904	

City of Redlands
Budgetary Comparison Schedule
Public Art Special Revenue Fund
For the Year Ended June 30, 2023

	Budgeted Amounts		Actual	Variance with Final Budget Favorable/
	Original	Final	Amounts	(Unfavorable)
REVENUES:				
Investment income (loss)	$ -	$ -	$ 193	$ 193
Total revenues	-	-	193	193
EXPENDITURES:				
Current:				
Culture and recreation	-	2,000	2,800	(800)
Total expenditures	-	2,000	2,800	(800)
Net change in fund balance	$ -	$ (2,000)	(2,607)	$ (607)
FUND BALANCE:				
Beginning of year			12,018	
End of year			$ 9,411	

City of Redlands
Budgetary Comparison Schedule
Transportation Development Act Special Revenue Fund
For the Year Ended June 30, 2023

	Budgeted Amounts		Actual Amounts	Variance with Final Budget Favorable/ (Unfavorable)
	Original	Final		
REVENUES:				
Intergovernmental	$ -	$ 1,180,448	$ -	$ (1,180,448)
Total revenues	-	1,180,448	-	(1,180,448)
EXPENDITURES:				
Current:				
Highway and streets	-	206,856	4,986	201,870
Capital outlay	-	959,732	661,993	297,739
Total expenditures	-	1,166,588	666,979	499,609
Net change in fund balance	$ -	$ 13,860	(666,979)	$ (680,839)
FUND BALANCE (DEFICIT):				
Beginning of year			(13,766)	
End of year			$ (680,745)	

City of Redlands
Budgetary Comparison Schedule
Safety Hall Replacement Capital Projects Fund
For the Year Ended June 30, 2023

	Budgeted Amounts		Actual	Variance with Final Budget Favorable/
	Original	Final	Amounts	(Unfavorable)
REVENUES:				
Investment income (loss)	$ -	$ -	$ 30,368	$ 30,368
Total revenues	-	-	30,368	30,368
EXPENDITURES:				
Current:				
General government	-	200,970	158,484	42,486
Capital outlay	-	2,235,000	107,008	2,127,992
Total expenditures	-	2,435,970	265,492	2,170,478
Net change in fund balance	$ -	$ (2,435,970)	(235,124)	$ 2,200,846
FUND BALANCE:				
Beginning of year			2,560,682	
End of year			$ 2,325,558	

City of Redlands
Budgetary Comparison Schedule
Storm Drain Capital Projects Fund
For the Year Ended June 30, 2023

	Budgeted Amounts		Actual	Variance with Final Budget Favorable/
	Original	Final	Amounts	(Unfavorable)
REVENUES:				
Charges for services	$ 330,000	$ 330,000	$ 189,041	$ (140,959)
Investment income (loss)	7,500	7,500	17,709	10,209
Total revenues	337,500	337,500	206,750	(130,750)
EXPENDITURES:				
Current:				
General government	577,035	587,035	67,374	519,661
Capital outlay	1,980,000	1,980,000	-	1,980,000
Total expenditures	2,557,035	2,567,035	67,374	2,499,661
Net change in fund balance	$ (2,219,535)	$ (2,229,535)	139,376	$ 2,368,911
FUND BALANCE:				
Beginning of year			2,405,945	
End of year			$ 2,545,321	

City of Redlands
Budgetary Comparison Schedule
General Debt Service Fund
For the Year Ended June 30, 2023

	Budgeted Amounts		Actual	Variance with Final Budget Favorable/
	Original	Final	Amounts	(Unfavorable)
REVENUES:				
Property taxes	$ 30,000	$ 30,000	$ 95,695	$ 65,695
Investment income (loss)	430	430	(1,175)	(1,605)
Total revenues	30,430	30,430	94,520	64,090
EXPENDITURES:				
Current:				
General government	3,446	3,446	3,443	3
Debt service:				
Principal	1,620,000	1,620,000	1,620,000	-
Interest and fiscal charges	250,097	250,097	250,097	-
Total expenditures	1,873,543	1,873,543	1,873,540	3
REVENUES OVER (UNDER) EXPENDITURES	(1,843,113)	(1,843,113)	(1,779,020)	64,093
OTHER FINANCING SOURCES (USES):				
Transfers in	-	-	519,146	519,146
Total other financing sources (uses)	-	-	519,146	519,146
Net change in fund balance	$ (1,843,113)	$ (1,843,113)	(1,259,874)	$ 583,239
FUND BALANCE:				
Beginning of year			1,819,383	
End of year			$ 559,509	

City of Redlands
Budgetary Comparison Schedule
Simonds Endowment Permanent Fund
For the Year Ended June 30, 2023

	Budgeted Amounts		Actual	Variance with Final Budget Favorable/
	Original	Final	Amounts	(Unfavorable)
REVENUES:				
Investment income (loss)	$ -	$ -	$ 360	$ 360
Total revenues	-	-	360	360
Net change in fund balance	$ -	$ -	360	$ 360
FUND BALANCE:				
Beginning of year			37,095	
End of year			$ 37,455	

City of Redlands
Budgetary Comparison Schedule
Pauline Stancliff Memorial Trust Permanent Fund
For the Year Ended June 30, 2023

	Budgeted Amounts		Actual	Variance with Final Budget Favorable/
	Original	Final	Amounts	(Unfavorable)
REVENUES:				
Investment income (loss)	$ -	$ -	$ 211	$ 211
Total revenues	-	-	211	211
Net change in fund balance	$ -	$ -	211	$ 211
FUND BALANCE:				
Beginning of year			21,927	
End of year			$ 22,138	

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Non-Major Enterprise Funds

Groves Fund - This fund is used to account for the farming operations of citrus groves owned by the City.

Non Potable Water Fund - This fund is used to account for non potable water utility operations, projects, debt service costs, and impact fees of the City.

Cemetery Fund - This fund is used to account for the operations of Hillside Memorial Park Cemetery.

Aviation Fund - This fund is used to account for the operations of the Redlands Municipal Airport.

City of Redlands
Combining Statement of Net Position
Non-Major Enterprise Funds
June 30, 2023

	Groves Fund	Non-Potable Water Fund	Cemetery Fund	Aviation Fund	Total
ASSETS					
Current assets:					
Cash and investments	$ 507,539	$ 3,885,843	$ 3,374,210	$ 277,558	$ 8,045,150
Accounts receivable, net	62,600	48,350	209,794	27,275	348,019
Taxes receivable	-	-	-	379	379
Lease receivable - due within one year	-	-	27,181	108,872	136,053
Due from other governments	-	-	-	65,802	65,802
Total current assets	570,139	3,934,193	3,611,185	479,886	8,595,403
Noncurrent assets:					
Lease receivable - due in more than one year	-	-	20,485	613,719	634,204
Capital assets:					
Non-depreciable	13,570,179	-	638,131	1,165,281	15,373,591
Depreciable, net	120,334	17,117	661,252	2,366,574	3,165,277
Total capital assets	13,690,513	17,117	1,299,383	3,531,855	18,538,868
Total noncurrent assets	13,690,513	17,117	1,319,868	4,145,574	19,173,072
Total assets	14,260,652	3,951,310	4,931,053	4,625,460	27,768,475
DEFERRED OUTFLOW OF RESOURCES					
Related to OPEB	-	-	392,041	101,496	493,537
Related to pensions	74,712	33,728	279,512	72,254	460,206
Total deferred outflow of resources	74,712	33,728	671,553	173,750	953,743
LIABILITIES					
Current liabilities:					
Accounts payable	129,652	53,745	28,385	37,265	249,047
Accrued payroll	12,782	4,016	31,794	7,401	55,993
Interest payable	-	-	1,199	-	1,199
Deposits payable	-	-	1,308,624	12,004	1,320,628
Unearned revenue	-	-	-	5,872	5,872
Compensated absences - due within one year	271	130	16,040	445	16,886
Long-term debt - due within one year	6,867	-	41,670	-	48,537
Total current liabilities	149,572	57,891	1,427,712	62,987	1,698,162
Noncurrent liabilities:					
Advances from other funds	-	-	613,912	737,613	1,351,525
Compensated absences - due in more than one year	271	130	16,041	444	16,886
Long term debt - due in more than one year	12,133	-	48,492	-	60,625
Total OPEB liability	-	-	1,107,665	262,354	1,370,019
Net pension liability	226,724	102,352	848,217	219,263	1,396,556
Total noncurrent liabilities	239,128	102,482	2,634,327	1,219,674	4,195,611
Total liabilities	388,700	160,373	4,062,039	1,282,661	5,893,773
DEFERRED INFLOWS OF RESOURCES					
Related to leases	-	-	47,426	712,221	759,647
Related to OPEB	-	-	502,537	101,759	604,296
Related to pensions	4,030	1,819	15,078	3,898	24,825
Total deferred inflows of resources	4,030	1,819	565,041	817,878	1,388,768
NET POSITION					
Net investment in capital assets	13,671,513	17,117	1,209,221	3,531,855	18,429,706
Restricted	-	-	-	-	-
Unrestricted (deficit)	271,121	3,805,729	(233,695)	(833,184)	3,009,971
Total net position	$ 13,942,634	$ 3,822,846	$ 975,526	$ 2,698,671	$ 21,439,677

City of Redlands
Combining Statement of Revenues, Expenses, and Changes in Net Position
Non-Major Enterprise Funds
For the Year Ended June 30, 2023

	Groves Fund	Non-Potable Water Fund	Cemetery Fund	Aviation Fund	Total
OPERATING REVENUES:					
Charges for services	$ 1,681,761	$ 618,839	$ 986,715	$ 136,727	$ 3,424,042
Miscellaneous operating revenue	128,325	-	296,571	209,403	634,299
Total operating revenues	1,810,086	618,839	1,283,286	346,130	4,058,341
OPERATING EXPENSES:					
Salaries and benefits	348,852	121,848	888,121	177,637	1,536,458
General and administrative	1,316,210	347,387	358,100	270,279	2,291,976
Parts and supplies	90,727	52,200	87,337	82,441	312,705
Utilities	94,872	34,359	31,576	47,604	208,411
Depreciation/amortization	29,943	7,329	56,794	223,085	317,151
Total operating expenses	1,880,604	563,123	1,421,928	801,046	4,666,701
OPERATING INCOME (LOSS)	(70,518)	55,716	(138,642)	(454,916)	(608,360)
NONOPERATING REVENUES (EXPENSES):					
Investment income	(5,449)	46,031	29,516	15,776	85,874
Interest expense	(159)	-	(19,724)	(18,142)	(38,025)
Property taxes	-	-	-	96,621	96,621
Operating grants	-	-	-	158,706	158,706
Total nonoperating revenues (expenses)	(5,608)	46,031	9,792	252,961	303,176
INCOME (LOSS) BEFORE CAPITAL CONTRIBUTIONS AND TRANSFERS	(76,126)	101,747	(128,850)	(201,955)	(305,184)
CAPITAL CONTRIBUTIONS AND TRANSFERS					
Capital contributions	-	104,920	-	-	104,920
Transfers in	292,849	-	-	-	292,849
Transfers out	-	(343,992)	-	-	(343,992)
Total capital contributions and transfers	292,849	(239,072)	-	-	53,777
Changes in net position	216,723	(137,325)	(128,850)	(201,955)	(251,407)
NET POSITION:					
Beginning of year	13,725,911	3,960,171	1,104,376	2,900,626	21,691,084
End of year	$ 13,942,634	$ 3,822,846	$ 975,526	$ 2,698,671	$ 21,439,677

City of Redlands
Combining Statement of Cash Flows
Non-Major Enterprise Funds
For the Year Ended June 30, 2023

	Groves Fund	Non-Potable Water Fund	Cemetery Fund	Aviation Fund	Total
CASH FLOWS FROM OPERATING ACTIVITIES:					
Cash received from customers	$ 1,619,161	$ 620,932	$ 1,104,829	$ 116,432	$ 3,461,354
Cash payments to suppliers for goods and services	(1,408,826)	(447,571)	(484,540)	(381,896)	(2,722,833)
Cash payments to employees for services	(207,634)	(85,368)	(544,504)	(123,058)	(960,564)
Receipts from other operating revenues	128,325	-	296,571	209,403	634,299
Net cash provided by (used in) operating activities	131,026	87,993	372,356	(179,119)	412,256
CASH FLOWS FROM NONCAPITAL FINANCING ACTIVITIES:					
Operating grants	-	-	-	94,394	94,394
Property taxes	-	-	-	96,514	96,514
Advances from other funds	-	-	(134,649)	(41,858)	(176,507)
Transfers from other funds	292,849	-	-	-	292,849
Transfers to other funds	-	(343,992)	-	-	(343,992)
Net cash provided by (used in) noncapital financing activities	292,849	(343,992)	(134,649)	149,050	(36,742)
CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES:					
Acquisition of capital assets	(18,379)	(17,937)	(19,409)	-	(55,725)
Cash contributions received from developers	-	104,920	-	-	104,920
Principal payment of long-term debt	(6,819)	-	(40,770)	-	(47,589)
Interest paid on debt	(159)	-	(20,273)	(18,142)	(38,574)
Net cash provided by (used in) capital and related financing activities	(25,357)	86,983	(80,452)	(18,142)	(36,968)
CASH FLOWS FROM INVESTING ACTIVITIES:					
Investment income (loss)	(5,449)	46,031	29,516	15,776	85,874
Net cash provided by (used in) investing activities	(5,449)	46,031	29,516	15,776	85,874
Net change in cash and cash equivalents	393,069	(122,985)	186,771	(32,435)	424,420
CASH AND CASH EQUIVALENTS:					
Beginning of year	114,470	4,008,828	3,187,439	309,993	7,620,730
End of year	$ 507,539	$ 3,885,843	$ 3,374,210	$ 277,558	$ 8,045,150

(Continued)

City of Redlands
Combining Statement of Cash Flows (Continued)
Non-Major Enterprise Funds
For the Year Ended June 30, 2023

	Groves Fund	Non-Potable Water Fund	Cemetery Fund	Aviation Fund	Total
RECONCILIATION OF OPERATING INCOME (LOSS) TO NET CASH PROVIDED BY (USED IN) OPERATING ACTIVITIES:					
Operating income (loss)	$ (70,518)	$ 55,716	$ (138,642)	$ (454,916)	$ (608,360)
Adjustments to reconcile operating income (loss) to net cash provided by (used in) operating activities:					
Depreciation/amortization	29,943	7,329	56,794	223,085	317,151
Changes in operating assets and liabilities, and deferred outflows and inflows of resources:					
Accounts receivable, net	(62,600)	2,093	43,167	3,911	(13,429)
Lease receivable	-	-	27,031	107,084	134,115
Deferred outflows - OPEB related	-	-	69,712	13,942	83,654
Deferred outflows - pension related	(70,933)	(27,712)	(225,687)	(53,240)	(377,572)
Accounts payable	92,983	(13,625)	(7,527)	18,428	90,259
Accrued payroll	7,384	(337)	7,450	5,625	20,122
Deposits payable	-	-	75,016	1,144	76,160
Unearned revenue	-	-	-	(20,048)	(20,048)
Compensated absences	536	212	1,523	351	2,622
Total OPEB liability	-	-	(489,801)	(97,960)	(587,761)
Net pension liability	228,938	105,765	709,457	152,232	1,196,392
Deferred inflows - lease related	-	-	(27,100)	(112,386)	(139,486)
Deferred inflows - OPEB related	-	-	477,496	95,499	572,995
Deferred inflows - pension related	(24,707)	(41,448)	(206,533)	(61,870)	(334,558)
Total adjustments	201,544	32,277	510,998	275,797	1,020,616
Net cash provided by (used in) operating activities	$ 131,026	$ 87,993	$ 372,356	$ (179,119)	$ 412,256

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Internal Service Funds

General Liability Self-Insurance Fund - This fund is used to account for the City's self-insured general and automobile liability programs, which are provided to all City departments and funds.

Information Technology Fund - This fund is used to account for the general maintenance and service of all City computers and phone equipment provided to all City departments.

Workers' Compensation Self-Insurance Fund - This fund is used to account for the City's self-insured Workers' Compensation and General Safety Programs, which are provided to all City departments and funds.

Equipment Maintenance Fund - This fund is used to account for providing ongoing maintenance of all City vehicles and major equipment and to account for vehicle rental services to all City departments.

Utility Billing Fund - This fund is used to account for billing services costs provided for water, sewer, and solid waste.

Payroll Clearing Fund - This fund is used to account for the City's reoccurring payroll obligations.

City of Redlands
Combining Statement of Net Position
All Internal Service Funds
June 30, 2023

	General Liability Self-Insurance Fund	Workers' Compensation Self-Insurance Fund	Information Technology Fund	Equipment Maintenance Fund
ASSETS				
Current assets:				
Cash and investments	$ -	$ 3,858,408	$ 4,988,247	$ 5,535,514
Accounts receivable, net	-	-	-	55,227
Prepaid items	-	-	159,602	-
Inventories	-	-	-	94,254
Total current assets	-	3,858,408	5,147,849	5,684,995
Noncurrent assets:				
Capital assets:				
Non-depreciable	-	-	-	-
Depreciable, net	-	-	894,026	192,577
Total capital assets	-	-	894,026	192,577
Total noncurrent assets	-	-	894,026	192,577
Total assets	-	3,858,408	6,041,875	5,877,572
DEFERRED OUTFLOW OF RESOURCES				
Related to OPEB	101,496	101,496	1,133,664	483,095
Related to pensions	99,580	284,682	741,020	317,945
Total deferred outflow of resources	201,076	386,178	1,874,684	801,040
LIABILITIES				
Current liabilities:				
Accounts payable	107,207	1,524	156,538	1,025,966
Accrued payroll	11,040	29,925	80,034	28,509
Compensated absences - due within one year	1,402	2,503	88,356	33,924
Claims payable - due within one year	2,153,447	5,609,500	-	-
Long-term debt - due within one year	-	-	130,269	7,107
Total current liabilities	2,273,096	5,643,452	455,197	1,095,506
Noncurrent liabilities:				
Compensated absences - due in more than one year	1,402	2,503	88,358	33,923
Claims payable - due in more than one year	2,153,446	5,609,500	-	-
Long term debt - due in more than one year	-	-	55,160	4,163
Total OPEB liability	341,409	251,462	3,241,268	1,732,682
Net pension liability	302,189	863,904	2,248,721	964,846
Total noncurrent liabilities	2,798,446	6,727,369	5,633,507	2,735,614
Total liabilities	5,071,542	12,370,821	6,088,704	3,831,120
DEFERRED INFLOWS OF RESOURCES				
Related to OPEB	101,759	101,759	1,486,906	510,926
Related to pensions	5,372	15,357	39,974	17,151
Total deferred inflows of resources	107,131	117,116	1,526,880	528,077
NET POSITION				
Net Investment in capital assets	-	-	894,026	192,577
Unrestricted (deficit)	(4,977,597)	(8,243,351)	(593,051)	2,126,838
Total net position (deficit)	$ (4,977,597)	$ (8,243,351)	$ 300,975	$ 2,319,415

(Continued)

City of Redlands
Combining Statement of Net Position (Continued)
All Internal Service Funds
June 30, 2023

	Utility Billing Fund	Payroll Clearing Fund	Total
ASSETS			
Current assets:			
Cash and investments	$ 1,599,513	$ 539,913	$ 16,521,595
Accounts receivable, net	3,110	-	58,337
Prepaid items	7,813	-	167,415
Inventories	-	-	94,254
Total current assets	1,610,436	539,913	16,841,601
Noncurrent assets:			
Capital assets:			
Non-depreciable	26,081	-	26,081
Depreciable, net	-	-	1,086,603
Total capital assets	26,081	-	1,112,684
Total noncurrent assets	26,081	-	1,112,684
Total assets	1,636,517	539,913	17,954,285
DEFERRED OUTFLOW OF RESOURCES			
Related to OPEB	1,185,791	-	3,005,542
Related to pensions	597,779	-	2,041,006
Total deferred outflow of resources	1,783,570	-	5,046,548
LIABILITIES			
Current liabilities:			
Accounts payable	11,558	660	1,303,453
Accrued payroll	60,972	466,352	676,832
Compensated absences - due within one year	81,214	-	207,399
Claims payable - due within one year	-	-	7,762,947
Long-term debt - due within one year	-	-	137,376
Total current liabilities	153,744	467,012	10,088,007
Noncurrent liabilities:			
Compensated absences - due in more than one year	81,213	-	207,399
Claims payable - due in more than one year	-	-	7,762,946
Long term debt - due in more than one year	-	-	59,323
Total OPEB liability	3,119,420	-	8,686,241
Net pension liability	1,814,037	-	6,193,697
Total noncurrent liabilities	5,014,670	-	22,909,606
Total liabilities	5,168,414	467,012	32,997,613
DEFERRED INFLOWS OF RESOURCES			
Related to OPEB	1,381,217	-	3,582,567
Related to pensions	32,247	-	110,101
Total deferred inflows of resources	1,413,464	-	3,692,668
NET POSITION			
Net Investment in capital assets	26,081	-	1,112,684
Unrestricted (deficit)	(3,187,872)	72,901	(14,802,132)
Total net position (deficit)	$ (3,161,791)	$ 72,901	$ (13,689,448)

(Concluded)

City of Redlands
Combining Statement of Revenues, Expenses, and Changes in Net Position
All Internal Service Funds
For the Year Ended June 30, 2023

	General Liability Self-Insurance Fund	Workers' Compensation Self-Insurance Fund	Information Technology Fund	Equipment Maintenance Fund
OPERATING REVENUES:				
Charges for services	$ -	$ 3,026,426	$ 6,483,138	$ 8,006,534
Miscellaneous operating revenue	7,343	41,277	-	250,469
Total operating revenues	7,343	3,067,703	6,483,138	8,257,003
OPERATING EXPENSES:				
Salaries and benefits	168,628	909,100	1,836,335	570,799
General and administrative	7,248,364	1,092,416	1,503,564	986,166
Parts and supplies	133	10,968	233,981	5,594,675
Utilities	1,344	-	300,408	3,433
Depreciation/amortization	-	-	511,060	38,483
Total operating expenses	7,418,469	2,012,484	4,385,348	7,193,556
OPERATING INCOME (LOSS)	(7,411,126)	1,055,219	2,097,790	1,063,447
NONOPERATING REVENUES (EXPENSES):				
Investment income (loss)	53,559	18,476	(58,026)	10,923
Interest expense	-	-	(10,189)	(83)
Total nonoperating revenues (expenses)	53,559	18,476	(68,215)	10,840
INCOME (LOSS) BEFORE TRANSFERS	(7,357,567)	1,073,695	2,029,575	1,074,287
TRANSFERS:				
Transfers in	5,026,046	-	-	-
Transfers out	-	-	(7,994)	-
Total transfers	5,026,046	-	(7,994)	-
Changes in net position	(2,331,521)	1,073,695	2,021,581	1,074,287
NET POSITION (DEFICIT):				
Beginning of year, as restated (Note 20)	(2,646,076)	(9,317,046)	(1,720,606)	1,245,128
End of year	$ (4,977,597)	$ (8,243,351)	$ 300,975	$ 2,319,415

(Continued)

City of Redlands
Combining Statement of Revenues, Expenses, and Changes in Net Position (Continued)
All Internal Service Funds
For the Year Ended June 30, 2023

	Utility Billing Fund	Payroll Clearing Fund	Total
OPERATING REVENUES:			
Charges for services	$ 1,763,475	$ 519,146	$ 19,798,719
Miscellaneous operating revenue	116,297	-	415,386
Total operating revenues	1,879,772	519,146	20,214,105
OPERATING EXPENSES:			
Salaries and benefits	1,461,358	-	4,946,220
General and administrative	574,298	-	11,404,808
Parts and supplies	39,566	-	5,879,323
Utilities	-	-	305,185
Depreciation/amortization	-	-	549,543
Total operating expenses	2,075,222	-	23,085,079
OPERATING INCOME (LOSS)	(195,450)	519,146	(2,870,974)
NONOPERATING REVENUES (EXPENSES):			
Investment income (loss)	418,668	-	443,600
Interest expense	-	-	(10,272)
Total nonoperating revenues (expenses)	418,668	-	433,328
INCOME (LOSS) BEFORE TRANSFERS	223,218	519,146	(2,437,646)
TRANSFERS:			
Transfers in	-	-	5,026,046
Transfers out	-	(519,146)	(527,140)
Total transfers	-	(519,146)	4,498,906
Changes in net position	223,218	-	2,061,260
NET POSITION (DEFICIT):			
Beginning of year, as restated (Note 20)	(3,385,009)	72,901	(15,750,708)
End of year	$ (3,161,791)	$ 72,901	$ (13,689,448)

(Concluded)

City of Redlands
Combining Statement of Cash Flows
All Internal Service Funds
For the Year Ended June 30, 2023

	General Liability Self-Insurance Fund	Workers' Compensation Self-Insurance Fund	Information Technology Fund	Equipment Maintenance Fund
CASH FLOWS FROM OPERATING ACTIVITIES:				
Cash received from customers	$ -	$ 3,026,426	$ 6,483,138	$ 8,003,724
Cash payments to suppliers for goods and services	(5,560,165)	(2,057,616)	(2,143,690)	(6,191,630)
Cash payments to employees for services	(180,010)	(579,794)	(1,363,884)	(709,582)
Receipts from other operating activities	7,343	41,277	-	250,469
Net cash provided by (used in) operating activities	(5,732,832)	430,293	2,975,564	1,352,981
CASH FLOWS FROM NONCAPITAL FINANCING ACTIVITIES:				
Transfers from other funds	5,026,046	-	-	-
Transfers to other funds	-	-	(7,994)	-
Net cash provided by (used in) noncapital financing activities	5,026,046	-	(7,994)	-
CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES:				
Acquisition of capital assets	-	-	(105,472)	(179,510)
Principal payment of long-term debt	-	-	(218,994)	(7,068)
Interest paid on debt	-	-	(10,189)	(83)
Net cash (used in) capital and related financing activities	-	-	(334,655)	(186,661)
CASH FLOWS FROM INVESTING ACTIVITIES:				
Investment income (loss)	53,559	18,476	(58,026)	10,923
Net cash provided by (used in) investing activities	53,559	18,476	(58,026)	10,923
Net change in cash and cash equivalents	(653,227)	448,769	2,574,889	1,177,243
CASH AND CASH EQUIVALENTS:				
Beginning of year	653,227	3,409,639	2,413,358	4,358,271
End of year	$ -	$ 3,858,408	$ 4,988,247	$ 5,535,514

(Continued)

City of Redlands
Combining Statement of Cash Flows (Continued)
All Internal Service Funds
For the Year Ended June 30, 2023

	General Liability Self-Insurance Fund	Workers' Compensation Self-Insurance Fund	Information Technology Fund	Equipment Maintenance Fund
RECONCILIATION OF OPERATING INCOME (LOSS) TO NET CASH PROVIDED BY (USED IN) OPERATING ACTIVITIES:				
Operating income (loss)	$ (7,411,126)	$ 1,055,219	$ 2,097,790	$ 1,063,447
Adjustments to reconcile operating income (loss) to net cash provided by (used in) operating activities:				
Depreciation/amortization	-	-	511,060	38,483
Changes in operating assets and liabilities, and deferred outflows and inflows of resources:				
Accounts receivable, net	-	-	-	(2,810)
Prepaid items	-	-	(98,608)	6,665
Inventories	-	-	-	(1,114)
Deferred outflows - OPEB related	13,942	13,942	209,135	69,712
Deferred outflows -pension related	(54,742)	(228,916)	(522,903)	(169,904)
Accounts payable	(21,710)	(1,608)	(7,129)	387,093
Accrued payroll	7,618	7,552	(22,730)	(6,967)
Compensated absences	498	1,622	3,790	1,895
Claims payable	1,711,386	(952,624)	-	-
Total OPEB liability	(97,960)	(97,960)	(1,469,403)	(489,801)
Net pension liability	66,992	694,432	1,531,254	299,961
Deferred inflows - OPEB related	95,499	95,499	1,432,487	477,496
Deferred inflows - pension related	(43,229)	(156,865)	(689,179)	(321,175)
Total adjustments	1,678,294	(624,926)	877,774	289,534
Net cash provided by (used in) operating activities	$ (5,732,832)	$ 430,293	$ 2,975,564	$ 1,352,981

(Continued)

City of Redlands
Combining Statement of Cash Flows (Continued)
All Internal Service Funds
For the Year Ended June 30, 2023

	Utility Billing Fund	Payroll Clearing Fund	Total
CASH FLOWS FROM OPERATING ACTIVITIES:			
Cash received from customers	$ 1,763,913	$ 519,146	$ 19,796,347
Cash payments to suppliers for goods and services	(635,816)	403,934	(16,184,983)
Cash payments to employees for services	(1,070,849)	6,911	(3,897,208)
Receipts from other operating activities	116,297	-	415,386
Net cash provided by (used in) operating activities	173,545	929,991	129,542
CASH FLOWS FROM NONCAPITAL FINANCING ACTIVITIES:			
Transfers from other funds	-	-	5,026,046
Transfers to other funds	-	(519,146)	(527,140)
Net cash provided by (used in) noncapital financing activities	-	(519,146)	4,498,906
CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES:			
Acquisition of capital assets	(26,081)	-	(311,063)
Principal payment of long-term debt	-	-	(226,062)
Interest paid on debt	-	-	(10,272)
Net cash (used in) capital and related financing activities	(26,081)	-	(547,397)
CASH FLOWS FROM INVESTING ACTIVITIES:			
Investment income (loss)	418,668	-	443,600
Net cash provided by (used in) investing activities	418,668	-	443,600
Net change in cash and cash equivalents	566,132	410,845	4,524,651
CASH AND CASH EQUIVALENTS:			
Beginning of year	1,033,381	129,068	11,996,944
End of year	$ 1,599,513	$ 539,913	$ 16,521,595

(Continued)

City of Redlands
Combining Statement of Cash Flows (Continued)
All Internal Service Funds
For the Year Ended June 30, 2023

	Utility Billing Fund	Payroll Clearing Fund	Total
RECONCILIATION OF OPERATING INCOME (LOSS) TO NET CASH PROVIDED BY (USED IN) OPERATING ACTIVITIES:			
Operating income (loss)	$ (195,450)	$ 519,146	$ (2,870,974)
Adjustments to reconcile operating income (loss) to net cash provided by (used in) operating activities:			
Depreciation/amortization	-	-	549,543
Changes in operating assets and liabilities, and deferred outflows and inflows of resources:			
Accounts receivable, net	438	-	(2,372)
Prepaid items	(7,813)	504,617	404,861
Inventories	-	-	(1,114)
Deferred outflows - OPEB related	195,192	-	501,923
Deferred outflows -pension related	(417,959)	-	(1,394,424)
Accounts payable	(14,139)	(100,683)	241,824
Accrued payroll	8,942	6,911	1,326
Compensated absences	3,110	-	10,915
Claims payable	-	-	758,762
Total OPEB liability	(1,371,442)	-	(3,526,566)
Net pension liability	1,063,602	-	3,656,241
Deferred inflows - OPEB related	1,336,988	-	3,437,969
Deferred inflows - pension related	(427,924)	-	(1,638,372)
Total adjustments	368,995	410,845	3,000,516
Net cash provided by (used in) operating activities	$ 173,545	$ 929,991	$ 129,542

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STATISTICAL SECTION
(UNAUDITED)

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CITY OF REDLANDS - STATISTICAL SECTION

This part of the City of Redlands's annual comprehensive financial report presents detailed information as a context for understanding what the information in the financial statements, note disclosures, and required supplementary information says about the City's overall financial health.

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Financial Trends - These schedules contain trend information to help the reader understand how the City of Ridgecrest's financial performance and well being have changed over time**.**

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Sources: Unless otherwise noted, the information in these schedules is derived from the City's annual comprehensive financial reports for the relevant year

City of Redlands
Schedule 1
Net Position by Component
Last Ten Fiscal Years (accrual basis of accounting)

	Fiscal Years				
	2023	2022	2021	2020	2019
Governmental activities					
Net investment in capital assets,	$ 590,288,015	$ 537,558,597	$ 481,259,666	$ 473,042,917	$ 443,551,078
Restricted	13,385,123	11,326,983	14,059,449	17,346,674	15,676,686
Unrestricted (deficit)	(88,121,189)	(114,273,699)	(143,979,153)	(154,157,129)	(148,411,538)
Total governmental activities net position	$ 515,551,949	$ 434,611,881	$ 351,339,962	$ 336,232,462	$ 310,816,226
Business type activities					
Net investment in capital assets	$ 190,475,232	$ 183,665,229	$ 167,349,714	$ 165,453,760	$ 150,997,528
Restricted	16,677,323	16,677,323	18,031,654	23,794,167	26,162,608
Unrestricted	18,287,832	20,522,584	25,405,456	10,901,482	6,544,230
Total business type activities net position	$ 225,440,387	$ 220,865,136	$ 210,786,824	$ 200,149,409	$ 183,704,366
Primary government					
Net investment in capital assets	$ 780,763,247	$ 721,223,826	$ 648,609,380	$ 638,496,677	$ 594,548,606
Restricted	30,062,446	28,004,306	32,091,103	41,140,841	41,839,294
Unrestricted (deficit)	(69,833,357)	(93,751,115)	(118,573,697)	(143,255,647)	(141,867,308)
Total primary government net position	$ 740,992,336	$ 655,477,017	$ 562,126,786	$ 536,381,871	$ 494,520,592

NOTE:

(1) The City of Redlands implemented GASB 68 for the fiscal year ended June 30, 2015.
The Unrestricted Net Position was affected adversely by this Statement in order to reflect net pension liability.

(2) The City of Redlands implemented GASB 75 for the fiscal year ended June 30, 2018.
The Unrestricted Net Position was affected adversely by this Statement in order to reflect unamortized OPEB Liability.
It is anticipated that GASB 75 will expose this fund balance category to more fluctuations in the future as a result of immediate recognition of certain items (e.g. plan changes).

(3) Beginning in FY 2019, the City changed its methodology to account for Right of Way. This adversely affected net position, causing a restatement of assets. More information is provided on page 20 in Management's Discussion and Analysis.

(4) The significant variance in net position invested in capital assets for Governmental Activities is due to a large increase in the amount of right-of-way added in FY 2020 as well as a significant increase in the assigned value based on the City's revised valuation methodology. More information is available in Management's Discussion and Analysis.

City of Redlands
Schedule 1
Net Position by Component (Continued)
Last Ten Fiscal Years (accrual basis of accounting)

	Fiscal Years				
	2018	2017	2016	2015	2014
Governmental activities					
Net investment in capital assets	$ 655,044,577	$ 642,109,428	$ 622,119,006	$ 625,683,667	$ 609,555,372
Restricted	20,499,351	11,100,669	15,258,535	15,584,054	18,466,430
Unrestricted (deficit)	(148,371,437)	(93,361,330)	(81,795,361)	(81,181,952)	(21,119,030)
Total governmental activities net position	$ 527,172,491	$ 559,848,767	555,582,180	560,085,769	606,902,772
Business type activities					
Net investment in capital assets	$ 150,228,905	$ 149,771,777	$ 163,565,980	$ 154,904,203	$ 157,413,884
Restricted	17,516,341	17,399,398	3,702,600	4,671,097	3,702,600
Unrestricted	117,617	12,757,392	13,253,120	22,953,122	41,100,249
Total business type activities net position	$ 167,862,863	$ 179,928,567	$ 180,521,700	$ 182,528,422	$ 202,216,733
Primary government					
Net investment in capital assets	$ 805,273,482	$ 791,881,205	$ 785,684,986	$ 780,587,870	$ 766,969,256
Restricted	38,015,692	28,500,067	18,961,135	20,255,151	22,169,030
Unrestricted (deficit)	(148,253,820)	(80,603,938)	(68,542,241)	(58,228,830)	19,981,219
Total primary government net position	$ 695,035,354	$ 739,777,334	$ 736,103,880	$ 742,614,191	$ 809,119,505

NOTE:

(1) The City of Redlands implemented GASB 68 for the fiscal year ended June 30, 2015.
The Unrestricted Net Position was affected adversely by this Statement in order to reflect net pension liability.

(2) The City of Redlands implemented GASB 75 for the fiscal year ended June 30, 2018.
The Unrestricted Net Position was affected adversely by this Statement in order to reflect unamortized OPEB Liability.
It is anticipated that GASB 75 will expose this fund balance category to more fluctuations in the future as a result of immediate recognition of certain items (e.g. plan changes).

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(4) The significant variance in net position invested in capital assets for Governmental Activities is due to a large increase in the amount of right-of-way added in FY 2020 as well as a significant increase in the assigned value based on the City's revised valuation methodology. More information is available in Management's Discussion and Analysis.

City of Redlands
Schedule 2
Changes in Net Position
Last Ten Fiscal Years (accrual basis of accounting)

	Fiscal Years				
	2023	2022	2021	2020[4]	2019[3]
Expenses					
Governmental activities:					
General government	$ 28,913,048	$ 26,157,407	$ 18,717,217	$ 16,211,056	$ 16,210,304
Public protection	48,272,159	61,325,651	57,395,655	57,656,302	53,095,381
Culture and recreation	9,123,335	6,902,767	4,250,967	5,227,381	4,783,803
Highway and streets	12,081,743	9,754,750	11,057,940	4,060,779	10,183,231
Library	3,557,350	2,754,340	2,792,316	2,921,245	2,537,698
Interest and fiscal charges	792,780	738,561	888,750	994,894	683,446
Total governmental activities expenses	102,740,415	107,633,477	95,102,845	87,071,657	87,493,863
Business type activities:					
Water	26,729,160	26,535,646	23,411,564	22,719,142	20,857,656
Disposal	17,755,193	15,637,376	15,026,409	15,194,462	16,162,875
Wastewater (Sewer)	13,554,178	11,764,304	12,077,904	11,242,914	9,926,236
Groves	1,880,763	1,146,879	991,602	845,498	849,678
Non-Potable Water	563,123	956,768	677,088	249,911	116,759
Cemetery	1,441,652	958,443	1,119,999	1,049,876	936,535
Aviation	819,188	715,647	582,770	637,012	617,285
Total business type activities expenses	62,743,257	57,715,063	53,887,336	51,938,815	49,467,024
Total primary government expenses	$ 165,483,672	$ 165,348,540	$ 148,990,181	$ 139,010,472	$ 136,960,887
Program Revenues					
Governmental activities:					
Charges for services:					
General government	$ 15,681,682	$ 15,368,391	$ 13,967,066	$ 11,482,417	$ 11,151,187
Public safety	932,542	744,389	669,155	1,769,514	2,711,769
Culture and recreation	421,867	748,377	261,090	291,801	310,780
Highway and streets	332,187	355,465	350,025	2,311,254	2,322,468
Library	83,541	118,701	418,298	120,623	131,338
Operating grants and contributions	5,158,328	4,223,681	3,941,740	2,995,658	1,867,228
Capital grants and contributions	53,471,990	28,433,466	11,372,774	32,104,508	7,083,735
Total governmental activities program revenues	76,082,137	49,992,470	30,980,148	51,075,775	25,578,505
Business type activities:					
Charges for services:					
Water	27,080,827	30,131,495	31,217,602	28,014,723	28,053,989
Disposal	20,313,945	21,066,272	19,009,933	18,566,965	17,159,911
Wastewater (Sewer)	12,465,052	11,998,633	10,124,426	10,154,451	10,229,449
Groves	1,681,761	863,303	684,782	481,632	930,738
Non-Potable Water	618,839	641,340	629,395	484,262	528,296
Cemetery	986,715	1,139,982	1,258,104	926,398	555,256
Aviation	136,727	135,480	125,857	133,262	120,087
Operating grants and contributions	385,895	631,695	20,125	55,371	56,555
Capital grants and contributions	4,010,635	6,134,627	2,840,765	6,800,041	5,450,817
Total business type activities program revenues	67,680,396	72,742,827	65,910,989	65,617,105	63,085,098
Total primary government program revenues	$ 143,762,533	$ 122,735,297	$ 96,891,137	$ 116,692,880	$ 88,663,603
Net (Expense)/Revenue					
Governmental activities	(26,658,278)	(57,641,007)	(64,122,697)	(35,995,882)	(61,915,358)
Business type activities	4,937,139	15,027,764	12,023,653	13,678,290	13,618,074
Total primary government net expense	$ (21,721,139)	$ (42,613,243)	$ (52,099,044)	$ (22,317,592)	$ (48,297,284)

City of Redlands
Schedule 2
Changes in Net Position (Continued)
Last Ten Fiscal Years (accrual basis of accounting)

	Fiscal Years				
	2018[2]	2017	2016	2015[1]	2014
Expenses					
Governmental activities:					
General government	$ 12,394,000	$ 14,391,456	$ 16,235,478	$ 10,229,535	$ 10,423,298
Public protection	32,240,549	43,263,363	42,097,211	40,920,668	40,235,772
Culture and recreation	4,748,841	4,086,880	3,542,242	3,554,720	3,041,620
Highway and streets	12,854,490	11,271,259	15,594,075	12,043,276	4,002,946
Library	2,000,613	2,304,552	2,023,972	1,929,752	1,913,756
Interest and fiscal charges	834,297	936,132	1,123,871	1,297,837	1,447,056
Total governmental activities expenses	65,072,790	76,253,642	80,616,849	69,975,788	61,064,448
Business type activities:					
Water	20,369,100	20,514,340	21,635,151	19,556,198	19,437,970
Disposal	12,877,703	12,274,583	12,172,640	12,201,957	11,131,004
Wastewater (Sewer)	8,851,848	8,979,254	8,956,871	8,030,897	8,505,197
Groves	788,554	742,740	841,529	689,839	630,488
Non-Potable Water	125,323	434,912	81,152	73,383	81,897
Cemetery	861,109	75,761	1,304,891	681,223	493,616
Aviation	466,972	785,348	609,088	333,061	421,012
Total business type activities expenses	44,340,609	43,806,938	45,601,322	41,566,558	40,701,184
Total primary government expenses	$ 109,413,399	$ 120,060,580	$ 126,218,171	$ 111,542,346	$ 101,765,632
Program Revenues					
Governmental activities:					
Charges for services:					
General government	$ 10,811,937	$ 10,144,231	$ 9,270,657	$ 10,625,356	$ 10,286,376
Public safety	3,076,343	2,696,810	3,403,559	1,975,667	1,916,750
Culture and recreation	303,222	719,642	286,315	295,199	296,386
Highway and streets	1,895,996	1,361,187	1,205,141	1,681,146	1,716,965
Library	131,408	125,052	33,098	33,270	35,200
Operating grants and contributions	4,469,962	2,911,259	5,596,864	8,607,394	7,195,092
Capital grants and contributions	4,533,292	2,257,370	1,346,021	4,666,849	2,117,482
Total governmental activities program revenues	25,222,160	20,215,551	21,141,655	27,884,881	23,564,251
Business type activities:					
Program revenues:					
Water	27,030,979	22,479,655	18,873,106	22,217,588	23,453,512
Disposal	15,110,821	13,657,953	13,504,267	12,887,067	11,623,769
Wastewater (Sewer)	9,611,197	9,340,274	9,531,484	9,688,884	9,576,740
Groves	741,397	700,334	507,914	798,577	740,707
Non-Potable Water	638,313	83,905	508,556	499,211	554,914
Cemetery	745,347	514,015	461,997	349,472	371,968
Aviation	127,233	575,846	15,214	16,472	16,704
	-	-	-	180,000	180,000
Airport	347,871	816,777	392,189	4,593,429	3,433,586
Total business type activities program revenues	54,353,158	48,168,759	43,794,727	51,230,700	49,951,900
Total primary government program revenues	$ 79,575,318	$ 68,384,310	$ 64,936,382	$ 79,115,581	$ 73,516,151
Net (Expense)/Revenue					
Governmental activities	(39,850,630)	(56,038,091)	(59,475,194)	(42,090,907)	(37,500,197)
Business type activities	10,012,549	4,361,821	(1,806,595)	9,664,142	9,250,716
Total primary government net expense	$ (29,838,081)	$ (51,676,270)	$ (61,281,789)	$ (32,426,765)	$ (28,249,481)

City of Redlands
Schedule 2
Changes in Net Position (Continued)
Last Ten Fiscal Years (accrual basis of accounting)

	Fiscal Years				
	2023	2022	2021	2020[4]	2019[3]
General Revenues and Other Changes in Net Position					
Governmental activities:					
Taxes					
Property taxes	$ 40,372,312	$ 37,769,495	$ 35,722,886	$ 33,743,135	$ 31,833,632
Sales and taxes	48,632,853	48,232,171	26,541,469	17,510,274	18,838,445
Franchises taxes	4,487,821	2,625,852	2,379,571	2,369,348	2,221,789
Other taxes	3,109,696	2,706,919	2,462,019	2,031,015	2,061,674
Investment income (loss)	2,757,278	(1,546,892)	282,836	1,869,008	2,421,036
Intergovernmental (unrestricted)	-	1,308,520	1,455,573	167,157	187,586
Miscellaneous revenue	572,685	1,689,391	3,064,706	1,865,686	1,498,562
Gain on sale of capital assets	4,734,390	-	-	-	-
Transfers	2,742,192	48,127,470	3,660,469	1,856,495	2,943,934
Total governmental activities	107,409,227	140,912,926	75,569,529	61,412,118	62,006,658
Business type activities:					
Property taxes	96,621	73,337	79,616	81,098	85,928
Investment income (loss)	1,123,030	(2,746,746)	557,392	3,214,540	3,310,733
Miscellaneous revenue	1,107,435	1,208,057	1,637,223	1,327,610	1,770,702
Gain on sale of capital assets	-	44,643,370	-	-	-
Extraordinary gain	-	-	-	-	-
Transfers	(2,742,192)	(48,127,470)	(3,660,469)	(1,856,495)	(2,943,934)
Total business type activities	(415,106)	(4,949,452)	(1,386,238)	2,766,753	2,223,429
Total primary government	$ 106,994,121	$ 135,963,474	$ 74,183,291	$ 64,178,871	$ 64,230,087
Change in Net Position					
Governmental activities	$ 80,750,949	$ 83,271,919	$ 11,446,832	$ 25,416,236	$ 91,300
Business type activities	4,522,033	10,078,312	10,637,415	16,445,043	15,841,503
Total primary government	$ 85,272,982	$ 93,350,231	$ 22,084,247	$ 41,861,279	$ 15,932,803

NOTE:

(1) The City of Redlands implemented GASB 68 for the fiscal year ended June 30, 2015.
The Unrestricted Net Position was affected adversely by this Statement in order to reflect net pension liability.

(2) The City of Redlands implemented GASB 75 for the fiscal year ended June 30, 2018.
The Unrestricted Net Position was affected adversely by this Statement in order to reflect unamortized OPEB Liability.
It is anticipated that GASB 75 will expose this fund balance category to more fluctuations in the future as a result of immediate recognition of certain items (e.g. plan changes).

(3) Beginning in FY 2019, the City changed its methodology to account for Right of Way. This adversely affected net position, causing a restatement of assets. More information is provided on page 20 in Management's Discussion and Analysis.

(4) The significant variance in the change in net position for Governmental Activities is due to a large decrease in the prior year 'to account for a revised right-of-way valuation methodology that had an adverse affect on net position, followed by a significant 'increase in right-of-way value added in FY 2020. More information is available in Management's Discussion and Analysis.

City of Redlands
Schedule 2
Changes in Net Position (Continued)
Last Ten Fiscal Years (accrual basis of accounting)

	Fiscal Years				
	2018[2]	2017	2016	2015[1]	2014
General Revenues and Other Changes in Net Position					
Governmental activities:					
Taxes					
Property taxes	$ 30,067,473	$ 28,173,741	$ 26,424,395	$ 25,157,824	$ 24,650,592
Sales and taxes	17,177,492	16,843,090	18,344,596	16,040,049	15,219,210
Franchises taxes	3,224,053	3,035,317	3,079,571	3,735,682	3,235,114
Other taxes	1,907,344	1,977,985	1,792,527	1,681,618	1,473,576
Investment income (loss)	206,304	212,991	800,889	467,427	517,169
Intergovernmental (unrestricted)	195,866	196,602	234,787	424,385	165,974
Miscellaneous revenue	1,689,135	7,331,734	1,105,258	1,035,134	689,160
Gain on sale of capital assets	-	-	-	-	-
Transfers	8,243,110	2,500,914	4,486,199	16,113,690	10,654,350
Total governmental activities	62,710,777	60,272,374	56,268,222	64,655,809	56,605,145
Business type activities:					
Property taxes	66,263	40,199	38,109	35,225	34,597
Investment income (loss)	509,882	500,783	1,335,997	921,859	1,053,356
Miscellaneous revenue	2,457,912	4,627,943	2,911,966	1,152,177	1,032,469
Gain on sale of capital assets	-	-	-	4,840	28,334
Extraordinary gain	-	-	-	-	2,024,168
Transfers	(8,243,110)	(2,500,914)	(4,486,199)	(16,113,690)	(10,654,350)
Total business type activities	(5,209,053)	2,668,011	(200,127)	(13,999,589)	(6,481,426)
Total primary government	$ 57,501,724	$ 62,940,385	$ 56,068,095	$ 50,656,220	$ 50,123,719
Change in Net Position					
Governmental activities	$ 22,860,147	$ 4,234,283	$ (3,206,972)	$ 22,564,902	$ 19,104,948
Business type activities	4,803,496	7,029,832	(2,006,722)	(4,335,447)	2,769,290
Total primary government	$ 27,663,643	$ 11,264,115	$ (5,213,694)	$ 18,229,455	$ 21,874,238

NOTE:

(1) The City of Redlands implemented GASB 68 for the fiscal year ended June 30, 2015.
The Unrestricted Net Position was affected adversely by this Statement in order to reflect net pension liability.

(2) The City of Redlands implemented GASB 75 for the fiscal year ended June 30, 2018.
The Unrestricted Net Position was affected adversely by this Statement in order to reflect unamortized OPEB Liability.
It is anticipated that GASB 75 will expose this fund balance category to more fluctuations in the future as a result of immediate recognition of certain items (e.g. plan changes).

(3) Beginning in FY 2019, the City changed its methodology to account for Right of Way. This adversely affected net position, causing a restatement of assets. More information is provided on page 20 in Management's Discussion and Analysis.

(4) The significant variance in the change in net position for Governmental Activities is due to a large decrease in the prior year 'to account for a revised right-of-way valuation methodology that had an adverse affect on net position, followed by a significant 'increase in right-of-way value added in FY 2020. More information is available in Management's Discussion and Analysis.

City of Redlands
Schedule 3
Fund Balances of Governmental Funds
Last Ten Fiscal Years (modified accrual basis of accounting)

	Fiscal Years				
	2023	2022[2]	2021	2020	2019
General fund					
Nonspendable	$ 8,214,591	$ 8,369,652	$ 8,327,781	$ 8,469,766	$ 8,707,654
Restricted	1,260,683	1,157,866	1,076,656	1,058,540	1,104,848
Committed	12,492,698	12,663,905	11,863,318	8,285,676	8,285,676
Assigned	35,700,799	31,734,961	4,188,185	3,901,788	3,894,566
Unassigned	53,289,070	39,513,840	29,877,229	19,000,734	17,654,773
Total general fund	110,957,841	93,440,224	55,333,169	40,716,504	75,382,147
All other governmental funds					
Nonspendable	574,827	43,400	30,200	104,242	123,682
Restricted	11,961,583	9,980,754	13,024,622	16,266,437	14,541,638
Committed	11,893,350	11,409,016	10,748,915	11,048,266	9,738,292
Assigned	2,325,558	2,560,682	2,742,004	1,463,122	1,480,036
Unassigned (deficit)	(8,448,957)	(6,610,754)	(7,558,978)	(7,740,144)	(8,548,572)
Total all other governmental fund	18,306,361	17,383,098	18,986,763	21,141,923	17,335,076
TOTAL FUND BALANCES	$ 129,264,202	$ 110,823,322	$ 74,319,932	$ 61,858,427	$ 92,717,223

(1) The City of Redlands implemented GASB 68 for the fiscal year ended June 30, 2015.

(2) The City passed a one-cent sales tax which added significant revenue over budget forecasts, additionally $7.1 million in unspent appropriations were carried over to the following fiscal year. Lastly the City implemented GASB 84 to recognize special deposits from another fund in the General Fund as committed fund balance.

City of Redlands
Schedule 3
Fund Balances of Governmental Funds (Continued)
Last Ten Fiscal Years (modified accrual basis of accounting)

	Fiscal Years				
	2018	2017	2016	2015[1]	2014
General fund					
Nonspendable	$ 8,734,646	$ 8,517,994	$ 8,324,472	$ 7,481,159	$ 7,857,633
Restricted	1,057,918	-	-	-	-
Committed	8,285,676	8,122,332	8,122,332	7,935,152	7,903,654
Assigned	4,063,636	2,130,916	2,267,840	1,883,794	-
Unassigned	13,592,754	13,927,733	13,454,147	14,510,450	12,586,391
Total general fund	35,734,630	32,698,975	32,168,791	31,810,555	28,347,678
All other governmental funds					
Nonspendable	123,661	2,539,567	-	327,340	384,873
Restricted	19,321,372	9,563,703	15,258,535	15,584,054	18,365,510
Committed	8,441,919	8,013,248	7,212,199	6,698,593	6,816,041
Assigned	1,204,854	3,419,978	-	-	-
Unassigned (deficit)	(8,761,721)	(10,470,797)	(9,553,680)	(7,849,278)	(8,787,268)
Total all other governmental fund	20,330,085	13,065,699	12,917,054	14,760,709	16,779,156
TOTAL FUND BALANCES	$ 56,064,715	$ 45,764,674	$ 45,085,845	$ 46,571,264	$ 45,126,834

(1) The City of Redlands implemented GASB 68 for the fiscal year ended June 30, 2015.

(2) The City passed a one-cent sales tax which added significant revenue over budget forecasts, additionally $7.1 million in unspent appropriations were carried over to the following fiscal year. Lastly the City implemented GASB 84 to recognize special deposits from another fund in the General Fund as committed fund balance.

City of Redlands
Schedule 4
Changes in Fund Balances of Governmental Funds
Last Ten Fiscal Years (modified accrual basis of accounting)

	Fiscal Years				
	2023	2022[2]	2021	2020	2019
Revenues					
Taxes	$ 97,890,204	$ 92,468,816	$ 68,307,527	$ 57,080,368	$ 56,188,843
Licenses and permits	8,862,824	8,122,570	7,579,479	9,786,703	9,363,446
Intergovernmental	11,470,217	8,748,788	7,520,076	5,052,310	4,290,382
Charges for services	12,139,614	15,275,610	9,853,495	9,659,518	9,912,278
Use of money and property	482,019	(3,135,140)	248,353	1,659,740	1,823,854
Other miscellaneous	2,468,702	1,577,070	1,712,985	2,846,580	1,930,916
Total revenues	133,313,580	123,057,714	95,221,915	86,085,219	83,509,719
Expenditures					
Current:					
General government	25,336,594	23,345,899	16,897,961	14,842,765	14,702,684
Public safety	54,055,313	50,048,806	50,208,365	48,554,670	45,514,084
Culture and recreation	7,405,824	5,346,330	3,154,163	3,244,432	3,286,739
Highway and streets	5,851,214	4,491,032	4,657,068	6,998,840	6,565,573
Library	3,125,090	2,601,164	2,426,448	2,464,463	2,158,580
Other pass-through payments	-	-	-	-	-
Capital outlay	14,328,396	47,887,675	11,067,756	4,819,364	10,307,277
Debt service:					
Principal	2,545,598	2,061,323	1,708,629	1,477,188	2,688,630
Interest and fiscal charges	851,968	612,391	488,363	548,472	665,241
Total expenditures	113,499,997	136,394,620	90,608,753	82,950,194	85,888,808
Excess of revenues over (under) expenditures	19,813,583	(13,336,906)	4,613,162	3,135,025	(2,379,089)
Other financing sources (uses)					
Proceeds from sale of property	-	-	1,425,889	89,657	252,613
Inception of finance purchase agreement	-	3,275,547	362,413	-	-
Inception of lease liability	384,011	196,119	-	-	-
Contributions to other governments	-	-	-	-	-
Transfers in	11,455,770	69,860,227	14,158,728	12,557,880	16,569,439
Transfers out	(13,212,484)	(23,491,596)	(11,759,357)	(10,906,728)	(13,525,085)
Total other financing sources (uses)	(1,372,703)	49,840,297	4,187,673	1,740,809	3,296,967
Net change in fund balances	$ 18,440,880	$ 36,503,391	$ 8,800,835	$ 4,875,834	$ 917,878
Restatements	$ -	$ -	$ 3,660,669	$ -	$ -
Debt service as a percentage of non-capital expenditures [1]	3.4%	3.0%	2.8%	2.6%	4.4%

NOTE:

[1] Calculated by dividing the sum of principal and interest by noncapital expenditures which are total expenditures less

a) capital outlay (to extent capitalized for the government-wide statements of net position; and

b) expenditures for capitalized assets contained within the functional expenditure categories.

[2] The City's tax revenue was bolstered by the passage of a new one-cent local sales tax and a favorable tax reallocation from its Amazon fulfillment center.

City of Redlands
Schedule 4
Changes in Fund Balances of Governmental Funds (Continued)
Last Ten Fiscal Years (modified accrual basis of accounting)

	Fiscal Years				
	2018	2017	2016	2015	2014
Revenues					
Taxes	$ 53,608,771	$ 51,196,332	$ 49,641,089	$ 46,615,173	$ 44,578,492
Licenses and permits	8,249,522	8,482,996	7,321,567	11,582,473	8,668,245
Intergovernmental	4,029,164	4,266,267	3,637,854	5,602,252	6,305,374
Charges for services	8,100,020	7,484,890	7,469,738	7,283,095	7,186,570
Use of money and property	185,610	191,541	717,504	431,301	491,377
Other miscellaneous	4,866,979	3,958,621	3,785,796	1,900,979	1,472,348
Total revenues	79,040,066	75,580,647	72,573,548	73,415,273	68,702,406
Expenditures					
Current:					
General government	12,830,680	12,351,772	12,915,590	11,041,353	10,562,420
Public safety	45,246,205	42,755,811	40,337,356	37,891,668	37,633,605
Culture and recreation	2,870,721	2,611,210	2,481,223	2,791,661	2,631,892
Highway and streets	7,033,817	5,695,084	5,034,090	6,107,137	5,913,207
Library	1,989,717	1,942,607	1,909,442	1,824,593	1,762,608
Other pass-through payments	-	-	-	-	-
Capital outlay	6,132,826	15,476,158	11,481,823	23,146,625	13,431,527
Debt service:					
Principal	3,043,767	3,115,653	3,947,223	3,701,474	3,948,940
Interest and fiscal charges	812,002	976,711	1,158,384	1,343,002	1,489,466
Total expenditures	79,959,735	84,925,006	79,265,131	87,847,513	77,373,665
Excess of revenues over (under) expenditures	(919,669)	(9,344,359)	(6,691,583)	(14,432,240)	(8,671,259)
Other financing sources (uses)					
Proceeds from sale of property	1,975,203	6,272,810	311,189	16,083	185,625
Inception of finance purchase agreement	-	-	-	-	-
Inception of lease liability	-	-	-	-	-
Contributions to other governments	-	-	-	(100,919)	-
Transfers in	19,326,814	15,430,085	15,911,839	29,941,931	20,792,923
Transfers out	(9,788,204)	(11,558,209)	(9,720,247)	(13,980,425)	(10,187,645)
Total other financing sources (uses)	11,513,813	10,144,686	6,502,781	15,876,670	10,790,903
Net change in fund balances	$ 10,594,144	$ 800,327	$ (188,802)	$ 1,444,430	$ 2,119,644
Restatements	$ -	$ -	$ -	$ -	$ (33,695)
Debt service as a percentage of non-capital expenditures [1]	5.2%	5.9%	7.5%	8.1%	9.5%

[1] Calculated by dividing the sum of principal and interest by noncapital expenditures which are total expenditures less
a) capital outlay (to extent capitalized for the government-wide statements of net position; and
b) expenditures for capitalized assets contained within the functional expenditure categories.

[2] The City's tax revenue was bolstered by the passage of a new one-cent local sales tax and a favorable tax reallocation from its Amazon fulfillment center.

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City of Redlands
Schedule 5
Assessed Value and Estimated Actual Value of Taxable Property
Last Ten Fiscal Years

Fiscal Year Ended June 30	Secured	Unsecured	Less: Exemptions	Taxable Assessed Value	Total Direct Tax Rate
2023	11,786,415	339,774	(70,106)	12,056,083	0.21821
2022	11,148,507	342,259	(72,875)	11,417,891	0.21869
2021	10,700,129	358,630	(73,396)	10,985,363	0.21864
2020	10,187,750	361,653	(74,204)	10,475,199	0.21874
2019	9,564,308	387,527	(74,744)	9,877,091	0.21877
2018	9,090,915	328,121	(76,265)	9,342,771	0.21877
2017	8,616,414	309,224	(76,808)	8,848,830	0.21877
2016	8,112,897	337,359	(74,030)	8,376,226	0.21877
2015	7,725,648	316,364	(75,033)	7,966,979	0.21913
2014	7,311,929	313,408	(76,552)	7,548,785	0.22927

NOTE:

In 1978, the voters of the State of California passed Proposition 13, which limited property taxes to a total minimum rate of 1%, based upon the assessed value of the property being taxed. Each year, the assessed value of property may be increased by an "inflation factor" (limited to a maximum increase of 2%). With few exceptions, property is only re-assessed at the time that it is sold to a new owner. At that point, the new assessed value is re-assessed at the purchase price of the property sold. The assessed valuation data shown above represents the only data currently available, with respect to the actual market value of taxable property, and is subject to the limitations described above.

With the approval of ABX1 26, the State eliminated Redevelopment from the State of California for the Fiscal Year 2012/13 and years thereafter.

Source: San Bernardino County Assessor (via HdL, Coren & Cone)
California Municipal Statistics, Inc.
San Bernardino County Auditor-Controller - Property Tax Division

City of Redlands
Schedule 6
Assessed Value and Estimated Actual Value of Taxable Property by Major Type
Last Ten Fiscal Years

	Fiscal Years				
CATEGORY	2023	2022	2021	2020	2019
Residential	7,877,964	7,407,486	7,072,365	6,708,893	6,246,593
Commercial	1,387,866	1,299,726	1,253,237	1,176,203	1,085,468
Industrial	1,444,607	1,361,167	1,326,479	1,253,275	1,201,011
Government	6,929	15,553	2,883	576	548
Institutional	22,473	21,841	20,405	18,506	18,463
Irrigated	29,799	25,897	27,275	28,199	26,136
Miscellaneous	45,389	36,104	37,025	33,513	39,302
Recreational	48,611	55,431	51,028	50,098	49,887
Vacant Land	264,095	270,853	222,964	232,018	199,973
SBE Nonunitary	634,683	654,449	686,469	686,469	696,927
Unsecured	363,771	360,182	358,629	361,653	387,527
Unknown	-	-	-	-	-
Total Assessed Value	12,126,187	11,508,689	11,058,759	10,549,403	9,951,835
Less: Exemptions	(70,106)	(72,875)	(73,396)	(74,204)	(74,744)
Taxable Assessed Value	12,056,081	11,435,814	10,985,363	10,475,199	9,877,091
Total Direct Rate	0.21821	0.21755	0.21718	0.21732	0.21877

NOTES:
Exempt values are not included in Total
In 1978 the voters of the State of California passed Proposition 13 which limited taxes to a total maximum rate of 1%, based upon the assessed value of the property being taxed. Each year, the assessed value of property may be increased by an "inflation factor" (limited to a maximum of 2%). With few exceptions, property is only reassessed as a result of new construction activity or at the time it is sold to a new owner. At that point, the property is reassessed based upon the added value of the construction or at the purchase price (market value) or economic value of the property sold. The assessed valuation data shown above represents the only data currently available with respect to the actual market value of taxable property and is subject to the limitations described above.

* Beginning in 2013/14 the Total Direct Rate no longer includes revenue generated from the former redevelopment tax rate areas. For the purposes of this report, residual revenue is assumed to be distributed to the City in the same proportions as general fund revenue.

Source: San Bernardino County Assessor (via HdL, Coren & Cone)

City of Redlands
Schedule 6
Assessed Value and Estimated Actual Value of Taxable Property by Major Type (Continued)
Last Ten Fiscal Years

	Fiscal Years				
CATEGORY	2018	2017	2016	2015	2014*
Residential	5,935,215	5,643,230	5,355,614	5,102,276	4,781,493
Commercial	1,040,344	988,145	959,063	941,128	920,337
Industrial	1,160,879	1,035,053	790,087	774,960	675,107
Government	522	513	505	1,478	498
Institutional	17,188	16,293	16,172	15,809	15,906
Irrigated	26,471	26,750	26,691	30,844	41,179
Miscellaneous	27,016	26,495	23,785	22,390	20,217
Recreational	49,678	32,808	32,520	31,962	31,852
Vacant Land	200,329	209,375	277,305	231,763	234,071
SBE Nonunitary	633,273	637,752	631,155	573,038	591,269
Unsecured	328,121	309,224	337,359	316,364	313,408
Unknown	-	-	-	-	-
Total Assessed Value	9,419,036	8,925,638	8,450,256	8,042,012	7,625,337
Less: Exemptions	(76,265)	(76,808)	(74,030)	(75,033)	(76,552)
Taxable Assessed Value	9,342,771	8,848,830	8,376,226	7,966,979	7,548,785
Total Direct Rate	0.21877	0.21877	0.21877	0.21913	0.22927

City of Redlands
Schedule 7
Direct and Overlapping Property Tax Rates
Last Ten Fiscal Years

	Fiscal Year				
	2023	2022	2021	2020	2019
City Share of Basic Levy (1)	0.21878	0.21878	0.21878	0.21878	0.21878
Overlapping Rates: (2)					
County General Fund	0.14600	0.14600	0.14600	0.14600	0.14600
County Superintendent	0.00750	0.00740	0.00740	0.00750	0.00750
Inland Empire Joint Resource Conservation District	0.00050	0.00050	0.00050	0.00050	0.00050
Educational Revenue Augmentation Fund	0.22110	0.22110	0.22110	0.22110	0.22110
Flood Control Zone 3	0.02560	0.02560	0.02560	0.02560	0.02560
Flood Control Admin 3-6	0.00088	0.00088	0.00088	0.00088	0.00088
Redlands Unified	0.30160	0.30160	0.30160	0.30160	0.30160
San Bernardino Community College	0.05130	0.05130	0.05130	0.05130	0.05130
San Bernardino Valley Municipal Water	0.02630	0.02640	0.02640	0.02630	0.02630
San Bernardino Valley Water Conservation District	0.00044	0.00044	0.00044	0.00044	0.00044
Total Proposition 13 Rate	1.00000	1.00000	1.00000	1.00000	1.00000
Redlands Debt Service		-	-	-	-
Redlands Unified	0.02790	0.06620	0.03600	0.03390	0.03240
San Bernardino Community College	0.04500	0.05340	0.06510	0.05620	0.04070
San Bernardino Unified	0.08780	0.10890	0.10340	0.09690	0.11260
San Bernardino Valley Municipal Water	0.13000	0.13000	0.14250	0.14250	0.15250
Total Voter Approved Rate	0.29070	0.35850	0.34700	0.32950	0.33820
Total Direct and Overlapping Rate	1.29070	1.35850	1.34700	1.32950	1.33820
City Share of 1% Levy Per Prop 13 (3)	0.21878	0.21878	0.21878	0.21878	0.21878
Redlands Debt Service		-	-	-	-
City Direct Rate (4)	**0.21821**	**0.21755**	**0.21718**	**0.21732**	**0.21877**

NOTES:

(1) In 1978, California voters passed Proposition 13, which sets the property tax rate at a 1.00% fixed amount. This 1.00% is shared by all taxing agencies in which the subject property resides. In addition to the 1.00% fixed amount, property owners are charged taxes as a percentage of assessed property values for the payment of various voter approved items.

(2) Overlapping rates are those of local and county governments that apply to property owners within the City. Not all overlapping rates apply to all city property owners.

(3) City's Share of 1% Levy is based on the City's share of the general fund tax rate area with the largest net taxable value within the city. ERAF general fund tax shifts may not be included in tax ratio figures.

(4) Because basic and debt rates vary by tax rate area, individual rates cannot be summed. Total Direct Rate is the weighted average of all individual direct rates applied by the government preparing the statistical section.

Source: San Bernardino County Assessor (via HdL, Coren & Cone)

City of Redlands
Schedule 7
Direct and Overlapping Property Tax Rates (Continued)
Last Ten Fiscal Years

	Fiscal Year				
	2018	2017	2016	2015	2014
City Share of Basic Levy (1)	0.21878	0.21878	0.21878	0.21878	0.21878
Overlapping Rates: (2)					
County General Fund	0.14600	0.14600	0.14600	0.14600	0.14600
County Superintendent	0.00750	0.00750	0.00750	0.00750	0.00750
Inland Empire Joint Resource Conservation District	0.00050	0.00050	0.00050	0.00050	0.00050
Educational Revenue Augmentation Fund	0.22110	0.22110	0.22110	0.22110	0.22110
Flood Control Zone 3	0.02560	0.02560	0.02560	0.02560	0.02560
Flood Control Zone 8	0.00088	0.00088	0.00088	0.00088	0.00088
Redlands Unified	0.30160	0.30160	0.30160	0.30160	0.30160
San Bernardino Community College	0.05130	0.05130	0.05130	0.05130	0.05130
San Bernardino Valley Municipal Water	0.02630	0.02630	0.02630	0.02630	0.02630
San Bernardino Valley Water Conservation District	0.00044	0.00044	0.00044	0.00044	0.00044
Total Proposition 13 Rate	1.00000	1.00000	1.00000	1.00000	1.00000
Redlands Debt Service	-	-	-	-	0.01050
Redlands Unified	0.04940	0.05240	0.05670	0.05940	0.06290
San Bernardino Community College	0.03760	0.03500	0.04030	0.03930	0.04190
San Bernardino Unified	0.10070	0.07950	0.11820	0.10810	0.13500
San Bernardino Valley Municipal Water	0.15250	0.16250	0.16250	0.16250	0.16250
Total Voter Approved Rate	0.34020	0.32940	0.37770	0.36930	0.41280
Total Direct and Overlapping Rate	1.34020	1.32940	1.37770	1.36930	1.41280
City Share of 1% Levy Per Prop 13 (3)	0.21878	0.21878	0.21878	0.21878	0.21878
Redlands Debt Service	-	-	-	-	0.01050
City Direct Rate (4)	**0.21877**	**0.21877**	**0.21877**	**0.21913**	**0.22927**

NOTES:

(1) In 1978, California voters passed Proposition 13, which sets the property tax rate at a 1.00% fixed amount. This 1.00% is shared by all taxing agencies in which the subject property resides. In addition to the 1.00% fixed amount, property owners are charged taxes as a percentage of assessed property values for the payment of various voter approved items.

(2) Overlapping rates are those of local and county governments that apply to property owners within the City. Not all overlapping rates apply to all city property owners.

(3) City's Share of 1% Levy is based on the City's share of the general fund tax rate area with the largest net taxable value within the city. ERAF general fund tax shifts may not be included in tax ratio figures.

(4) Because basic and debt rates vary by tax rate area, individual rates cannot be summed. Total Direct Rate is the weighted average of all individual direct rates applied by the government preparing the statistical section.

Source: San Bernardino County Assessor (via HdL, Coren & Cone)

City of Redlands
Schedule 8
Top Ten Principal Property Taxpayers
Fiscal Year 2023 and Ten Years Prior
(in Thousands)

Taxpayer	2023 Taxable Assessed Value	2023 Percentage of Total Taxable Assessed Value	2014 Taxable Assessed Value	2014 Percentage of Total Taxable Assessed Value
Southern California Edison Company	$ 632,551	5.25%	$ 591,039	7.83%
Prologis LP*	209,073	1.73%	62,390	0.83%
NYS New LLC**	143,955	1.19%	69,907	0.93%
PVT Apartments SPE LLC	137,284	1.14%	-	-
BCI-OEF Redlands DC LP	110,069	0.91%	-	-
Ashley Furniture Industries	94,810	0.79%	-	-
AMB Institutional Alliance Fund III	94,652	0.79%	57,000	0.76%
Redlands Owner LP	90,280	0.75%	-	-
Duke Realty LP	82,953	0.69%	-	-
2301 W. San Bernardino Ave Invest Group	63,837	0.53%	44,000	0.58%
Parkview Terrace Associates LLC	-	-	83,175	1.10%
NP Redlands LLC	-	-	62,741	0.83%
CLPF - Redlands Business Center	-	-	45,776	0.61%
Environmental Systems Research Institute	-	-	35,299	0.47%
PACGWL LLC	-	-	30,235	0.40%
Top Ten Total	$ 1,659,464	13.76%	$ 1,081,562	14.33%
City Total Net Taxable Assessed Value	$ 12,056,083		$ 7,548,785	

* Formerly known as Prologis California II LP
** Pending appeals on parcels

Source: San Bernardino County Assessor (via HdL, Coren & Cone)

City of Redlands
Schedule 9
Property Tax Levies and Collections [1]
Last Ten Fiscal Years

Fiscal Year Ended June 30	Taxes Levied for the Fiscal Year	Collected within the Fiscal Year of Levy[2]		Subsequent Years Collections of Prior Years	Total Collections to Date[2]	
		Amount	Percent of Levy		Amount	Percent of Levy
2023	$ 49,559,611	$ 49,351,461	99.58%	$ 651,627	$ 50,003,088	100.89%
2022	$ 49,347,531	$ 49,204,423	99.71%	$ 691,484	$ 49,895,907	101.11%
2021	46,298,808	46,048,794	99.46%	615,108	46,663,902	100.79%
2020	42,472,462	42,173,456	99.30%	524,343	42,697,799	100.53%
2019	41,184,840	40,950,087	99.43%	571,918	41,522,005	100.82%
2018	35,648,742	35,417,025	99.35%	585,973	36,002,998	100.99%
2017	33,814,971	33,547,833	99.21%	561,371	34,109,204	100.87%
2016	31,245,233	31,220,237	99.92%	593,784	31,814,021	101.82%
2015	30,236,660	30,224,565	99.96%	618,909	30,843,474	102.01%
2014	29,697,798	29,620,584	99.74%	834,306	30,454,890	102.55%
2013	29,365,178	28,237,555	96.16%	725,114	28,962,669	98.63%

NOTE:

[1] The amounts presented include City property taxes and Redevelopment Agency tax increment, as well as amounts collected by the City and Redevelopment Agency that were passed-through to other agencies. The State dissolved the redevelopment agency effective in 2012. This resulted in the City having to issue a refund of increment received that the County deemed as excess.

[2] Subsequent Years Collections of Prior Years may include delinquent tax payments from multiple prior years which are not identified separately by the County of San Bernardino. Any tax system changes required to identify and track this information would have to be developed in the County's tax system and subsequently included in reports provided to the City. At this time it is not known when or if the County will make such a change.

Source: City of Redlands, San Bernardino County Auditor-Controller/Treasurer/Tax Collector

City of Redlands
Schedule 10
Ratios of Outstanding Debt by Type
Last Ten Fiscal Years

Fiscal Year Ended June 30	Governmental Activities: General Obligation Bonds	Taxable Pension Bonds	Tax Allocation Bonds	Certificates of Participation	Notes / Leases Payable	Total Governmental Activities
2023		$ 4,607,478	$ -	$ -	$ 4,869,725	$ 9,477,203
2022		$ 6,172,956	$ -	$ -	$ 5,739,328	$ 11,912,284
2021	-	7,591,783	-	-	2,147,431	9,739,214
2020	-	8,869,341	-	-	2,148,647	11,017,988
2019	-	10,015,991	-	-	2,033,734	12,049,725
2018	-	12,452,070	-	-	2,207,364	14,659,434
2017	-	14,596,411	-	643,006	2,376,131	17,615,548
2016	-	16,581,841	-	1,466,010	2,656,784	20,704,635
2015	-	18,367,081	-	3,299,014	2,959,007	24,625,102
2014	-	19,966,684	-	5,077,018	2,077,451	27,121,153

NOTE:

Details regarding the City's outstanding debt can be found in the notes to the financial statements.

As a result of the dissolution of the redevelopment agency in 2012, the outstanding $30,150,000 indebtedness of the former redevelopment agency was transferred to the Successor Agency.

As of 6/30/2023, that indebtedness has been fully satisfied.

Source: City of Redlands

City of Redlands
Schedule 10
Ratios of Outstanding Debt by Type (Continued)
Last Ten Fiscal Years

Fiscal Year Ended June 30	Business-type Activities						Total Primary Government	Percentage of Personal Income	Debt Per Capita
	Water Revenue Bonds	Wastewater Revenue Bonds	Solid Waste Revenue Bonds	Certificates of Participation	Notes / Leases Payable	Total Business-type Activities			
2022	$ -	$ -	$ 1,660,000	$ -	$13,028,749	$ 14,688,749	$24,165,952	0.78%	334
2022	$ -	$ -	$ 3,408,353	$ -	$14,644,928	$ 18,053,281	$29,965,565	1.05%	409
2021	-	-	5,091,347	-	15,514,242	20,605,589	30,344,803	1.16%	426
2020	-	-	6,704,343	-	16,784,165	23,488,508	34,506,496	1.20%	486
2019	-	-	8,247,337	-	18,129,060	26,376,397	38,426,122	1.54%	542
2018	-	-	9,720,331	-	19,440,040	29,160,371	43,819,805	1.76%	618
2017	-	990,000	11,138,322	-	20,929,311	33,057,633	50,673,181	2.31%	732
2016	-	2,021,443	12,506,313	-	18,819,314	33,347,070	54,051,705	2.41%	774
2015	1,195,000	3,024,098	13,834,309	-	16,429,544	34,482,951	59,108,053	2.63%	847
2014	2,402,890	4,001,754	15,132,303	-	17,496,799	39,033,746	66,154,899	2.92%	947

City of Redlands
Schedule 11
Ratio of General Bonded Debt Outstanding
Last Ten Fiscal Years
(In Thousands, except Per Capita)

Fiscal Year Ended June 30	Outstanding General Bonded Debt					Accumulated Resources to Repay Principal	Net General Bonded Debt	Percent of Assessed Value [1]	Per Capita
	General Obligation Bonds	Taxable Pension Bonds	Tax Allocation Bonds	Certificates of Participation	Total				
2023	-	4,607	-	-	4,607	185	4,422	0.04%	61
2022	-	6,173	-	-	6,173	1,620	4,553	0.04%	62
2021	-	7,592	-	-	7,592	1,480	6,112	0.06%	86
2020	-	8,869	-	-	8,869	1,520	7,349	0.08%	104
2019	-	10,016	-	-	10,016	1,383	8,633	0.10%	122
2018	-	12,452	-	-	12,452	2,575	9,877	0.13%	139
2017	-	14,596	-	643	15,239	2,416	12,823	0.17%	185
2016	-	16,582	-	1,466	18,048	2,265	15,783	0.21%	232
2015	-	18,367	-	3,299	21,666	2,129	19,537	0.27%	280
2014	-	19,967	-	5,077	25,044	3,521	21,523	0.33%	308

NOTE:
General bonded debt is debt payable with governmental fund resources and general obligation bonds recorded in enterprise funds (of which, the City has none).
As a result of the dissolution of the redevelopment agency in 2012, the outstanding $30,150,000 indebtedness of the former redevelopment agency was transferred to the Successor Agency. As of 6/30/2023, that indebtedness has been fully satisfied.

[1] Assessed value has been used because the actual value of taxable property is not readily available in the State of California.

City of Redlands
Schedule 12
Direct and Overlapping Governmental Activities Debt
As of June 30, 2023

Net Taxable 2022-2023 Assessed Valuation $ 12,032,086,055

	Percentage Applicable [1]	Outstanding Debt 06/30/23	Estimated Share of Overlapping Debt
Overlapping Tax and Assessment Debt:			
San Bernardino Community College District	13.016%	$ 708,007,978	$ 92,154,318
Redlands Unified School District	55.847%	54,383,512	$ 30,371,560
San Bernardino City Unified School District	0.037%	262,865,410	$ 97,260
City of Redlands Community Facilities District No. 2001-1	100.000%	2,535,000	$ 2,535,000
City of Redlands Community Facilities District No. 2003-1	100.000%	6,830,000	$ 6,830,000
Total Overlapping Tax and Assessment Debt		1,034,621,900	131,988,139
Overlapping General Fund Debt:			
San Bernardino County General Fund Obligations	4.142%	160,860,000	6,662,821
San Bernardino County Pension Obligations	4.142%	62,960,000	2,607,803
San Bernardino County Flood Control District General Fund Obligations	4.142%	41,065,000	1,700,912
San Bernardino City Unified School District (Certificates of Participation)	0.037%	76,370,000	28,257
Yucaipa-Calimesa Joint Unified School District (Certificates of Participation)	0.695%	5,497,409	38,207
Total Overlapping General Fund Debt		346,752,409	11,038,001
Overlapping Tax Increment Debt (Successor Agencies)			
San Bernardino County Inland Valley Tax Allocation Bonds	6.067%	215,135,000	$ 13,052,240
Total Overlapping Tax Increment Debt		215,135,000	13,052,240
Total Gross Overlapping General Fund Debt		561,887,409	24,090,241
Total Gross Overlapping Debt			$ 156,078,380
Direct General Fund Debt:			
City of Redlands Pension Obligations	100.000%	3,925,485	3,925,485
Total Direct General Fund Debt			3,925,485
Direct Loan/Capital Lease Debt:			
I-Bank Sports Park Lease	100.000%	$ 1,154,446	$ 1,154,446
Finance Purchase Agreements and Leases Payable	100.000%	3,024,120	3,024,120
Total Direct General Fund Debt		4,178,566	4,178,566
Total Direct Debt			$ 8,104,051
Combined Total Direct and Overlapping Debt [2]			$ 164,182,431

[1] The overlapping district's assessed valuation located within the City is divided by the total assessed valuation of the overlapping district. That percentage is multiplied by the total debt outstanding for the overlapping district resulting in the City's share of debt.

[2] Excludes tax and revenue anticipation notes, enterprise revenue, and mortgage revenue.

Ratios to 2022-23 Assessed Valuation:	
Total Overlapping Tax and Assessment Debt	1.10%
Total Direct Debt ($3,925,485)	0.03%
Combined Total Debt	1.33%
Ratios to Redevelopment Successor Agencies Incremental Valuation ($1,622,271,373)	
Total Overlapping Tax Increment Debt	0.80%

Sources: Avenu Insights and Analytics

This report reflects debt which is being repaid through voter-approved tax indebtedness. It excludes mortgage revenue, tax allocation bonds, interim financing obligations, non-bonded capital lease obligations, and certificates of participation, unless provided by the City of Redlands.

Overlapping governments are those that coincide, at least in part, with the geographic boundaries of the City of Redlands. The percentage of overlapping debt applicable is estimated by using taxable assessed values. Applicable percentages were estimated by determining the portion of another governmental unit's taxable assessed value that is within the City of Redlands boundaries and dividing it by each unit's total taxable assessed value.

City of Redlands
Schedule 13
Legal Debt Margin Information
Last Ten Fiscal Years

Legal Debt Margin Calculation	Fiscal Year 2023	2022	2021	2020	2019
Assessed valuation	12,056,083,275	11,435,814,517	10,985,363,463	10,475,199,528	9,877,091,307
Conversion percentage	25%	25%	25%	25%	25%
Adjusted assessed valuation	3,014,020,819	2,858,953,629	2,746,340,866	2,618,799,882	2,469,272,827
Debt limit percentage	15%	15%	15%	15%	15%
Debt limit	452,103,123	428,843,044	411,951,130	392,819,982	370,390,924
Total net debt applicable to limit:					
General obligation bonds	-	-	-	-	-
Legal debt margin	452,103,123	428,843,044	411,951,130	392,819,982	370,390,924
Total debt applicable to the limit as a percentage of debt limit	0.00%	0.00%	0.00%	0.00%	0.00%

NOTE:

The Government Code of the State of California provides for a legal debt limit of 15% of gross assessed valuation. However, this provision was enacted when assessed valuation was based upon 25% of market value. Effective with the 1981-82 fiscal year, each parcel is now assessed at 100% of market value (as of the most recent change in ownership for that parcel). The computations shown above reflect a conversion of assessed valuation data for each fiscal year from the current full valuation perspective to the 25% level that was in effect at the time that the legal debt margin was enacted by the State of California for local governments located within the state.

Source: San Bernardino County Assessor (via HdL, Coren & Cone)
City of Redlands
California Municipal Statistics, Inc.

City of Redlands
Schedule 13
Legal Debt Margin Information (Continued)
Last Ten Fiscal Years

Legal Debt Margin Calculation	Fiscal Year 2018	2017	2016	2015	2014
Assessed valuation	9,342,770,314	8,925,637,991	8,450,256,632	8,042,012,336	7,625,337,937
Conversion percentage	25%	25%	25%	25%	25%
Adjusted assessed valuation	2,335,692,579	2,231,409,498	2,112,564,158	2,010,503,084	1,906,334,484
Debt limit percentage	15%	15%	15%	15%	15%
Debt limit	350,353,887	334,711,425	316,884,624	301,575,463	285,950,173
Total net debt applicable to limit:					
General obligation bonds	-	-	-	-	-
Legal debt margin	350,353,887	334,711,425	316,884,624	301,575,463	285,950,173
Total debt applicable to the limit as a percentage of debt limit	0.00%	0.00%	0.00%	0.0%	0.0%

City of Redlands
Schedule 14
Pledged Revenue Coverage
Last Ten Fiscal Years

Water Revenue Bonds

Fiscal Year Ended June 30	Water Revenue	Less Operating Expenses	Net Available Revenue	Debt Service Principal	Debt Service Interest		Coverage
2023	-	-	-	-	-		N/A
2022	-	-	-	-	-		N/A
2021	-	-	-	-	-		N/A
2020	-	-	-	-	-		N/A
2019	-	-	-	-	-		N/A
2018	-	-	-	-	-		N/A
2017	-	-	-	-	-		N/A
2016	19,566,403	18,802,920	763,483	1,195,000	17,925	*	0.63
2015	23,236,963	16,684,682	6,552,281	1,160,000	53,250		5.40
2014	25,638,627	16,837,289	8,801,338	1,125,000	81,900		7.29

Wastewater Revenue Bonds

Fiscal Year Ended June 30	Wastewater Revenue	Less Operating Expenses	Net Available Revenue	Debt Service Principal	Debt Service Interest		Coverage
2023	-	-	-	-	-		N/A
2022	-	-	-	-	-		N/A
2021	-	-	-	-	-		N/A
2020	-	-	-	-	-		N/A
2019	-	-	-	-	-		N/A
2018	9,689,226	7,274,339	2,414,887	990,000	19,800	*	2.39
2017	9,483,891	7,207,159	2,276,732	960,000	58,800		2.23
2016	9,981,677	7,319,389	2,662,288	925,000	91,875		2.62
2015	9,932,156	6,483,856	3,448,300	900,000	119,250		3.38
2014	11,290,716	6,917,341	4,373,375	880,000	141,550		4.28

Solid Waste Revenue Bonds

Fiscal Year Ended June 30	Solid Waste Revenue	Less Operating Expenses	Net Available Revenue	Debt Service Principal	Debt Service Interest	Coverage
2023	20,447,864	16,549,875	3,897,989	1,580,000	122,500	2.29
2022	21,106,844	14,161,410	6,945,434	1,500,000	199,500	3.21
2021	19,780,794	13,669,667	6,111,127	1,430,000	272,750	2.82
2020	19,833,178	13,639,644	6,193,534	1,360,000	342,500	3.64
2019	17,996,521	14,518,673	3,477,848	1,290,000	408,750	1.61
2018	15,507,091	11,060,050	4,447,041	1,235,000	465,700	2.05
2017	13,899,757	9,911,432	3,988,325	1,185,000	537,800	2.32
2016	13,974,604	10,437,524	3,537,080	1,145,000	572,150	2.06
2015	13,442,842	10,341,915	3,100,927	1,115,000	516,422	1.90
2014	12,560,609	10,130,417	2,430,192	-	213,642	11.38

NOTE:

Details regarding the City's outstanding debt can be found in the notes to the financial statements. Operating expenses do not include interest or depreciation expenses.

* In 2016, the Water Refunding Revenue Bonds Series 2012A matured and were paid in full.

* In 2018, the Wastewater Refunding Revenue Bonds Series 2012A matured and were paid in full.

Source: City of Redlands

City of Redlands
Schedule 15
Demographic and Economic Statistics
Last Ten Fiscal Years

Calendar Year	Population (1)	Personal Income (In Thousands)	Per Capita Personal Income (2)	Unemployment Rate (3)
2022	72,259	3,086,832	42,719	5.5%
2021	73,288	2,846,286	38,837	2.9%
2020	71,154	2,607,936	36,652	7.4%
2019	70,952	2,882,851	40,631	3.0%
2018	71,441	2,790,914	39,066	3.2%
2017	70,851	2,494,168	35,203	3.1%
2016	69,211	2,195,442	31,721	3.3%
2015	68,040	2,192,657	32,226	3.0%
2014	69,814	2,243,752	32,139	4.7%
2013	69,882	2,265,714	32,422	6.0%

Sources:
(1) State of California, Department of Finance - Demographic Research Unit
(2) U.S Department of Commerce U.S Census Bureau
(3) State of California, Employment Development Department

City of Redlands
Schedule 16
Principal Employers
Fiscal Year 2023 and Ten Years Prior

	2023		2014	
Employer	Number of Employees	Percent of Total Employment	Number of Employees	Percent of Total Employment
ESRI	2,419	6.56%	1,900	5.16%
Redlands Unified School District*	2,373	6.43%	1,843	5.01%
Amazon Fulfillment Center (Redlands)**	1,856	5.03%		0.00%
Redlands Community Hospital	1,782	4.83%	1,250	3.40%
Optum (Beaver Medical Group & Epic Mgmt)	1,027	2.78%	538	
City of Redlands	504	1.37%	534	1.45%
University of Redlands	494	1.34%	547	1.49%
Loma Linda University Behavioral Medicine Ctr.	392	1.06%	-	
Terracina Post Acute	333	0.90%	-	
The Home Depot	252	0.68%	-	
United States Postal Service (USPS)			1,400	3.80%
Verizon			1,240	3.37%
Wal-Mart Stores, Inc.			420	1.14%
La-Z-Boy, Inc.			391	1.06%
Total of Top Employers	11,432	30.98%	10,063	27.35%
Total Employees in City(1)	36,900		36,800	
County "Donut Hole" Employers (2):				
Burlington Coat Factory Distribution Center	997	2.70%		
Amazon Fulfillment Center*	500	1.36%		
Target	250	0.68%		
Kohls Retail Store	120	0.33%		
Becton Dickinson (BD) Distribution	120	0.33%		
JCPenney	80	0.22%		
Prime Line Products	38	0.10%		
Total Employees	2,105	5.70%		

*Count includes PT/FT, classified, certificated, admin.
**Previous year combined County and City totals
*** La-Z-Boy, Inc. and Superior Building Products closed its locations in Redlands, CA in late 2019

NOTES:

(1)Total Employees in City provided by EDD Labor Force Data, represents the total employment of all employers located within City limits.
(2) The City of Redlands fully encapsulates a county pocket containing Citrus Plaza and a significant industrial area which is home to a number of distribution centers and logistics companies.
The City of Redlands has chosen to list some of the significant employers within this area as it is believed to contribute to the financial well being of the city.

Source: Avenu Insights and Analytics

City of Redlands
Schedule 17
Full Time Equivalent City Government Employees by Function/Program
Last Ten Fiscal Years

	Fiscal Years									
FUNCTION/PROGRAM	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
Full-time employees:										
City clerk's office	2	2	2	-	1	1	1	1	1	1
City manager's office	13	10	7	9	12	12	11	9	7	7
Development services	27	19	18	17	19	21	22	22	21	19
Finance	31	28	26	24	27	24	27	26	25	24
Fire	70	65	63	62	63	61	60	60	60	58
Human resources	12	11	9	7	9	9	10	8	7	7
Library	23	20	11	18	20	18	17	17	16	16
Management information systems	-	-	-	-	-	-	-	-	9	9
Department of Innovation & Tech	15	12	9	12	12	10	9	10	-	-
Municipal utilities and engineering:										
Administration	41	36	26	30	29	33	34	34	34	28
Water	47	48	45	48	50	50	49	49	50	49
Wastewater	22	17	21	23	24	24	24	24	24	24
Police	138	134	112	117	130	126	122	122	121	113
Facilities & Community Services[2]										
Administration, parks & streets	67	67	51	63	63	62	56	56	52	48
Equipment maintenance	5	5	10	4	4	5	5	5	6	6
Solid waste	44	42	38	39	39	33	33	33	32	32
Cemetery	5	4	4	4	4	4	4	4	4	3
	562	520	452	477	506	493	484	480	469	444
Part-time employees	40	51	39	43	68	90	87	87	88	81
At-will employees	-	-	10	-	-	-	-	-	-	-
Grant-funded employees[1]	1	1	1	1	7	7	10	10	10	10
Limited Term Position	-	-	1	-	-	4	1	1	-	-
	603	572	503	521	581	594	582	578	567	535

[1] Includes both full & part time positions.

[2] Prior to Fiscal Year 2018, the Facilities & Community Services Department was referred to as the Quality of Life Department Reorganizations in 2008 and 2016 created new departments, moved divisions and transferred employees. Historical data has been changed to reflect some but not all of these reorganizations.

Source: City of Redlands Budget

City of Redlands
Schedule 18
Operating Indicators by Function/Program
Last Ten Fiscal Years

FUNCTION/PROGRAM	Fiscal Years 2023	2022	2021	2020	2019
Police:					
Calls for service	38,502	44,746	44,259	52,520	52,914
Emergency calls for service [1]	665	68,761	649	808	815
Citations issued	2,685	2,135	4,239	6,837	5,449
Fire:					
Number of incidents	11,624	11,386	10,636	10,789	10,760
Inspections performed	1,521	1,688	1,362	6,429	5,821
Building and safety:					
Permits issued	3,005	2,764	2,078	2,159	2,111
Inspections performed	18,040	15,613	12,017	11,211	9,431
Parks and recreation:					
Community center attendance	31,069	28,245	13,645	45,022	48,500
Senior center attendance	19,539	17,763	5,822	20,175	25,109
Joslyn center attendance[2]	0	870	1,206	18,257	22,679
Youth sports attendance	34,392	31,266	4,774	10,032	12,396
Adult sports attendance	7,945	7,223	6,524	2,480	3,200
Water:					
Number of services	22,744	22,639	22,537	22,380	22,440
Average daily consumption (thousands of gallons)	20,487	29,317	22,560	25,926	26,670
Solid waste:					
Recycled materials (tons)	21,809	23,307	24,703	23,952	25,474
Refuse disposed (tons)	49,625	47,567	61,631	52,476	51,769
Library:					
Number of volumes	152,448	149,577	148,652	146,379	146,173

[1] Except for in FY 2021-22, this number indicates the total number of priority 1 calls received only. In FY 2021-22, it encompassed all levels.

[2] In FY 2022-23 , the Joslyn Senior Center was closed for the duration of fiscal year for renovations.

City of Redlands
Schedule 18
Operating Indicators by Function/Program (Continued)
Last Ten Fiscal Years

FUNCTION/PROGRAM	Fiscal Years 2018	2017	2016	2015	2014
Police:					
Calls for service [1]	54,370	40,159	47,488	55,972	54,529
Emergency calls for service [1]	708	517	578	538	504
Citations issued [1]	7,347	5,299	7,062	6,733	6,571
Fire:					
Number of incidents	10,684	10,484	10,169	9,354	8,980
Inspections performed [1]	4,075	2,827	2,186	1,974	2,234
Building and safety:					
Permits issued	2,408	2,110	1,947	1,932	2,150
Inspections performed	9,381	10,015	8,293	4,486	7,839
Parks and recreation:					
Community center attendance	51,000	44,725	42,625	31,238	19,100
Senior center attendance	24,970	24,415	28,675	29,415	27,891
Joslyn center attendance	20,498	21,554	23,795	21,846	16,932
Youth sports attendance	12,870	12,271	11,521	21,102	2,100
Adult sports attendance	1,800	2,830	5,760	7,200	20,340
Water:					
Number of services	22,113	22,378	21,842	21,842	21,732
Average daily consumption (thousands of gallons)	30,328	20,989	18,679	24,631	29,900
Solid waste:					
Recycled materials (tons)	23,758	22,287	22,805	20,611	26,570
Refuse disposed (tons)	51,798	52,527	52,826	49,416	72,228
Library:					
Number of volumes	144,173	144,887	144,122	140,667	142,989

Source: City of Redlands

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City of Redlands
Schedule 19
Capital Asset Statistics by Function/Program
Last Ten Fiscal Years

FUNCTION/PROGRAM	Fiscal Year 2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
Police:										
Stations	1	1	1	1	1	1	1	1	1	1
Sub-stations	1	1	1	1	1	2	2	2	2	2
Fire:										
Fire stations	4	4	4	4	4	4	4	4	4	4
Public works:										
Streets (miles)	302	300	300	368	368	368	319	316	316	315
Traffic signals (city-owned)	74	73	73	73	72	69	68	68	68	68
Parks and recreation:										
Parks (acreage)	313	333	333	333	327	295	295	295	295	295
Groves (acreage)	184	199	199	199	180	164	164	159	159	159
Community centers	3	3	3	3	3	3	3	3	3	3
Water:										
Water mains (miles)	427	400	400	388	388	388	385	386	386	390
Maximum daily production capacity (thousands of gallons)	34,900	34,900	34,900	55,000	55,000	55,000	55,000	55,000	55,000	55,000
Non Potable Water										
Water mains (miles)	34	34	34	34	34	34	34	33	32	30
Maximum daily production capacity (thousands of gallons)	4,100	4,100	4,100	14,000	4,500	4,500	4,500	4,500	4,500	4,500
Wastewater:										
Sewers (miles)	250	247	247	245	245	245	245	245	245	243
Daily capacity of wastewater plant (thousands of gallons)	9,500	9,500	9,500	9,500	9,500	9,500	9,500	9,500	9,500	9,500
Solid waste:										
Landfill (city-owned)	1	1	1	1	1	1	1	1	1	1
Library:										
Public library	1	1	1	1	1	1	1	1	1	1

Source: City of Redlands

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THE PUN GROUP
ACCOUNTANTS & ADVISORS

200 E. Sandpointe Avenue, Suite 600
Santa Ana, California 92707

www.pungroup.cpa

December 20, 2023

To the Honorable Mayor and Members of the City Council
of the City of Redlands
Redlands, California

We have audited the financial statements of the governmental activities, the business-type activities, each major fund, and the aggregate remaining fund information of the City of Redlands (the "City") for the year ended June 30, 2023, and have issued our report thereon dated December 20, 2023. Professional standards require that we provide you with information about our responsibilities under generally accepted auditing standards, *Government Auditing Standards* and the Uniform Guidance, as well as certain information related to the scope and timing of our audit. We have communicated such information in our letter to you dated May 1, 2023. Professional standards also require that we communicate to you the following information related to our audit.

Significant Audit Matters

Qualitative Aspects of Accounting Practices

Management is responsible for the selection and use of appropriate accounting policies. The significant accounting policies used by the City are described in Note 1 to the basic financial statements.

New Accounting Standards

- In May 2019, GASB issued Statement No. 91, *Conduit Debt Obligations* (GASB Statement No. 91), to provide a single method of reporting conduit debt obligations by issuers and eliminate diversity in practice associated with (1) commitments extended by issuers, (2) arrangements associated with conduit debt obligations, and (3) related note disclosures. This Statement achieves those objectives by clarifying the existing definition of a conduit debt obligation; establishing that a conduit debt obligation is not a liability of the issuer; establishing standards for accounting and financial reporting of additional commitments and voluntary commitments extended by issuers and arrangements associated with conduit debt obligations; and improving required note disclosures. Application of this statement did not have an effect on the City's financial reporting for the fiscal year ending June 30, 2023.
- In March 2020, GASB issued Statement No. 94, *Public-Private and Public-Public Partnerships and Availability Payment Arrangements.* The primary objective of this Statement is to improve financial reporting by addressing issues related to public-private and public-public partnership arrangements (PPPs). As used in this Statement, a PPP is an arrangement in which a government (the transferor) contracts with an operator (a governmental or nongovernmental entity) to provide public services by conveying control of the right to operate or use a nonfinancial asset, such as infrastructure or other capital asset (the underlying PPP asset), for a period of time in an exchange or exchange-like transaction. Application of this statement did not have an effect on the City's financial reporting for the fiscal year ending June 30, 2023.
- In May 2020, GASB issued Statement No. 96, *Subscription-Based Information Technology Arrangements*. This Statement provides guidance on the accounting and financial reporting for subscription-based information technology arrangements (SBITAs) for government end users (governments). This Statement (1) defines a SBITA; (2) establishes that a SBITA results in a right-to-use subscription asset—an intangible asset—and a corresponding subscription liability; (3) provides the capitalization criteria for outlays other than subscription payments, including implementation costs of a SBITA; and (4) requires note disclosures regarding a SBITA. To the extent relevant, the standards for SBITAs are based on the standards established in Statement No. 87, *Leases,* as amended. Application of this statement has a moderate effect on the City's financial reporting for the fiscal year ending June 30, 2023.

We noted no other new accounting policies were adopted and the application of existing policies was not changed during 2023. We noted no transactions entered into by the City during the year for which there is a lack of authoritative guidance or consensus. All significant transactions have been recognized in the financial statements in the proper period.

Accounting Estimates

Accounting estimates are an integral part of the financial statements prepared by management and are based on management's knowledge and experience about past and current events and assumptions about future events. Certain accounting estimates are particularly sensitive because of their significance to the financial statements and because of the possibility that future events affecting them may differ significantly from those expected.

The most sensitive estimates affecting the City's financial statements were:

- Management's estimate of the depreciation on capital assets is based on the industry standard and past experience on actual useful life of the asset groups. We evaluated the key factors and assumptions used to develop the depreciation on capital assets in determining that it is reasonable in relation to the financial statements taken as a whole.

- Management's estimate of the net other postemployment benefits ("OPEB") liability is based on the actuarial valuation on total OPEB liability. We evaluated the key factors and assumptions used to develop the total OPEB liability in determining that it is reasonable in relation to the financial statements taken as a whole.

- Management's estimate of the net pension liabilities is based on the proportionate share of actuarial valuation on total pension liability and the proportionate share of the fiduciary net position for CalPERS plans. We evaluated the key factors and assumptions used to develop the net pension liability in determining that it is reasonable in relation to the financial statements taken as a whole.

Certain financial statement disclosures are particularly sensitive because of their significance to financial statement users. The most sensitive disclosures affecting the financial statements were:

- Note 1 – Summary of Significant Accounting Policies
- Note 3 – Leases Receivable
- Note 11 – Pension Plans
- Note 12 – Other Postemployment Benefits
- Note 14 – Fund Balance and Net Position
- Note 20 – Prior Period Adjustments
- Note 21 – Commitments and Contingencies

The financial statement disclosures are neutral, consistent, and clear.

Difficulties Encountered in Performing the Audit

We encountered no significant difficulties in dealing with management in performing and completing our audit.

Corrected and Uncorrected Misstatements

Professional standards require us to accumulate all known and likely misstatements identified during the audit, other than those that are clearly trivial, and communicate them to the appropriate level of management. Management has corrected all such misstatements. In addition, none of the misstatements detected as a result of audit procedures and corrected by management were material, either individually or in the aggregate, to each opinion unit's financial statements taken as a whole.

Disagreements with Management

For purposes of this letter, a disagreement with management is a financial accounting, reporting, or auditing matter, whether or not resolved to our satisfaction, that could be significant to the financial statements or the auditor's report. We are pleased to report that no such disagreements arose during the course of our audit.

Management Representations

We have requested certain representations from management that are included in the management representation letter dated December 20, 2023.

Management Consultations with Other Independent Accountants

In some cases, management may decide to consult with other accountants about auditing and accounting matters, similar to obtaining a "second opinion" on certain situations. If a consultation involves application of an accounting principle to the governmental unit's financial statements or a determination of the type of auditor's opinion that may be expressed on those statements, our professional standards require the consulting accountant to check with us to determine that the consultant has all the relevant facts. To our knowledge, there were no such consultations with other accountants.

Other Audit Findings or Issues

We generally discuss a variety of matters, including the application of accounting principles and auditing standards, with management each year prior to retention as the governmental unit's auditors. However, these discussions occurred in the normal course of our professional relationship and our responses were not a condition to our retention.

Other Matters

We applied certain limited procedures to the Management's Discussion and Analysis, the Budgetary Comparison Schedules, the Schedule of Changes in the Net Pension Liability and Related Ratios, the Schedule of the City's Proportionate Share of the Net Pension Liability and Related Ratios, the Schedules of the Contributions, and the Schedule of Changes in Total Other Postemployment Benefits Liability and Related Ratios, which are required supplementary information ("RSI") that supplements the basic financial statements. Our procedures consisted of inquiries of management regarding the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We did not audit the RSI and do not express an opinion or provide any assurance on the RSI.

We were engaged to report on the Combining and Individual Nonmajor Fund Financial Statements and Budgetary Comparison Schedules, which accompany the financial statements but are not RSI. With respect to this supplementary information, we made certain inquiries of management and evaluated the form, content, and methods of preparing the information to determine that the information complies with accounting principles generally accepted in the United States of America, the method of preparing it has not changed from the prior period, and the information is appropriate and complete in relation to our audit of the financial statements. We compared and reconciled the supplementary information to the underlying accounting records used to prepare the financial statements or to the financial statements themselves.

We were not engaged to report on the Introductory and Statistical Sections, which accompany the financial statements but are not RSI. We did not audit or perform other procedures on this other information and we do not express an opinion or provide any assurance on it.

Restriction on Use

This information is intended solely for the use of the City Council and management of the City and is not intended to be, and should not be, used by anyone other than these specified parties.

Very truly yours,



Santa Ana, California

City of Redlands

Redlands, California

Independent Accountants' Report on Agreed-Upon Procedures Applied to Appropriations Limit Schedule

For the Year Ending June 30, 2023

THE PUN GROUP
ACCOUNTANTS & ADVISORS

THE PUN GROUP
ACCOUNTANTS & ADVISORS

200 E. Sandpointe Avenue, Suite 600
Santa Ana, California 92707

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INDEPENDENT ACCOUNTANTS' REPORT ON APPLYING AGREED-UPON PROCEDURES

To the Honorable Mayor and Members of City Council
of the City of Redlands
Redlands, California

We have performed the procedures enumerated below on the accompanying Appropriations Limit Schedule of the City of Redlands, California (the "City") for the year ending June 30, 2023. The management at the City is responsible for the Appropriations Limit Schedule.

The City has agreed to and acknowledged that the procedures performed are appropriate to meet the intended purpose of meeting the requirements set forth in Section 1.5 of Article XIII-B of the California Constitution. The procedures, which were suggested by the League of California Cities and presented in the publication entitled *Agreed-upon Procedures Applied to the Appropriations Limitation Prescribed by Article XIII-B of the California Constitution* were performed solely to assist you in meeting the requirements. This report may not be suitable for any other purpose. The procedures performed may not address all the items of interest to a user of this report and may not meet the needs of all users of this report and, as such, users are responsible for determining whether the procedures performed are appropriate for their purposes.

The procedures and the associated findings are as follows:

1. We obtained the completed worksheets used by the City to calculate its appropriations limit for the year ending June 30, 2023, and compared the limit and annual calculation factors that were adopted by resolution of City Council. We also compared the population and inflation options that were selected by a recorded vote of the City Council.

   Finding: No exceptions were noted as a result of our procedures.

2. For the accompanying Appropriations Limit Schedule, we added the prior year's limit to the total adjustments, and compared the resulting amount to the current year's limit.

   Finding: We noted the prior year's limit used by the City was the corrected amount of $141,113,178, instead of the limit adopted in the prior year which used the incorrect population factor in the calculation.

3. We compared the current year information presented in the accompanying Appropriations Limit Schedule to corresponding information in worksheets used by the City.

   Finding: No exceptions were noted as a result of our procedures.

4. We compared the appropriations limit presented in the accompanying Appropriations Limit Schedule to the appropriations limit adopted by the City Council.

   Finding: No exceptions were noted as a result of our procedures.

We were engaged by the City to perform this agreed-upon procedures engagement and conducted our engagement in accordance with attestation standards established by the American Institute of Certified Public Accountants. We were not engaged to and did not conduct an examination or review engagement, the objective of which would be the expression of an opinion or conclusion, respective on the accompanying Appropriation Limit Schedule. Accordingly, we do not express such an opinion or conclusion. Had we performed additional procedures, other matters have come to our attention that would have been reported to you.

We are required to be independent of the City and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements related to our agreed-upon procedures engagement.

This report is intended solely for the information and use of the City Council and management of the City and is not intended to be and should not be, used by anyone other than these specified parties. However, this report is a matter

The Pun Group, LLP

Santa Ana, California
February 13, 2023

City of Redlands
Appropriations Limit Schedule
For the Year Ending June 30, 2023

	Amount	Source
A. Appropriations Limit FY 2021-2022	$ 141,113,178	Prior year
B. Calculation Factors:		
1) Population increase %	1.0014	State Department of Finance
2) Inflation increase %	1.0755	State Department of Finance
3) Total adjustment %	1.0770	(B1*B2)
C. Annual Adjustment Increase	10,866,519	[A*(B3-1)]
D. Other Adjustments:		
1) Loss responsibility (-)	-	N/A
2) Transfer to private (-)	-	N/A
3) Transfer to fees (-)	-	N/A
4) Assumed responsibility (+)	-	N/A
E. Total Adjustments	10,866,519	(C+D)
F. Appropriations Limit FY 2022-2023	$ 151,979,697	(A+E)

See accompanying Notes to Appropriations Limit Schedule.

City of Redlands
Notes to Appropriations Limit Schedule
For the Year Ending June 30, 2023

Note 1 – Purpose of Limited Procedures Review

Under Article XIIIB of the California Constitution (the Gann Spending Limitation Initiative), California governmental agencies are restricted as to the amount of annual appropriations from proceeds of taxes. Effective for years beginning on or after July 1, 1990, under Section 1.5 of Article XIIIB, the annual calculation of the appropriations limit is subject to a limited procedures review in connection with the annual audit.

Note 2 – Method of Calculation

Under Section 10.5 of Article XIIIB, for fiscal years beginning on or after July 1, 1990, the appropriations limit is required to be calculated based on the limit for the fiscal year 1986-87, adjusted for the inflation and population factors discussed in Notes 3 and 4 below.

Note 3 – Population Factors

A California governmental agency may use as its population factor either the annual percentage change of the jurisdiction's own population or the annual percentage change in population of the county where the jurisdiction is located. The factor adopted by the City for the year 2022-2023 represents the annual percentage change in population for the County.

Note 4 – Inflation Factors

A California governmental agency may use as its inflation factor either the annual percentage change in the 4th quarter per capita personal income (which percentage is supplied by the State Department of Finance) or the percentage change in the local assessment roll from the preceding year due to the change of local nonresidential construction. The factor adopted by the City for the year 2022-2023 represents the percentage change in California per capita personal income.

Note 5 – Other Adjustments

A California government agency may be required to adjust its appropriations limit when certain events occur, such as the transfer of responsibility for municipal services to, or from, another government agency or private entity. The City had no such adjustments for the year 2022-2023.

City Council Meeting **I. 2.**

DATE: 02/20/2024

TO: Honorable Mayor and City Council Members

SUBJECT: Annual Report of the Human Relations Commission by Commission Chair Ken Ford (Human Resources/Risk Management Director Meteau)

DISCUSSION:

For this evening's City Council, Commission Chair Ken Ford will be presenting the Human Relations Commission's Annual Report.

SUBMITTED BY:
Beatris Ordaz

REVIEWED BY:
Charles M. Duggan, Jr., City Manager
Janice McConnell, Assistant City Manager

Attachments

HRC Annual Report

HUMAN RELATIONS COMMISSION REPORT TO COUNCIL

This year we saw some great things with the Human Relations Commission. The commission supported The Salvation Army's Annual Thanksgiving Dinner for homeless and low-income residents, affirmed the City of Redlands' support for National Coming Out Day, and held its first Annual Health and Wellness Fair. Members of the commission also assisted The Church of Jesus Christ of Latter-day Saints and the Family Service Association of Redlands in their Annual Food Drive.

However, there were some low points. One member was asked to resign from the commission due to lack of attendance. I have recommended to our City Staff Laison that two other members be asked to resign for the same reason. Commissioners should voluntarily resign when their personal situation prevents them from carrying out their commission responsibilities, but unfortunately that has not been the case recently.

With the new members we have and our new student member, we are off to great start for 2024. We will have our annual planning meeting on January 27, 2024, and look forward to sharing those ideas with the City Council. The commission has elected its new officers for 2024 and I'm very pleased with those commissioners who have stepped up to take on those challenges, including our student commissioner.

If the City Council has any questions or concerns, I'm always available.

Kenneth Ford, Chairperson, Human Relations Commission

City Council Meeting **I. 3.**

DATE: 02/20/2024

TO: Honorable Mayor and City Council Members

SUBJECT: Annual Report of the Traffic and Parking Commission by Commissioner Eric Shamp (Municipal Utilities and Engineering Director Harris)

DISCUSSION:

Chapter 2.48 of the Redlands Municipal Code establishes the Traffic and Parking Commission (TPC) appointment protocols, objectives, goals, and reporting requirements. Each year, a TPC Commissioner presents a report to the City Council summarizing the accomplishments of the previous year. Tonight, TPC Commissioner Eric Shamp will present this Annual Report.

SUBMITTED BY:

Johana Silva, Associate Engineer

City Council Meeting **I. 4.**

DATE: 02/20/2024

TO: Honorable Mayor and City Council Members

SUBJECT: Discussion and possible action relating to Cannabis Regulatory and Taxation Options (Development Services Director Desatnik)

RECOMMENDATION:

Review the report and hear the staff presentation, and provide direction to staff.

DISCUSSION:

On August 22, 2023, in a special meeting of the City Council, seven project/program priorities were identified. This report focuses on issues relating to allowing cannabis businesses to operate within the City of Redlands, which are currently prohibited by the City's municipal code, and imposing a tax on such sales as a means of generating revenue for the City. Allowing such businesses would necessitate an amendment to the City's municipal code and implementing a cannabis tax as a ballot measure that would require approval by the voters. This report includes a summary of federal and state law about cannabis, options for regulating cannabis businesses, fees and taxes that can be imposed, the experience of other cities that allow cannabis sales, and possible next steps.

Background and Current Federal and State Regulatory Framework

In 1970, the U.S. Congress enacted the Controlled Substances Act, which makes it illegal under Federal law to import, manufacture, distribute, possess, or use cannabis. At present, federal law remains unchanged, although past and current administrations have differed on enforcement policies.

Despite federal law, California voters first approved the use of medical marijuana in 1996 under the Compassionate Use Act, which was amended numerous times by the California Legislature over the next 20 years. In January 2016, the state passed the Medical Marijuana Regulation & Safety Act (“MMRSA”) and, subsequently, voters approved Proposition 64 (the Adult Use of Marijuana Act, or “AUMA”) in November 2016. After the passage of the AUMA, the Legislature passed the Medicinal and Adult Use Cannabis and Safety Act (“MAUCRSA”), which integrated the MMRSA and AUMA into a single regulatory framework to govern the cannabis industry in California.

The State office that is responsible for regulating the cannabis industry in California is the Department of Cannabis Control or “DCC.” In recent years the DCC has adopted new regulations; the most important among these, with respect to the City, are:

- A requirement that the DCC notify the City of a state application for a cannabis business and to confirm that the City has already issued a local authorization. The City then has 10 calendar days to confirm or contest the validity of that authorization.
- A preemption of any local control and regulatory authority over cannabis delivery by authorizing cannabis delivery anywhere in the state regardless of conflicting local regulations or bans. A delivery employee may deliver to any jurisdiction in the State as long as the delivery complies with State regulations.

Local Cannabis Regulation and Decision Points

In 2016, the City Council adopted Ordinance No. 2827 amending Chapter 18.18 of the Redlands Municipal Code (RMC) to prohibit commercial non-medical (i.e., recreational) marijuana manufacturing, cultivation, dispensaries, delivery, and any other commercial cannabis activities within the city. On August 8, 2017, the City Council adopted another ordinance amending Chapter 18.18 of the RMC to include prohibiting the sale, commercial cultivation, and processing of recreational or medical cannabis in the City, further reaffirming the cannabis ban. Presently, according to RMC section 18.18.030, all commercial cannabis activity is entirely prohibited within the City, except for local deliveries which are expressly permitted by the State.

The State gives significant authority to local jurisdictions to regulate cannabis business within their jurisdiction. If the City Council chooses to move forward with permitting cannabis businesses in Redlands, below are some of the issues that the City should consider:

- Permitted Uses: The State offers various types of licenses for cannabis businesses including retail (storefront vs non-storefront), manufacturing, indoor/outdoor cultivation, distribution, testing laboratories, and microbusinesses. Retail businesses can be either storefront (i.e. dispensaries) or non-storefront (i.e. deliveries only) businesses. Typically, storefront businesses, in addition to their physical store, may also conduct deliveries from their location, whereas non-storefront businesses may only conduct deliveries and will not have a physical storefront location.
- Zoning Districts and Buffer Zones: The City may limit cannabis businesses to certain zones or districts. State law requires that cannabis businesses not be located within a 600-foot radius of a school, day care, or youth center. The City could add other sensitive areas such as residential zones, or create buffers from other retail locations. The City can also limit the number of permits issued in certain areas, for example, one retail business may only be allowed in the northern half of the City and one in the southern half.
- Application Process: Most cities that permit cannabis businesses establish a limit on the number of such businesses and a method of distributing the licenses. Licenses are usually distributed through either a competitive merit-based method or a lottery method. In a competitive process, all areas of the cannabis businesses' operations would be reviewed, including such things as neighborhood compatibility, adequacy of the security plan, and qualifications and

experience of the owners and operators. The reviews could be conducted by city staff, consultants, or the City Council. In contrast, a lottery system would allow any interested business that meets the minimum qualifications to apply. The City could then conduct a lottery to select businesses at random. Alternatively, some cities utilize a hybrid approach whereby a business submits an application and receives either a pass or a fail, based on certain criteria. The applicants who receive a pass will then be entered into a random lottery.

- Transferability: The City can exercise discretion about whether to allow a cannabis business to transfer to a new owner, operator, location, or investor/partner without going through the full application process.
- Hours of Operation: State law limits cannabis retail and delivery business operations to 6 a.m. to 10 p.m. The City can further limit these hours if desired.
- Security Measures: Cannabis business security measures are highly regulated by the DCC. These regulations include access control, video surveillance, alarm systems, and track and trace. The State does not, however, require security guards, although many cities do have this requirement.
- Size Restrictions: The City may establish a maximum size for cannabis retailers to ensure proportionality within the community. Cannabis retail businesses can adapt to the community and their designated retail space. Some retailers operate in small urban environments like those found in Pasadena and West Hollywood, while others in busy commercial corridors or areas with less competition may occupy larger buildings.
- Aesthetics and Advertising: The State has regulations on advertising and marketing to reduce exposure to those under 21 years old but allows cities to have additional regulations on the aesthetic and signage of cannabis businesses. The City may apply existing sign code standards, or develop separate requirements.

Experience of Other Jurisdictions

City staff have reached out to the following law enforcement agencies about issues associated with cannabis establishments: Canyon Lake, Cathedral City, Desert Hot Springs, Rialto, San Jacinto and Upland. Canyon Lake and Upland report no issues with their cannabis sales establishments; Cathedral City reported strong odors emanating from the businesses. Desert Hot Springs and San Jacinto reported a few day-to-day issues. All the jurisdictions that allow these businesses have code enforcement officers assigned to handle any issues that arise. Additionally, City of Riverside, which is currently in the process of moving forward with a ballot measure next month, recommended hiring an outside consultant to assist with the process due to the extensive administrative burden on staff. Staff also contacted the County of San Bernardino who reported that sales are often under reported since the businesses are dealing primarily in cash only; that regulating the cannabis businesses is labor-intensive for code enforcement units; and that they receive complaints regarding the strong smells emanating from cannabis businesses.

In addition, staff spoke with the California Department of Cannabis Control (DCC) Enforcement Division. Their local office includes the territories of San Bernardino, Riverside and Imperial counties. The DCC's compliance division employs non-sworn personnel who are responsible for supporting and enforcing regulatory compliance of licensed commercial cannabis activity to promote accountability and consumer and

public safety. They cover a similar-sized area (San Bernardino, Riverside, and San Diego counties) with roughly the same number of personnel. Here are some of the main issues the DCC encounters:

- Licensed operations can be inspected at any time by DCC compliance personnel, but the department's staffing situation only allows them to respond to complaints. They do not conduct proactive, unannounced compliance checks.
- The authority to conduct these inspections only applies to DCC personnel. Code enforcement officers and law enforcement agencies are frequently turned away at the door. Therefore, to gain access to these locations, law enforcement organizations have to obtain search warrants. The investigations to develop probable cause for these warrants are time-consuming and labor-intensive.
- When the DCC finds a violation, the business has ninety days to fix the problem, but most violations receive multiple warnings.
- The DCC is reluctant to assess penalties and rarely revokes licenses even for egregious violations.

Should an ordinance be approved, staff anticipates that at least one code enforcement officer will need to be added and assigned to related enforcement based on feedback received. The fully burdened cost of one officer is approximately $90,000 per year.

Fees and Taxation

The goal on the financial side of local cannabis regulation is to balance revenue-raising efforts against the feasible cost for cannabis dispensary operators such that they are able and willing to participate in the legal market and are not driven out of business or back into the illegal market. There are two factors in play in this regard: fees for cost recovery (i.e., business licensing and permitting fees), and taxes for revenue generation (i.e., sales and use tax atop the state-imposed sales tax, or cannabis cultivation/excise tax).

Cost recovery fees would need to be developed to recoup the reasonable regulatory costs expended by the City in administering a cannabis program. This would include review and processing of permit applications (including noticing, investigation time, and hearings), inspection of the premises, products, equipment, and personnel that will be part of the licensed business, costs associated with tracing and tracking cannabis products and auditing transactional records, and the reasonably anticipated cost of enforcing the City's regulations. As with all other City regulatory fees, a fee study should be completed to account for items tied directly to staff time, calculating the associated City "costs reasonably born."

In addition to regulatory fees, the City can impose taxes associated with cannabis operations; these taxes are intended to raise revenue for the City and must be voter-approved. A chart listing current state-imposed fees is provided below:

Type of Tax	Type of Cannabis Taxed	Rate of Taxation
State retail excise tax	Both medicinal and non-medicinal	15% of gross receipts
State sales and use tax	Non-medicinal only	7.25% on tangible retail goods

The City can set its own sales tax on cannabis if the total sales tax does not exceed 11% and an additional tax on gross receipts (i.e. retail excise tax).

Revenues from cannabis taxes vary widely depending on the type of allowable cannabis business. Similar jurisdictions have estimated revenues to be in the ballpark of $300,000 annually per retail store; this is above the cost recovery revenue described above.

Next Steps

If the City Council desires to pursue a potential change in the City ordinance for consideration of moving towards legalization, taxing and regulating any cannabis operations, staff recommends that the City hire an outside consultant to develop a comprehensive report to include several sample cannabis business tax ordinances, fee and tax structure, as well as a full regulatory structure recommendation for cannabis businesses. In addition, the estimated cost for special contractual services to prepare the draft ordinance and ballot measures is $30,000 to $50,000.

A sales tax would have to be put on the ballot. August 9 is the deadline to submit a measure for the November election, which would be preferable as the cost is much cheaper if put on a regularly scheduled election date. The estimated cost to place a measure on the November ballot is approximately $150,000.

SUBMITTED BY:
Brian Desatnik, Development Services Director

RECOMMENDED BY:
Charles M. Duggan Jr., City Manager

REVIEWED BY:
Yvette M. Abich Garcia, City Attorney
Christopher Boatman, Assistant City Manager
Janice McConnell, Assistant City Manager
Danielle Garcia, Management Services/Finance Director

PREPARED BY:
Tricia Munoz, Development Services Management Analyst

Fiscal Impact

Discussion:

Initial costs to initiate the process of allowing cannabis businesses in the City will include consultant fees as well as the cost to place a ballot measure on the ballot for a cannabis related tax.

City Council Meeting **J. 1.**

DATE: 02/20/2024

TO: Honorable Mayor and City Council Members

SUBJECT: Public Hearing to consider Resolution Nos. 8548 and 8549, and determine that adoption of Resolution Nos. 8548 and 8549 are not subject to environmental review pursuant to Section 15061 (b)(3) of the California Environmental Quality Act.
(Mayor to declare the meeting open as a public hearing)

a. Resolution No. 8548 - Calling a special election on the question of levying special taxes within the territory to be annexed to Community Facilities District No. 2004-1; and

b. Resolution No. 8549 - Declaring results of the special election of Annexation No. 29 to Community Facilities District No. 2004-1

(Development Services Department Director Desatnik)

PROCEDURE FOR PUBLIC HEARING:

1. Mayor opens public hearing.
2. Mayor asks City Clerk if notice of the hearing has been published and mailed as required by law.
3. Mayor calls for report from the development services department with regard to the annual levy of special taxes within the annexing territory to pay costs of the maintenance of parks, infiltration basins, catch basin inlets, fossil filters, landscaping, and street trees within letter lot “A” and street right-of-way adjacent to Tract Map No 20336, and any other public services authorized by the act.
4. Mayor asks if anyone wishes to file a protest or speak regarding the proposed annexation.
5. Mayor asks if City Clerk agrees to hold the special election within the annexing territory on February 20, 2024.
6. Mayor closes public hearing.
7. The City Council may adopt the following resolution: resolution of the City Council of the City of Redlands calling special election and submitting to the qualified electors of territory proposed to be annexed to community

facilities district No. 2004-1 of the City of Redlands the question of levying special taxes within that territory (Annexation No. 29).
8. City Clerk conducts special election and announces results of canvass of votes cast.
9. The City Council may adopt the following resolution: resolution of the City Council of the City of Redlands declaring the results of the special election for community facilities district No. 2004-1 of the City of Redlands on the proposition of the annual levy of special taxes within the territory proposed to be annexed to said community facilities district to pay the costs of certain services to be provided by the community facilities district, determining that the territory proposed to be annexed is added to and part of said community facilities district with full legal effect, and ordering the recording of a map of the boundaries of said community facilities district including the territory annexed thereto (Annexation No. 29).

MOTION(S):

If the City Council determines that staff's recommendation is appropriate, the following motions are provided:

1. I move that adoption of Resolution Nos. 8548 and 8549 are not subject to environmental review pursuant to Section 15061 (b)(3) of the California Environmental Quality Act, as the adoption of these Resolutions does not have the potential to cause a significant effect on the environment.

2. I move City Council approve Resolution No. 8548.

   Mayor to request City Clerk to conduct Special Election and announce results of canvass of votes cast; and

3. I move City Council approve Resolution No. 8549.

RECOMMENDATION:

Staff recommends the Mayor conduct the annexation proceeding in accordance with the above "Mayor's Agenda" and City Council adopt Resolution Nos. 8548 and 8549.

DISCUSSION:

On January 16, 2024, City Council approved Resolution No. 8541 to commence with the annexation proceedings for Meritage Homes of California, a California corporation, Tract Map No. 20336, to Community Facilities District No. 2004-1 (CFD) for the purposes of performing maintenance of parks, infiltration basins, catch basin inlets, fossil filters, landscaping, and street trees within letter lot “A”

and street right-of-way adjacent to Tract Map No 20336, and any other public services authorized by the act. Additionally, at that meeting, a public hearing was set for February 20, 2024, regarding the annexation of approximately 58.07 acres of land located on the north side of Domestic Avenue and east of I-210. At the conclusion of the public hearing, City Council will consider adopting Resolution No. 8548 scheduling a special election within the territory to be annexed. Resolution No. 8548 schedules the special election for February 20, 2024, immediately following the public hearing.

Meritage Homes of California, requested the annexation of its property into the CFD and delivered to the City Clerk a written waiver consenting to the special election being conducted by the City Clerk on February 20, 2024. The City Clerk consented to conduct the special election on that date.

Immediately following the adoption of Resolution No. 8548, the property owners will deliver voted ballots to the City Clerk. The City Clerk will then canvass the voted ballot(s) and report the results of the election to the Council. The Council will then consider the adoption of Resolution No. 8549, declaring the results of the election which will complete the annexation of the property to the Community Facilities District.

The adoption of Resolution Nos. 8548 and 8549 are not subject to environmental review pursuant to Section 15061 (b)(3) of the California Environmental Quality Act, as the adoption of these Resolutions does not have the potential to cause a significant effect on the environment.

CFD 2004-1 has had multiple annexations in the past 20 years which are listed in Attachment "M".

ALTERNATIVES:

The Council may choose to deny the request to annex property into CFD No. 2004-1; however, another funding source for the maintenance of parks, infiltration basins, catch basin inlets, fossil filters, landscaping, and street trees will need to be identified.

STRATEGIC PLAN:

N/A

SUBMITTED BY:
Brian Desatnik, Development Services Department Director

RECOMMENDED BY:
Charles M. Duggan, Jr., City Manager

REVIEWED BY:
Yvette M. Abich Garcia, City Attorney
Janice McConnell, Assistant City Manager
Christopher Boatman, Assistant City Manager

PREPARED BY:
Donald P. Young, One Stop Permit Center Manager

Fiscal Impact

Budgeted Y/N: NA

Discussion:

There is no fiscal impact to the City as all costs for this annexation are borne by the property owner.

Appropriation Required Y/N: No

Discussion:

There is no fiscal impact to the City as all costs for this annexation are borne by the property owner.

Attachments

Attachment A - Resolution No. 8541-Resolution of Intent
Attachment B-Ballot
Attachment C-Official Ballot
Attachment D-Aerial
Attachment E-Resolution 8548 Calling Election
Attachment F-Resolution 8549 Declare Results of Election
Attachment G-Notice of Hearing
Attachment H-Boundary Map
Attachment I- Affidavit Proof of Publication
Attachment J-Waiver Meritage Homes
Attachment K-Voter Certification from County of San Bernardino
Attachment L-Annexation List

RESOLUTION NO. 8541

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDLANDS DECLARING INTENTION TO ANNEX TERRITORY TO COMMUNITY FACILITIES DISTRICT NO. 2004-1 OF THE CITY OF REDLANDS AND ADOPTING A MAP OF THE AREA PROPOSED TO BE ANNEXED THERETO (ANNEXATION NO. 29)

WHEREAS, the City Council (the "City Council") of the City of Redlands (the "City") has established Community Facilities District No. 2004-1 of the City of Redlands, County of San Bernardino, State of California (the "Community Facilities District") for the purpose of levying special taxes on parcels of taxable property therein for the purpose of providing certain services which are necessary to meet increased demands placed upon the City as a result of the development of said real property; and

WHEREAS, it is necessary that certain parcels of property be annexed to the Community Facilities District in order that they may be developed and receive the benefit of services which will be financed by the annual levy of special taxes on said property sufficient to pay the costs of such services and costs incidental thereto; and

WHEREAS, the current Rate and Method of Apportionment of Special Tax (the "Rate and Method") set forth in Exhibit B hereto, requires that Special Tax for all parcels increase annually in accordance with the Los Angeles-Riverside-Orange County Consumer Price Index (the "LRO Index"); and

WHEREAS, the LRO Index no longer exists and has been replaced by the Riverside-San Bernardino-Ontario Consumer Price Index (the "RSO Index"); and

WHEREAS, it is necessary for the Rate and Method to be modified to reference the RSO Index, as the LRO Index no longer exists; and

WHEREAS, the City Council is authorized by Article 3.5 (commencing with Section 53339) of Chapter 2.5 of Part 1 of Division 2 of Title 5 of the California Government Code, commonly known as the "Mello-Roos Community Facilities Act of 1982," to annex territory to the Community Facilities District by complying with the procedures set forth in said Article 3.5;

NOW, THEREFORE, BE IT RESOLVED, DETERMINED AND ORDERED BY THE CITY COUNCIL OF THE CITY OF REDLANDS AS FOLLOWS:

Section 1. **Recitals**. The above recitals are true and correct and are hereby incorporated into this resolution.

Section 2. **Name of District**. The name of the existing Community Facilities District is "Community Facilities District No. 2004-1 of the City of Redlands, County of San Bernardino, State of California."

Section 3. **Amendment of Rate and Method.** The reference to the "Los Angeles-Riverside-Orange County" Consumer Price Index in Section C of the Rate and Method is hereby replaced with the "Riverside-San Bernardino-Ontario Consumer Price Index." No other portion of the Rate and Method shall be amended.

Section 4. **Intention**. The City Council declares its intention to conduct proceedings pursuant to said Article 3.5 for the annexation to the Community Facilities District of the territory described in Exhibit "A" attached hereto. The City Council determines that the public convenience and necessity require that such territory be annexed to the Community Facilities District.

Section 5. **Description of Territory Proposed To Be Annexed; Annexation Map**. The territory that is included in the Community Facilities District is described on the map of the Community Facilities District recorded on May 18, 2004 in Book 76 of Maps of Assessment and Community Facilities Districts, page 94, and as Instrument No 2004-0347327 in the official records of the County of San Bernardino. The territory proposed to be annexed to the Community Facilities District is described in Exhibit "A" attached hereto and by this reference made a part hereof. Such territory is also shown and described on the map thereof entitled "Annexation Map No. 29, Community Facilities District No. 2004-1 of the City of Redlands, County of San Bernardino, State of California," which is on file with the City Clerk (the "Annexation Map").

Section 6. **Types of Services; Incidental Expenses; Plan for Providing Services**. The services to be provided and financed by the Community Facilities District include the maintenance of parks, infiltration basins, catch basin inlets, fossil filters, landscaping, and street trees within letter lot "A" and street right-of-way adjacent to Tract Map No 20336, and any other public services authorized by the Act, in the area of the Property and the Community Facilities District. The Community Facilities District shall also finance costs associated with the determination of the amount of and the levy and collection of special taxes which are levied to provide such services and costs otherwise incurred in order to carry out its authorized purposes. The services described above shall be provided, as needed, throughout the Community Facilities District and the territory proposed to be annexed thereto for the benefit of all owners of property and residents of the Community Facilities District and the territory proposed to be annexed thereto. All owners of taxable parcels of property within the Community Facilities District and the territory proposed to be annexed thereto shall pay special taxes at the same rate to finance the annual cost of providing such services. The services to be provided and financed by the Community Facilities District, as previously described, are necessary to meet increased demands placed upon the City as a result of development occurring within the Community Facilities District and the territory proposed to be annexed thereto.

Section 7. **Special Taxes**. Except where funds are otherwise available, special taxes sufficient to pay the costs of the services described in Section 6 above and the annual administrative expenses of the City and the Community Facilities District in determining, apportioning, levying, and collecting such special taxes, shall be annually levied within the territory proposed to be annexed to the Community Facilities District. Pursuant to Section 53340 of the California Government Code, the special taxes shall be collected in the same manner as ordinary ad valorem property taxes are collected and shall be subject to the same penalties and the same procedure, sale, and lien priority in case of delinquency as is provided for ad valorem taxes.

The rates and method of apportionment of said special taxes shall be as set forth in Exhibit "B," attached hereto and by this reference made a part hereof. The property within the territory proposed to be annexed shall be assigned at the rate set forth for Special Tax Rate Category D as set forth in Exhibit "B" attached hereto and for Fiscal Year 2024-25, and each Fiscal Year thereafter, assessed at the rate set forth in Table 2 in Exhibit "B" attached hereto, subject to annual increases beginning in Fiscal Year 2025-26 by the greater of 2% or the percentage increase in the Consumer Price Index as determined pursuant to the method of apportioning such special taxes set forth in said Exhibit "B".

Section 8. **Adoption of Annexation Map**. Pursuant to Section 3110.5 of the Streets and Highways Code, the City Council adopts the Annexation Map as the map of the area proposed to be annexed to the Community Facilities District. Pursuant to Section 3111 of said Code, the City Clerk shall file the original of the Annexation Map in her office and shall file a copy of the Annexation Map with the County Recorder of the County of San Bernardino no later than 15 days prior to the date of the hearing specified in Section 9 hereof.

Section 9. **Hearing**. A public hearing on the proposed annexation of said territory to the Community Facilities District shall be held at 6:00 p.m., or as soon thereafter as the matter may be heard, on February 20, 2024 in the Council Chambers at the City of Redlands Civic Center, 35 Cajon Street, Redlands, California, or via teleconference as directed by the City due to COVID-19 social distancing guidelines.

Section 10. **Notice**. The City Clerk shall publish a notice of the time and place of said hearing as required by Section 53322 of the California Government Code, and shall also give notice of the hearing by first class mail to each registered voter and landowner within the territory proposed to be annexed to the Community Facilities District as prescribed by Section 53339.4 of said Code. Said notice shall be published at least seven (7) days and mailed at least fifteen (15) days before the date of the hearing and shall contain the information required by said Section 53339.4.

Section 11. **Description of Voting Procedures**. The voting procedures to be followed in conducting the election on the proposition with respect to the levy of special taxes within the territory proposed to be annexed to the Community Facilities District shall be as follows:

(a) If at the time of the close of the public or protest hearing (hereinafter referred to as the "protest hearing") at least 12 persons are registered to vote within the territory proposed to be annexed to the Community Facilities District, the election shall be conducted by the City Clerk, and shall be held on a date selected by the City Council in conformance with the provisions of Section 53326 of the California Government Code ("Section 53326") and pursuant to the applicable provisions of law regulating elections of the City, insofar as they may be applicable, and pursuant to Section 53326 the ballots for the election shall be distributed to the qualified electors of the territory proposed to be annexed to the Community Facilities District by mail with return postage prepaid and the election shall be conducted as a mail ballot election.

(b) If at the time of the close of the protest hearing, and for at least the preceding 90 days, less than 12 persons have been registered to vote within the territory proposed to

be annexed to the Community Facilities District, and pursuant to Section 53326, the vote is therefore to be by the landowners of that territory, with each landowner of record at the close of the protest hearing having one vote for each acre or portion of an acre of land that he or she owns, the election shall be conducted by the City Clerk as follows:

(1) The election shall be held on the earliest date following the conclusion of the protest hearing upon which it can be held pursuant to Section 53326 which may be selected by the City Council, or such earlier date as the owners of land within the territory proposed to be annexed to the Community Facilities District and the City Clerk agree and concur is acceptable.

(2) Pursuant to Section 53326, the election may be held earlier than 90 days following the close of the protest hearing if the qualified electors of the territory proposed to be annexed to the Community Facilities District waive the time limits for conducting the election set forth in Section 53326 by unanimous written consent and the City Clerk concurs in such earlier election date as shall be consented to by the qualified electors.

(3) Pursuant to Section 53326, ballots for the election shall be distributed to the qualified electors by the City Clerk by mail with return postage prepaid or by personal service.

(4) Pursuant to applicable provisions of law regulating elections of the City which govern the conduct of mail ballot elections, and Division 4 (commencing with Section 4000) of the California Elections Code with respect to elections conducted by mail, the City Clerk shall mail or deliver to each qualified elector an official ballot in a form specified by the City Council in the resolution calling the election, and shall also mail or deliver to all such qualified electors a ballot pamphlet and instructions to voter, including a sample ballot identical in form to the official ballot but identified as a sample ballot, a statement pursuant to Section 9401 of the said Code, an impartial analysis by the City Attorney pursuant to Section 9280 of the said Code with respect to the ballot proposition contained in the official ballot, ballot arguments and rebuttals, if any, pursuant to Sections 9281 to 9287, inclusive, of said Code, a return identification envelope with prepaid postage thereon addressed to the City Clerk for the return of voted official ballots, and a copy of this resolution; provided, however, that such statement, analysis and arguments may be waived with the unanimous consent of all the landowners of the territory proposed to be annexed to the Community Facilities District and shall be so stated in the resolution adopted by the City Council calling the election.

(5) The official ballot to be mailed or delivered by the City Clerk to each landowner-voter shall have printed or typed thereon the name of the landowner-voter and the number of votes to be voted by the landowner-voter, and shall have appended to it a certification to be signed by the person voting the official ballot which shall certify that the person signing the certification is the person who voted the official ballot, and if the landowner-voter is other than a natural person, that he or she is an officer of or other person affiliated with the landowner-voter

entitled to vote such official ballot, that he or she has been authorized to vote such official ballot on behalf of the landowner-voter, that in voting such official ballot it was his or her intent, as well as the intent of the landowner-voter, to vote all votes to which the landowner-voter is entitled based on its land ownership on the proposition set forth in the official ballot as marked thereon in the voting square opposite such proposition, and further certifying as to the acreage of the landowner-voter's land ownership within the territory proposed to be annexed to the Community Facilities District.

(6) The return identification envelope delivered by the City Clerk to each landowner-voter shall have printed or typed thereon the following: (i) the name of the landowner, (ii) the address of the landowner, (iii) a declaration under penalty of perjury stating that the voter is the landowner or the authorized representative of the landowner entitled to vote the enclosed ballot and is the person whose name appears on the identification envelope, (iv) the printed name and signature of the voter, (v) the address of the voter, (vi) the date of signing and place of execution of said declaration, and (vii) a notice that the envelope contains an official ballot and is to be opened only by the City Clerk.

(7) The information-to-voter form to be mailed or delivered by the City Clerk to the landowner-voters shall inform them that the official ballots shall be returned to the City Clerk properly voted as provided thereon and with the certification appended thereto properly completed and signed in the sealed return identification envelope with the certification thereon completed and signed and all other information to be inserted thereon properly inserted by 5:00 o'clock p.m. on the date of the election.

(8) Upon receipt of the return identification envelopes which are returned prior to the voting deadline on the date of the election, the City Clerk shall canvass the votes cast in the election, and shall file a statement with the City Council at its next regular meeting regarding the results of such canvass and the election.

The procedures set forth in this section for conducting the election may be modified as the City Council may determine to be necessary or desirable by a resolution subsequently adopted by the City Council.

ADOPTED, SIGNED AND APPROVED this 16th day of January, 2024.

Eddie Tejeda, Mayor

ATTEST:

Jeanne Donaldson, City Clerk

CERTIFICATE

I, Jeanne Donaldson, City Clerk of the City of Redlands, do hereby certify that the foregoing resolution was regularly adopted by the City Council of said City at a regular meeting of said City Council duly held on the 16th of January, 2024 by the following vote:

AYES: Councilmembers, Barich, Davis, Guzman-Lowery, Saucedo; Mayor Tejeda
NOES: None
ABSENT: None
ABSTAINED: None

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of the City of Redlands this 16th day of January, 2024.

Jeanne Donaldson, City Clerk

EXHIBIT "A"

LEGAL DESCRIPTION
FOR
ANNEXATION NO. 29 TO
COMMUNITY FACILITIES DISTRICT NO. 2004-1
CITY OF REDLANDS, COUNTY OF SAN BERNARDINO
STATE OF CALIFORNIA

The property located in the City of Redlands, County of San Bernardino, State of California identified by San Bernardino County Assessor's Parcel Nos.:

0167-031-02-0000
0167-031-03-0000
0167-031-04-0000
0167-031-05-0000
0167-031-06-0000
0167-031-07-0000
0167-031-16-0000

EXHIBIT "B"

RATE AND METHOD OF APPORTIONMENT OF SPECIAL TAX
COMMUNITY FACILITIES DISTRICT NO. 2004-1
OF THE CITY OF REDLANDS

A Special Tax (the "Special Tax") shall be levied on and collected from each Parcel of Taxable Property (defined below) in Community Facilities District No. 2004-1 (the "District"), in each Fiscal Year, (defined below), commencing in the Fiscal Year beginning July 1, 2004, in an amount determined by the City Council of the City of Redlands, acting in its capacity, as the legislative body of the District (hereinafter as the "Council"), by applying the rate and method of apportionment set forth below. All of the real property in the District, unless exempted by law or by the provisions herein, shall be taxed for the purposes, to the extent, and in the manner provided herein.

A. DEFINITIONS

"Additional Maintenance" means the maintenance of landscaping for Parcels assigned to a Special Tax Rate Category in addition to the Basic Maintenance, including, but not limited to, the maintenance of significant open space, citrus groves, and firebreaks and extensive medians and parkways.

"Additional Maintenance Rate Per Benefit Unit" means the Special Tax Rate per Benefit Unit that will be levied in any Fiscal Year on Parcels of Taxable Property assigned to a Special Tax Rate Category to pay the cost of Additional Maintenance, if any, for such Parcels, including, but not limited to, the City's administrative costs in levying and collecting the Special Tax and managing and administering the Additional Maintenance in such Fiscal Year.

"Basic Maintenance" means the normal maintenance of basic landscaping within the District, including, but not limited to, parkways, open space areas, medians, and street trees and the associated maintenance of bushes, shrubs and ground cover.

"Base Rate Per Benefit Unit" means the Special Tax Rate per Benefit Unit that will be levied in any Fiscal Year on all Parcels of Taxable Property in the District to pay the estimated cost of the Basic Maintenance, including, but not limited to, the City's administrative costs in levying and collecting the Special Tax and managing and administering the Basic Maintenance in such Fiscal Year.

"Benefit Unit" means a Single-family residential lot or dwelling unit or the equivalent. Commercial property is assigned Benefit Units based on acreage with the basis being four (4) Benefit Units per acre, consistent with the average residential density in the City. Industrial Property is assigned Benefit Units based on acreage with the basis being two (2) Benefit Units per acre. Multi-family property is assigned 60 percent of one Benefit Unit per dwelling unit and Religious Property is assigned two (2) Benefit Units per acre.

"City" means the City of Redlands.

"Council" has the meaning set forth in the preamble.

"Commercial Property" means any Parcel that is used for the purpose of selling, distributing, or furnishing a product or service.

"Development" means any approved development and/or improvement of property resulting in the recordation of a final map or the issuance of a building permit.

"District" has the meaning set forth in the preamble.

"Exempt Property" means property that is exempt from the levy of the Special Tax, including all publicly owned or dedicated property, sliver parcels, common lots, open space, and any other property that cannot be developed.

"Fiscal Year" means the period from and including July 1st of any year to and including the following June 30th.

"Industrial Property" means any Parcel that is used for the purpose of manufacturing a product.

"Land Use Category" means any of the categories contained in Table 1 to which Parcels of Taxable Property are assigned consistent with the land use approvals that have been received or proposed for the Parcel as of March 1 preceding the beginning of a Fiscal Year.

"Maximum Special Tax Rate(s)" means the Maximum Special Tax Rate(s) per Benefit Unit for Parcels in all Special Tax Rate Categories that can be levied by the Council in any Fiscal Year as determined pursuant to Section C. The Maximum Special Tax Rates per Benefit Unit for Parcels in all Special Tax Rate Categories, including the Base Rate Per Benefit Unit and the Additional Maintenance Rate Per Benefit Unit, as set forth in Table 2, shall be increased by the percentage increase in the Consumer Price Index (All Items) for Los Angeles – Riverside – Orange County (1982-84 = 100) since the beginning of the preceding Fiscal Year, or by two percent (2%), whichever is greater, on July 1, 2005 for Fiscal Year 2005-06 and on each subsequent July 1 for the Fiscal Year then commencing.

"Multi-family Residential Property" means any Parcel of residential property that consists of a building or buildings comprised of attached residential units available for rental, but not purchase, by the general public and under common ownership and/or management.

"Parcel" means a lot or Parcel of land that is identified by an Assessor's Parcel Number in the Tax Assessment Roll of the County Assessor of the County of San Bernardino.

"Religious Property" means any Parcel used as a place of worship or for other religious activities.

"Single-family Residential Property" means any Parcel of residential property that is or will be improved with a building comprised of attached or detached residential units available for purchase or rent by the general public.

"Special Tax(es)" means the Special Tax to be levied in each Fiscal Year on each Parcel of Taxable Property.

"Special Tax Rate Category" means any of the categories identified in Table 2 to which Parcels of Taxable Property in a Development are assigned based on the cost of the Basic Maintenance and the cost of the Additional Maintenance, if any, which will be provided to such Parcels.

"Taxable Property" means Parcels that are not Exempt Property.

B. ASSIGNMENT TO LAND USE CATEGORY

Parcels of Taxable Property in a Development shall be assigned to the appropriate Land Use Category contained in Table 1. Such Parcels shall also be assigned to the appropriate Special Tax Rate Category contained in Table 2, based on the estimated cost for providing the Additional Maintenance, if any, to the Development. The Special Tax shall be levied upon and collected from each such Parcel for each Fiscal Year based on the Benefit Units which are assigned to the Parcel as a result of its assignment to the appropriate Land Use Category and Special Tax Rate Category, as provided in Sections C and D.

TABLE 1
Land Use Category

Land Use Category	Description	Benefit Unit(s)
1	Single-family Residential	One (1) / Residence
2	Commercial	Five (5) / Acre
3	Industrial	Two (2) / Acre
4	Multi-family Residential	Six tenths (0.6) / Residential Unit
5	Religious Property	Two (2) / Acre

C. MAXIMUM SPECIAL TAX RATES

The Maximum Special Tax Rate per Benefit Unit for each Parcel for each Fiscal Year shall be the total of the Base Rate Per Benefit Unit plus the Additional Maintenance Rate Per Benefit Unit for the Special Tax Rate Category to which the Parcel is assigned. For Fiscal Year 2004-05 the Base Rate Per Benefit Unit and the Additional Maintenance Rate Per Benefit Unit for each Special Tax Category shall be the amounts set forth in Table 2 for such Special Tax Rate Category. The Base Rates Per Benefit Unit and the Additional Maintenance Rates Per Benefit Unit for all Parcels in all Special Tax Rate Categories shall be increased by the percentage increase in the Consumer Price Index (All Items) for Los Angeles – Riverside – Orange County (1982-84 = 100) since the beginning of the preceding Fiscal Year, or by two percent (2%), whichever is greater, on July 1, 2005 for Fiscal Year 2005-06 and on each subsequent July 1 for the Fiscal Year then commencing.

TABLE 2
Maximum Special Tax Rates

Special Tax Rate Category	Maximum Rates Per Benefit Unit	
	Base Rate	Additional Maintenance Rate
A	$250	$0
B	$250	$100
C	$250	$200
D	$250	$300
E	$250	$400
F	$250	$500
G	$250	$600
H	$250	$700
I	$250	$800
J	$250	$900
K	$250	$1,000
L	$250	$1,100
M	$250	$1,200
N	$250	$1,300
O	$250	$1,400
P	$250	$1,500
Q	$250	$1,600
R	$250	$1,700
S	$250	$1,800
T	$250	$1,900
U	$250	$2,000
V	$250	$2,100
W	$250	$2,200
X	$250	$2,300
Y	$250	$2,400
Z	$250	$2,500

The Parcels which are to be included in the District at the time of its formation and which are identified in Table 3 shall be assigned to the Land Use Category and the Special Tax Rate Category specified in Table 3.

TABLE 3
Assignment to Land Use Category
and Special Tax Rate Category

Tract No.	Land Use Category	Special Tax Rate Category
16408	One (1)	K

D. METHOD OF APPORTIONMENT AND LEVY OF ANNUAL SPECIAL TAX

For each Fiscal Year, commencing with Fiscal Year 2004-05, the Council shall (a) determine the cost of providing the Basic Maintenance in the District and the amount of the Base Rate Per Benefit Unit to be levied on Parcels of Taxable Property in the District to pay the cost of the Basic Maintenance; (b) determine the cost of providing the Additional Maintenance, if any, for each Special Tax Rate Category, as then applicable, and the amount of the Additional Maintenance Rate Per Benefit Unit, if any, to be levied on Parcels of Taxable Property in each Special Tax Rate Category to pay the cost the Additional Maintenance therefor; and (c) levy the Special Tax on all Parcels of Taxable Property in each Special Tax Rate Category, as then applicable. The amount of the Special Tax to be levied on any Parcel of Taxable Property in any Fiscal Year shall be determined by multiplying the Benefit Units for the Parcel, depending on the Land Use Category to which it is assigned, by the Base Rate Per Benefit Unit and the Additional Maintenance Rate Per Benefit Unit, if any, determined pursuant to clauses (a) and (b) above, for the Special Tax Rate Category to which the Parcel is assigned.

No Special Tax shall be levied on property which, at the time of adoption of the Resolution of Formation for the District, is Exempt Property.

E. FUTURE ANNEXATIONS

It is anticipated that additional properties will be annexed to the District from time to time. As each annexation is proposed, an analysis will be prepared to determine the types and area of landscaping to be maintained, *i.e.,* Basic Maintenance and/or Additional Maintenance, if any, and the estimated annual cost of providing the Additional Maintenance, if any, to the property. Based on this analysis, the property to be annexed will be assigned to the appropriate Special Tax Rate Category contained in Table 2.

COMMUNITY FACILITIES DISTRICT NO. 2004-1
OF THE CITY OF REDLANDS,
COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA
(ANNEXATION 29)

(Special Election With Respect to Annual
Levy of Special Taxes to Be Levied Within
Territory Proposed to Be Annexed to the
Community Facilities District)

February 20, 2024

Ballot Pamphlet
and
Instructions to Voter

Dear Voter:

The City Council of the City of Redlands has called a special election within territory proposed to be annexed to Community Facilities District No. 2004-1 of the City of Redlands, County of San Bernardino, State of California. This is an all-mailed ballot landowner election. The ballots are being mailed to the persons or entities listed on the County Assessor's latest equalized assessment roll as updated based on more current information available to the City of Redlands.

YOU WILL RECEIVE ONE BALLOT FOR EACH GROUP OF PARCELS LISTED UNDER AN IDENTICAL NAME AND ADDRESS. The ballots will be distributed based on the names and addresses designated on the assessment roll or obtained from such other information. Any parcels with a common name and address were combined for voting purposes. Each qualified voter has been issued one ballot which entitles that voter to vote his or her total acreage of land. Each ballot is allotted a specified number of votes depending on acreage. Each acre or portion thereof is worth one vote.

Please note that your ballot must be received by the City Clerk of the City of Redlands not later than 6:00 p.m., February 20, 2024. A POSTMARK DATE IS NOT ACCEPTABLE. You must use the enclosed envelope for mailing your ballot, or your ballot may be delivered in the envelope, to the office of the City Clerk of the City of Redlands, located at 35 Cajon Street, Redlands, California 92373.

Contained in this Ballot Pamphlet and Instructions to Voter are Instructions to Landowner Voter, a Sample Ballot, and a copy of Resolution No. 8541 of the City Council of the City of Redlands.

If you have any questions, please contact us at (909) 798-7531.

Very truly yours,

Jeanne Donaldson
City Clerk
City of Redlands

INSTRUCTIONS TO LANDOWNER VOTER

HOW TO VOTE YOUR BALLOT

Vote your official ballot by placing a cross (+ or X) in the voting square opposite your choice with a pen or pencil, and by completing, dating and signing the certificate attached thereto.

SPOILING YOUR BALLOT

If you tear your ballot or make an error in voting you may secure another by surrendering the ballot you spoiled, in person or by mail at the address below, or by executing an affidavit to the effect that you lost your ballot, and you will be given another ballot.

RETURNING YOUR BALLOT

Enclose your ballot in the Identification Envelope provided. Supply ALL information requested on the Identification Envelope.

LAST DAY TO RETURN TO CITY CLERK OF THE CITY OF REDLANDS

Your ballot must be returned to the City Clerk of the City of Redlands not later than 6:00 p.m. on February 20, 2024, for it to be counted. YOUR BALLOT CANNOT BE ACCEPTED BEYOND THIS DEADLINE.

Your ballot must be returned in the envelope provided for this purpose, or it may be delivered in the envelope to the City Clerk of the City of Redlands, located at 35 Cajon Street, Redlands, California 92373.

On January 16, 2024, the City Council (the "City Council") of the City of Redlands adopted Resolution No. 8541 ("Resolution No. 8541"), a resolution of intention pursuant to Section 53339 of the California Government Code, commencing proceedings for the proposed annexation of territory to Community Facilities District No. 2004-1 of the City of Redlands, County of San Bernardino, State of California.

On February 20, 2024, the City Council is scheduled hold a public hearing and to adopt a resolution calling special election of the qualified electors within the territory proposed to be annexed to Community Facilities District No. 2004-1 of the City of Redlands ("Resolution Calling Election").

If adopted, the Resolution Calling Election will authorize the holding of said election on Proposition A, to be held on February 20, 2024. Pursuant to the Resolution Calling Election, the proposition to be submitted to the voters is abbreviated as follows:

Shall Proposition A authorizing the annual levy of special taxes on taxable property in the territory proposed to be annexed (the "Property") to Community Facilities District No. 2004-1 of the City of Redlands, County of San Bernardino, State of California (the "Community Facilities District"), to pay the costs of the maintenance of parks, infiltration basins, catch basin inlets, fossil filters, landscaping, and street trees within letter lot "A" and street right-of-way adjacent to Tract Map No. 20336, and any other public services authorized by the Mello-Roos Community Facilities Act, in the area of the Property and the Community Facilities District, and to pay costs associated with the determination of the amount of and the levy and collection of the special taxes at the special tax rates provided for Special Tax Rate Category "D", as set forth in the following table:

TABLE 2
Maximum Special Tax Rates

Special Tax Rate Category	Maximum Rates Per Benefit Unit	
	Base Rate	Additional Maintenance Rate
A	$250	$0
B	$250	$100
C	$250	$200
D	$250	$300
E	$250	$400
F	$250	$500
G	$250	$600
H	$250	$700
I	$250	$800
J	$250	$900
K	$250	$1,000
L	$250	$1,100
M	$250	$1,200
N	$250	$1,300
O	$250	$1,400
P	$250	$1,500
Q	$250	$1,600
R	$250	$1,700
S	$250	$1,800
T	$250	$1,900
U	$250	$2,000
V	$250	$2,100
W	$250	$2,200
X	$250	$2,300
Y	$250	$2,400
Z	$250	$2,500

and for Fiscal Year 2024-25, and each Fiscal Year thereafter, subject to annual increases beginning in Fiscal Year 2025-26 by the greater of 2% or the percentage increase in the Consumer Price Index, as provided in the Rate and Method of Apportionment of Special Tax Community Facilities District No. 2004-1 of the City of Redlands, which is attached as Exhibit "B" to Resolution No. 8541 adopted by the City Council of the City of Redlands on January 16, 2024 be approved?

EXHIBIT "A"

FULL TEXT OF PROPOSITION

SPECIAL ELECTION AUTHORIZING THE ANNEXATION OF TERRITORY TO COMMUNITY FACILITIES DISTRICT NO. 2004-1 OF THE CITY OF REDLANDS, COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA

February 20, 2024

PROPOSITION A: Shall Proposition A authorizing the annual levy of special taxes on taxable property in the territory proposed to be annexed (the "Property") to Community Facilities District No. 2004-1 of the City of Redlands, County of San Bernardino, State of California (the "Community Facilities District"), to pay the costs of the maintenance of parks, infiltration basins, catch basin inlets, fossil filters, landscaping, and street trees within letter lot "A" and street right-of-way adjacent to Tract Map No. 20336, and any other public services authorized by the Mello-Roos Community Facilities Act, in the area of the Property and the Community Facilities District, and to pay costs associated with the determination of the amount of and the levy and collection of the special taxes at the special tax rates provided for Special Tax Rate Category "D", as set forth in the following table:

TABLE 2
Maximum Special Tax Rates

Special Tax Rate Category	Maximum Rates Per Benefit Unit	
	Base Rate	Additional Maintenance Rate
A	$250	$0
B	$250	$100
C	$250	$200
D	$250	$300
E	$250	$400
F	$250	$500
G	$250	$600
H	$250	$700
I	$250	$800
J	$250	$900
K	$250	$1,000
L	$250	$1,100
M	$250	$1,200
N	$250	$1,300
O	$250	$1,400
P	$250	$1,500
Q	$250	$1,600
R	$250	$1,700
S	$250	$1,800
T	$250	$1,900
U	$250	$2,000
V	$250	$2,100
W	$250	$2,200
X	$250	$2,300
Y	$250	$2,400
Z	$250	$2,500

and for Fiscal Year 2024-25, and each Fiscal Year thereafter, subject to annual increases beginning in Fiscal Year 2025-26 by the greater of 2% or the percentage increase in the Consumer Price Index, as provided in the Rate and Method of Apportionment of Special Tax Community Facilities District No. 2004-1 of the City of Redlands, which is attached as Exhibit "B" to Resolution No. 8541 adopted by the City Council of the City of Redlands on January 16, 2024 be approved?

BALLOT SUMMARY

By approval of this proposition by two-thirds of the votes cast hereupon within the territory proposed to be annexed to Community Facilities District No. 2004-1 (the "Community Facilities District"), the Community Facilities District shall be authorized as follows:

To annex territory to Community Facilities District No. 2004-1 of the City of Redlands as provided in Resolution No. 8541 ("Resolution No. 8541") of the City Council of the City of Redlands adopted on January 16, 2024. The property within the territory proposed to be annexed shall be assigned at the rate set forth for Special Tax Rate Category D as set forth in Table 2 in the Rate and Method of Apportionment of Special Tax. The Rate and Method of Apportionment of Special Tax is set forth in its entirety below:

A Special Tax (the "Special Tax") shall be levied on and collected from each Parcel of Taxable Property (defined below) in Community Facilities District No. 2004-1 (the "District"), in each Fiscal Year, (defined below), commencing in the Fiscal Year beginning July 1, 2004, in an amount determined by the City Council of the City of Redlands, acting in its capacity, as the legislative body of the District (hereinafter as the "Council"), by applying the rate and method of apportionment set forth below. All of the real property in the District, unless exempted by law or by the provisions herein, shall be taxed for the purposes, to the extent, and in the manner provided herein.

A. DEFINITIONS

"Additional Maintenance" means the maintenance of landscaping for Parcels assigned to a Special Tax Rate Category in addition to the Basic Maintenance, including, but not limited to, the maintenance of significant open space, citrus groves, and firebreaks and extensive medians and parkways.

"Additional Maintenance Rate Per Benefit Unit" means the Special Tax Rate per Benefit Unit that will be levied in any Fiscal Year on Parcels of Taxable Property assigned to a Special Tax Rate Category to pay the cost of Additional Maintenance, if any, for such Parcels, including, but not limited to, the City's administrative costs in levying and collecting the Special Tax and managing and administering the Additional Maintenance in such Fiscal Year.

"Basic Maintenance" means the normal maintenance of basic landscaping within the District, including, but not limited to, parkways, open space areas, medians and street trees and the associated maintenance of bushes, shrubs and ground cover.

"Base Rate Per Benefit Unit" means the Special Tax Rate per Benefit Unit that will be levied in any Fiscal Year on all Parcels of Taxable Property in the District to pay the estimated cost of the Basic Maintenance, including, but not limited to, the City's administrative costs in levying and collecting the Special Tax and managing and administering the Basic Maintenance in such Fiscal Year.

"Benefit Unit" means a Single-family residential lot or dwelling unit or the equivalent. Commercial property is assigned Benefit Units based on acreage with the basis being four (4) Benefit Units per acre, consistent with the average residential density in the City. Industrial Property is assigned Benefit Units based on acreage with the basis being two (2) Benefit Units per acre. Multi-family property is assigned 60 percent of one Benefit Unit per dwelling unit and Religious Property is assigned two (2) Benefit Units per acre.

"City" means the City of Redlands.

"Council" has the meaning set forth in the preamble.

"Commercial Property" means any Parcel that is used for the purpose of selling, distributing or furnishing a product or service.

"Development" means any approved development and/or improvement of property resulting in the recordation of a final map or the issuance of a building permit.

"District" has the meaning set forth in the preamble.

"Exempt Property" means property that is exempt from the levy of the Special Tax, including all publicly owned or dedicated property, sliver parcels, common lots, open space and any other property that cannot be developed.

"Fiscal Year" means the period from and including July 1st of any year to and including the following June 30th.

"Industrial Property" means any Parcel that is used for the purpose of manufacturing a product.

"Land Use Category" means any of the categories contained in Table 1 to which Parcels of Taxable Property are assigned consistent with the land use approvals that have been received or proposed for the Parcel as of March 1 preceding the beginning of a Fiscal Year.

"Maximum Special Tax Rate(s)" means the Maximum Special Tax Rate(s) per Benefit Unit for Parcels in all Special Tax Rate Categories that can be levied by the Council in any Fiscal Year as determined pursuant to Section C. The Maximum Special Tax Rates per Benefit Unit for Parcels in all Special Tax Rate Categories, including the Base Rate Per Benefit Unit and the Additional Maintenance Rate Per Benefit Unit, as set forth in Table 2, shall be increased by the percentage increase in the Consumer Price Index (All Items) for Los Angeles – Riverside – Orange County (1982-84 = 100) since the beginning of the preceding Fiscal Year, or by two percent (2%), whichever is greater, on July 1, 2005 for Fiscal Year 2005-06 and on each subsequent July 1 for the Fiscal Year then commencing.

"Multi-family Residential Property" means any Parcel of residential property that consists of a building or buildings comprised of attached residential units available for rental, but not purchase, by the general public and under common ownership and/or management.

"Parcel" means a lot or Parcel of land that is identified by an Assessor's Parcel Number in the Tax Assessment Roll of the County Assessor of the County of San Bernardino.

"Religious Property" means any Parcel used as a place of worship or for other religious activities.

"Single-family Residential Property" means any Parcel of residential property that is or will be improved with a building comprised of attached or detached residential units available for purchase or rent by the general public.

"Special Tax(es)" means the Special Tax to be levied in each Fiscal Year on each Parcel of Taxable Property.

"Special Tax Rate Category" means any of the categories identified in Table 2 to which Parcels of Taxable Property in a Development are assigned based on the cost of the Basic Maintenance and the cost of the Additional Maintenance, if any, which will be provided to such Parcels.

"Taxable Property" means Parcels that are not Exempt Property.

B. ASSIGNMENT TO LAND USE CATEGORY

Parcels of Taxable Property in a Development shall be assigned to the appropriate Land Use Category contained in Table 1. Such Parcels shall also be assigned to the appropriate Special Tax Rate Category contained in Table 2, based on the estimated cost for providing the Additional Maintenance, if any, to the Development. The Special Tax shall be levied upon and collected from each such Parcel for each Fiscal Year based on the Benefit Units which are assigned to the Parcel as a result of its assignment to the appropriate Land Use Category and Special Tax Rate Category, as provided in Sections C and D.

TABLE 1
Land Use Category

Land Use Category	Description	Benefit Unit(s)
1	Single-family Residential	One (1) / Residence
2	Commercial	Five (5) / Acre
3	Industrial	Two (2) / Acre
4	Multi-family Residential	Six tenths (0.6) / Residential Unit
5	Religious Property	Two (2) / Acre

C. MAXIMUM SPECIAL TAX RATES

The Maximum Special Tax Rate per Benefit Unit for each Parcel for each Fiscal Year shall be the total of the Base Rate Per Benefit Unit plus the Additional Maintenance Rate Per Benefit Unit for the Special Tax Rate Category to which the Parcel is assigned. For Fiscal Year 2004-05 the Base Rate Per Benefit Unit and the Additional Maintenance Rate Per Benefit Unit for each Special Tax Category shall be the amounts set forth in Table 2 for such Special Tax Rate Category. The Base Rates Per Benefit Unit and the Additional

Maintenance Rates Per Benefit Unit for all Parcels in all Special Tax Rate Categories shall be increased by the percentage increase in the Consumer Price Index (All Items) for Los Angeles – Riverside – Orange County (1982-84 = 100) since the beginning of the preceding Fiscal Year, or by two percent (2%), whichever is greater, on July 1, 2005 for Fiscal Year 2005-06 and on each subsequent July 1 for the Fiscal Year then commencing.

TABLE 2
Maximum Special Tax Rates

	Maximum Rates Per Benefit Unit	
Special Tax Rate Category	**Base Rate**	**Additional Maintenance Rate**
A	$250	$0
B	$250	$100
C	$250	$200
D	$250	$300
E	$250	$400
F	$250	$500
G	$250	$600
H	$250	$700
I	$250	$800
J	$250	$900
K	$250	$1,000
L	$250	$1,100
M	$250	$1,200
N	$250	$1,300
O	$250	$1,400
P	$250	$1,500
Q	$250	$1,600
R	$250	$1,700
S	$250	$1,800
T	$250	$1,900
U	$250	$2,000
V	$250	$2,100
W	$250	$2,200
X	$250	$2,300
Y	$250	$2,400
Z	$250	$2,500

The Parcels which are to be included in the District at the time of its formation and which are identified in Table 3 shall be assigned to the Land Use Category and the Special Tax Rate Category specified in Table 3.

TABLE 3
Assignment to Land Use Category
and Special Tax Rate Category

Tract No.	Land Use Category	Special Tax Rate Category
16408	One (1)	K

D. METHOD OF APPORTIONMENT AND LEVY OF ANNUAL SPECIAL TAX

For each Fiscal Year, commencing with Fiscal Year 2004-05, the Council shall (a) determine the cost of providing the Basic Maintenance in the District and the amount of the Base Rate Per Benefit Unit to be levied on Parcels of Taxable Property in the District to pay the cost of the Basic Maintenance; (b) determine the cost of providing the Additional Maintenance, if any, for each Special Tax Rate Category, as then applicable, and the amount of the Additional Maintenance Rate Per Benefit Unit, if any, to be levied on Parcels of Taxable Property in each Special Tax Rate Category to pay the cost the Additional Maintenance therefor; and (c) levy the Special Tax on all Parcels of Taxable Property in each Special Tax Rate Category, as then applicable. The amount of the Special Tax to be levied on any Parcel of Taxable Property in any Fiscal Year shall be determined by multiplying the Benefit Units for the Parcel, depending on the Land Use Category to which it is assigned, by the Base Rate Per Benefit Unit and the Additional Maintenance Rate Per Benefit Unit, if any, determined pursuant to clauses (a) and (b) above, for the Special Tax Rate Category to which the Parcel is assigned.

No Special Tax shall be levied on property which, at the time of adoption of the Resolution of Formation for the District, is Exempt Property.

E. FUTURE ANNEXATIONS

It is anticipated that additional properties will be annexed to the District from time to time. As each annexation is proposed, an analysis will be prepared to determine the types and area of landscaping to be maintained, *i.e.*, Basic Maintenance and/or Additional Maintenance, if any, and the estimated annual cost of providing the Additional Maintenance, if any, to the property. Based on this analysis, the property to be annexed will be assigned to the appropriate Special Tax Rate Category contained in Table 2.

RECEIVED
FEB 0 8 2024
Redlands City Clerk

EXHIBIT "A"

OFFICIAL BALLOT

SPECIAL ELECTION FOR
COMMUNITY FACILITIES DISTRICT NO. 2004-1
OF THE CITY OF REDLANDS
COUNTY OF SAN BERNARDINO
STATE OF CALIFORNIA
February 20, 2024

To vote, mark a cross (+ or X) in the voting square after the word "YES" or after the word "NO". All marks otherwise made are forbidden. All distinguishing marks are forbidden and make the ballot void.

If you wrongly mark, tear, or deface this ballot, return it to the City Clerk of the City of Redlands and obtain another.

PROPOSITION A: Shall Proposition A authorizing the annual levy of special taxes on taxable property in the territory proposed to be annexed (the "Property") to Community Facilities District No. 2004-1 of the City of Redlands, County of San Bernardino, State of California (the "Community Facilities District"), to pay the costs of the maintenance of parks, infiltration basins, catch basin inlets, fossil filters, landscaping and street trees within letter lot "A" and street right-of-way adjacent to Tract Map No. 20336, and any other public services authorized by the Mello-Roos Community Facilities Act, in the area of the Property and the Community Facilities District, and to pay costs associated with the determination of the amount of and the levy and collection of the special taxes at the special tax rates provided for Special Tax Rate Category "D", as set forth in the following table:

Meritage Homes of California, Inc.
58.07 acres – 59 votes

TABLE 2
Maximum Special Tax Rates

Special Tax Rate Category	Maximum Rates Per Benefit Unit Base Rate	Additional Maintenance Rate
A	$250	$0
B	$250	$100
C	$250	$200
D	$250	$300
E	$250	$400
F	$250	$500
G	$250	$600
H	$250	$700
I	$250	$800
J	$250	$900
K	$250	$1,000
L	$250	$1,100
M	$250	$1,200
N	$250	$1,300
O	$250	$1,400
P	$250	$1,500
Q	$250	$1,600
R	$250	$1,700
S	$250	$1,800
T	$250	$1,900
U	$250	$2,000
V	$250	$2,100
W	$250	$2,200
X	$250	$2,300
Y	$250	$2,400
Z	$250	$2,500

and for Fiscal Year 2024-25, and each Fiscal Year thereafter, subject to annual increases beginning in Fiscal Year 2025-26 by the greater of 2% or the percentage increase in the Consumer Price Index, as provided in the Rate and Method of Apportionment of Special Tax Community Facilities District No. 2004-1 of the City of Redlands, which is attached as Exhibit "B" to Resolution No. 8541 adopted by the City Council of the City of Redlands on January 16, 2024 be approved?

YES	X
NO	

Meritage Homes of California, Inc.
58.07 acres – 59 votes

CERTIFICATION

I certify that I am the authorized representative of Meritage Homes of California, Inc., a California corporation, the owner of property to be annexed and included within the boundaries of Community Facilities District No. 2004-1 of the City of Redlands, County of San Bernardino, State of California, (the "Owner") and that I am authorized to vote the Official Ballot to which this certification is attached. I further certify that in voting said ballot it was my intent, as well as the intent of the Owner, to vote all votes to which the Owner is entitled on Proposition A set forth in said ballot as marked in the voting square opposite such proposition. I further certify that the Owner is the owner of approximately 58.07 acres of land proposed to be included within said community facilities district, and that in voting said ballot I intended to vote each vote to which such acreage would entitle the Owner in the manner marked on said ballot.

I certify that this certification was executed on February 20, 2024, at Irvine, California.

Meritage Homes of California, Inc., a California corporation

By: Aaron Talarico
Its: Vice President Land

PLEASE TYPE OR PRINT ALL INFORMATION

I declare under penalty of perjury that I am (one of) the landowner(s) or the authorized representative of the landowner(s) entitled to vote the within contained mail ballot, and that I am the person whose name appears below.

Executed on 2/20/24, at Irvine, CA (State).

Name: Aaron Talarico

Address: 5 Peters Canyon Rd, Suite 310

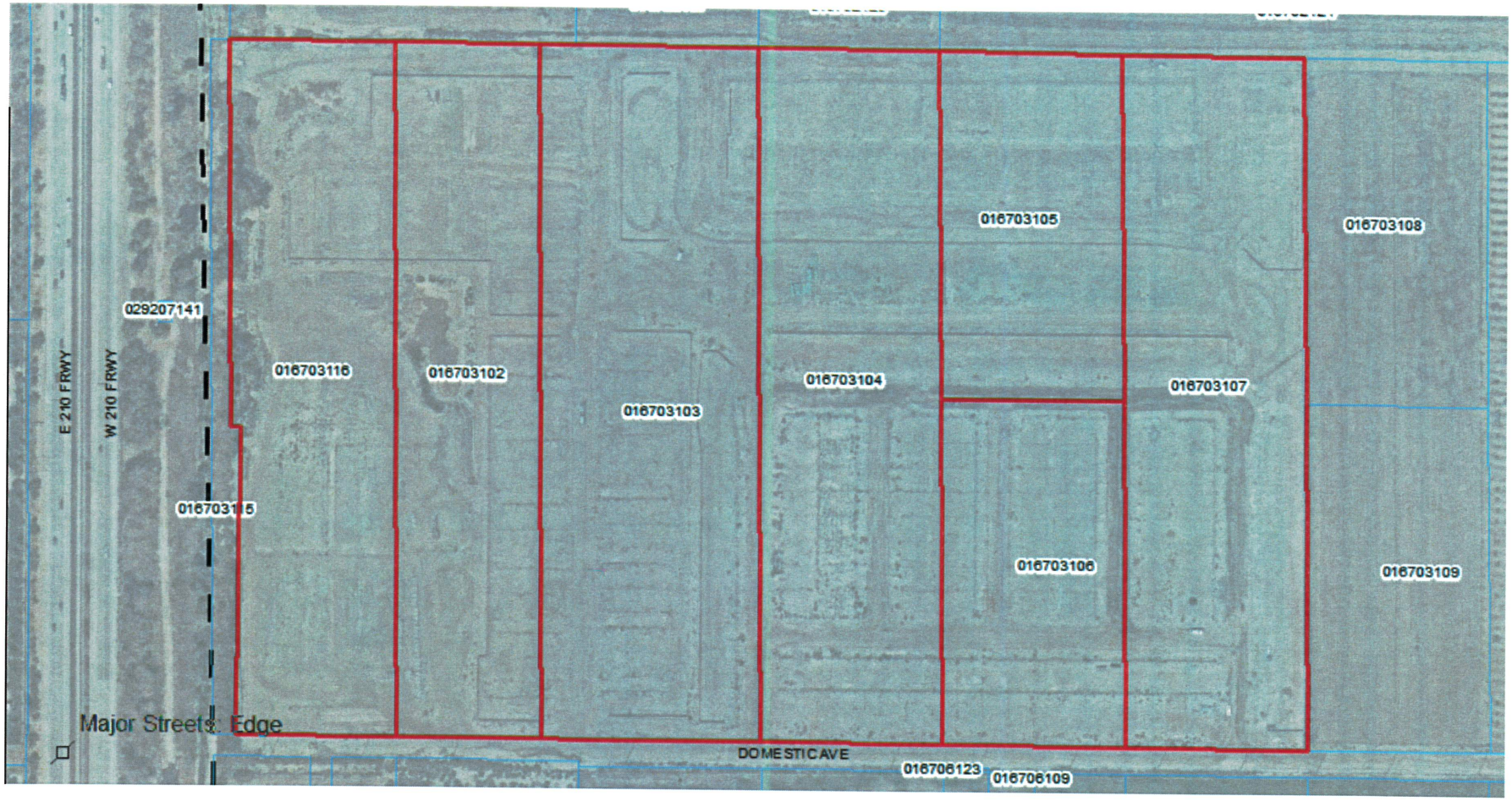
Irvine, CA 92606

(Signature)

RECEIVED

FEB 0 8 2024

Redlands City Clerk


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W 210 FRWY
029207141
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016703102
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Major Streets: Edge
DOMESTIC AVE
016706123
016706109

RESOLUTION NO. 8548

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDLANDS CALLING SPECIAL ELECTION AND SUBMITTING TO THE QUALIFIED ELECTORS OF TERRITORY PROPOSED TO BE ANNEXED TO COMMUNITY FACILITIES DISTRICT NO. 2004-1 OF THE CITY OF REDLANDS THE QUESTION OF LEVYING SPECIAL TAXES WITHIN THAT TERRITORY (ANNEXATION NO. 29)

WHEREAS, the City Council (the "City Council") of the City of Redlands (the "City") has heretofore conducted proceedings for the establishment of and has established Community Facilities District No. 2004-1 of the City of Redlands, County of San Bernardino, State of California (the "Community Facilities District"), and the Community Facilities District has been authorized to annually levy special taxes to pay the costs of certain services which are necessary to meet increased demands placed upon the City as a result of development; and

WHEREAS, the City Council is authorized by Article 3.5 (commencing with Section 53339) of Chapter 2.5 of Part 1 of Division 2 of Title 5 of the California Government Code, commonly known as the "Mello-Roos Community Facilities Act of 1982," to annex territory to the Community Facilities District; and

WHEREAS, on January 16, 2024, the City Council adopted Resolution No. 8541, a resolution of intention to annex territory to the Community Facilities District pursuant to Section 53339.2 of the California Government Code, determining that the public convenience and necessity require that certain property, consisting of approximately 58.07 acres, be annexed to the Community Facilities District and containing all of the matters prescribed by Section 53339.3 of said Code, and fixing 6:00 p.m., or as soon thereafter as the matter may be heard, on February 20, 2024, in the meeting room of the City Council, or via teleconference as directed by the City due to COVID-19 social distancing guidelines as the time and place for a hearing upon said resolution; and

WHEREAS, pursuant to said resolution, the City Clerk has published and mailed notice of the time and place of said hearing as required by Section 53339.4 of said Code; and

WHEREAS, on February 20, 2024, at the time and place of said hearing, the City Council afforded all interested persons for or against the annexation of said property to the Community Facilities District an opportunity to present testimony and to protest against the proposed annexation of said property to the Community Facilities District, and no protests, either oral or in writing, were received; and

WHEREAS, pursuant to Section 53339.7 of said Code, the City Council may now submit the question of levying a special tax within the territory proposed to be annexed to the Community Facilities District to the qualified electors within that territory;

NOW, THEREFORE, BE IT RESOLVED, DETERMINED AND ORDERED BY THE CITY COUNCIL OF THE CITY OF REDLANDS AS FOLLOWS:

Section 1. Findings. The City Council finds that: (i) the foregoing recitals are correct; (ii) less than 12 persons have been registered to vote within the territory proposed to be annexed to the Community Facilities District during the 90 days preceding the close of the public hearing held on February 20, 2024, and no persons are registered to vote therein; (iii) pursuant to Section 53326 of the California Government Code, as a result of the findings set forth in clause (ii) above, the vote in the special election called by this resolution shall be by the landowners of the territory proposed to be annexed to the Community Facilities District whose property would be subject to the special taxes if they were levied at the time of the election, and each landowner shall have one vote for each acre, or portion thereof, which he or she owns within said territory which would be subject to the proposed special taxes if they were levied at the time of the election; and (iv) pursuant to said Section 53326, the special election must be held at least 90 days, but not more than 180 days following the date of the adoption of this resolution, unless such time periods are waived with the unanimous waiver of the qualified electors. All of the qualified electors in the territory to be annexed waived the time limits, word limit requirement for the ballot, and election formalities of the special election.

Section 2. Special Election. A special election is called for and shall be held on Tuesday, February 20, 2024, for the purpose of submitting to the qualified electors of the territory proposed to be annexed to the Community Facilities District the question of whether special taxes shall annually be levied within said territory to pay the costs of park maintenance, infiltration basins, catch basin inlets, fossil filters, landscaping, and street trees within letter lot "A" and street right-of-way adjacent to Tract Map No. 20336, and any other public services authorized by the Act, in the area of the Property and the Community Facilities District, the costs associated with the determination of the amount of and levy and collection of special taxes which will be levied to provide the services, and costs otherwise incurred in order to carry out the authorized purposes of the Community Facilities District pursuant to the Rates and Method of Apportionment of the Special Taxes, attached as Exhibit "B" to Resolution No. 8541.

Section 3. Ballot Proposition. The proposition to be submitted on February 20, 2024, to the qualified electors of the territory proposed to be annexed to the Community Facilities District shall be as follows:

> PROPOSITION A: Shall Proposition A authorizing the annual levy of special taxes on taxable property in the territory proposed to be annexed (the "Property") to Community Facilities District No. 2004-1 of the City of Redlands, County of San Bernardino, State of California (the "Community Facilities District"), to pay the costs of the maintenance of parks, infiltration basins, catch basin inlets, fossil filters, landscaping, and street trees within letter lot "A" and street right-of-way adjacent to Tract Map No. 20336, and any other public services authorized by the Mello-Roos Community Facilities Act, in the area of the Property and the Community Facilities District, and to pay costs associated with the determination of the amount of and the levy and collection of the special taxes at the special tax rates provided for Special Tax Rate Category "D", as set forth in the following table

TABLE 2
Maximum Special Tax Rates

Special Tax Rate Category	Maximum Rates Per Benefit Unit	
	Base Rate	Additional Maintenance Rate
A	$250	$0
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M	$250	$1,200
N	$250	$1,300
O	$250	$1,400
P	$250	$1,500
Q	$250	$1,600
R	$250	$1,700
S	$250	$1,800
T	$250	$1,900
U	$250	$2,000
V	$250	$2,100
W	$250	$2,200
X	$250	$2,300
Y	$250	$2,400
Z	$250	$2,500

and for Fiscal Year 2024-25, and each Fiscal Year thereafter, subject to annual increases beginning in Fiscal Year 2025-26 by the greater of 2% or the percentage increase in the Consumer Price Index, as provided in the Rate and Method of Apportionment of Special Tax Community Facilities District No. 2004-1 of the City of Redlands, which is attached as Exhibit "B" to Resolution No. 8541 adopted by the City Council of the City of Redlands on January 16, 2024 be approved?

Section 4. Conduct of Election. Except as otherwise provided in Section 5 hereof, said election shall be conducted by the City Clerk (the "City Clerk") pursuant to the provisions of the California Elections Code governing elections of cities, and the provisions of Division 4 (commencing with Section 4000) of said Code, insofar as they may be applicable. The full text of

the ballot for said election shall be as set forth in Exhibit "A" and shall be included in the ballot pamphlet mailed to each qualified elector pursuant to Section 5 below.

Section 5. Election Procedures. The procedures to be followed in conducting said election shall be as follows:

(a) Pursuant to Section 53326 of the California Government Code, ballots for the election shall be distributed to the qualified electors by the City Clerk by mail with return postage prepaid.

(b) Pursuant to applicable sections of the California Constitution and the California Elections Code governing the conduct of mail ballot elections, including in particular Division 4 (commencing with Section 4000) of said Code, the City Clerk shall mail or deliver to each qualified elector an official ballot in the form attached hereto as Exhibit "A," and shall also mail or deliver to all such qualified electors a ballot pamphlet, instructions to voter, ballot title and summary, including a sample ballot identical in form to the official ballot but identified as a sample ballot, a return identification envelope with prepaid postage thereon addressed to the City Clerk for the return of voted official ballots, and a copy of Resolution No. 8541.

(c) The official ballot to be mailed by the City Clerk to each landowner-voter shall have printed or typed thereon the name of the landowner-voter and the number of votes to be voted by the landowner-voter and shall have appended to it a certification to be signed by the person voting the official ballot which shall certify that the person signing the certification is the person who voted the official ballot, and if the landowner-voter is other than a natural person, that he or she is an officer of or other person affiliated with the landowner-voter entitled to vote such official ballot, that he or she has been authorized to vote such official ballot on behalf of the landowner-voter, that in voting such official ballot it was his or her intent, as well as the intent of the landowner-voter, to vote all votes to which the landowner-voter is entitled based on its land ownership on the proposition set forth in the official ballot as marked thereon in the voting square opposite such proposition, and further certifying as to the acreage of the landowner-voter's land ownership within the Community Facilities District.

(d) The return identification envelope delivered by the City Clerk to each landowner-voter shall have printed or typed thereon the following: the name of the landowner, the address of the landowner, a declaration under penalty of perjury stating that the voter is the landowner or the authorized representative of the landowner entitled to vote the enclosed ballot and is the person whose name appears on the identification envelope, the printed name and signature of the voter, the address of the voter, the date of signing and place of execution of said declaration, and a notice that the envelope contains an official ballot and is to be opened only by the City Clerk.

(e) The information-to-voter form to be mailed by the City Clerk to the landowner-voters shall inform them that the official ballots shall be returned to the City Clerk properly voted as provided thereon and with the certification appended thereto properly completed and signed in the sealed return identification envelope with the certification thereon completed and

signed and all other information to be inserted thereon properly inserted by five (5) o'clock p.m. on the date of the election.

(f) Upon receipt of the return identification envelopes which are returned prior to the voting deadline on the date of the election, the City Clerk shall canvass the votes cast in the election, and shall file a statement with the City Council as to the results of such canvass and the election on the proposition set forth in the official ballot.

ADOPTED this 20th day of February, 2024.

_____
Eddie Tejeda, Mayor

ATTEST:

_____
Jeanne Donaldson, City Clerk

EXHIBIT "A"

OFFICIAL BALLOT

SPECIAL ELECTION FOR
COMMUNITY FACILITIES DISTRICT NO. 2004-1
OF THE CITY OF REDLANDS
COUNTY OF SAN BERNARDINO
STATE OF CALIFORNIA
February 20, 2024

To vote, mark a cross (+ or X) in the voting square after the word "YES" or after the word "NO". All marks otherwise made are forbidden. All distinguishing marks are forbidden and make the ballot void.

If you wrongly mark, tear, or deface this ballot, return it to the City Clerk of the City of Redlands and obtain another.

PROPOSITION A: Shall Proposition A authorizing the annual levy of special taxes on taxable property in the territory proposed to be annexed (the "Property") to Community Facilities District No. 2004-1 of the City of Redlands, County of San Bernardino, State of California (the "Community Facilities District"), to pay the costs of the maintenance of parks, infiltration basins, catch basin inlets, fossil filters, landscaping and street trees within letter lot "A" and street right-of-way adjacent to Tract Map No. 20336, and any other public services authorized by the Mello-Roos Community Facilities Act, in the area of the Property and the Community Facilities District, and to pay costs associated with the determination of the amount of and the levy and collection of the special taxes at the special tax rates provided for Special Tax Rate Category "D", as set forth in the following table:

TABLE 2
Maximum Special Tax Rates

Special Tax Rate Category	Maximum Rates Per Benefit Unit Base Rate	Additional Maintenance Rate
A	$250	$0
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C	$250	$200
D	$250	$300
E	$250	$400
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I	$250	$800
J	$250	$900
K	$250	$1,000
L	$250	$1,100
M	$250	$1,200
N	$250	$1,300
O	$250	$1,400
P	$250	$1,500
Q	$250	$1,600
R	$250	$1,700
S	$250	$1,800
T	$250	$1,900
U	$250	$2,000
V	$250	$2,100
W	$250	$2,200
X	$250	$2,300
Y	$250	$2,400
Z	$250	$2,500

and for Fiscal Year 2024-25, and each Fiscal Year thereafter, subject to annual increases beginning in Fiscal Year 2025-26 by the greater of 2% or the percentage increase in the Consumer Price Index, as provided in the Rate and Method of Apportionment of Special Tax Community Facilities District No. 2004-1 of the City of Redlands, which is attached as Exhibit "B" to Resolution No. 8541 adopted by the City Council of the City of Redlands on January 16, 2024 be approved?

YES	
NO	

EXHIBIT "B"

FULL TEXT OF PROPOSITION

SPECIAL ELECTION AUTHORIZING THE ANNEXATION OF TERRITORY TO COMMUNITY FACILITIES DISTRICT NO. 2004-1 OF THE CITY OF REDLANDS, COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA

February 20, 2024

PROPOSITION A: Shall Proposition A authorizing the annual levy of special taxes on taxable property in the territory proposed to be annexed (the "Property") to Community Facilities District No. 2004-1 of the City of Redlands, County of San Bernardino, State of California (the "Community Facilities District"), to pay the costs of the maintenance of parks, infiltration basins, catch basin inlets, fossil filters, landscaping, and street trees within letter lot "A" and street right-of-way adjacent to Tract Map No. 20336, and any other public services authorized by the Mello-Roos Community Facilities Act, in the area of the Property and the Community Facilities District, and to pay costs associated with the determination of the amount of and the levy and collection of the special taxes at the special tax rates provided for Special Tax Rate Category "D", as set forth in the following table:

TABLE 2
Maximum Special Tax Rates

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G	$250	$600
H	$250	$700
I	$250	$800
J	$250	$900
K	$250	$1,000
L	$250	$1,100
M	$250	$1,200
N	$250	$1,300
O	$250	$1,400
P	$250	$1,500
Q	$250	$1,600
R	$250	$1,700
S	$250	$1,800
T	$250	$1,900
U	$250	$2,000
V	$250	$2,100
W	$250	$2,200
X	$250	$2,300
Y	$250	$2,400
Z	$250	$2,500

and for Fiscal Year 2024-25, and each Fiscal Year thereafter, subject to annual increases beginning in Fiscal Year 2025-26 by the greater of 2% or the percentage increase in the Consumer Price Index, as provided in the Rate and Method of Apportionment of Special Tax Community Facilities District No. 2004-1 of the City of Redlands, which is attached as Exhibit "B" to Resolution No. 8541 adopted by the City Council of the City of Redlands on January 16, 2024 be approved?

BALLOT SUMMARY

By approval of this proposition by two-thirds of the votes cast hereupon within the territory proposed to be annexed to Community Facilities District No. 2004-1 (the "Community Facilities District"), the Community Facilities District shall be authorized as follows:

To annex territory to Community Facilities District No. 2004-1 of the City of Redlands as provided in Resolution No. 8541 ("Resolution No. 8541") of the City Council of the City of Redlands adopted on January 16, 2024. The property within the territory proposed to be annexed shall be assigned at the rate set forth for Special Tax Rate Category D as set forth in Table 2 in the Rate and Method of Apportionment of Special Tax. The Rate and Method of Apportionment of Special Tax is set forth in its entirety below:

A Special Tax (the "Special Tax") shall be levied on and collected from each Parcel of Taxable Property (defined below) in Community Facilities District No. 2004-1 (the "District"), in each Fiscal Year, (defined below), commencing in the Fiscal Year beginning July 1, 2004, in an amount determined by the City Council of the City of Redlands, acting in its capacity, as the legislative body of the District (hereinafter as the "Council"), by applying the rate and method of apportionment set forth below. All of the real property in the District, unless exempted by law or by the provisions herein, shall be taxed for the purposes, to the extent, and in the manner provided herein.

A. DEFINITIONS

"Additional Maintenance" means the maintenance of landscaping for Parcels assigned to a Special Tax Rate Category in addition to the Basic Maintenance, including, but not limited to, the maintenance of significant open space, citrus groves, and firebreaks and extensive medians and parkways.

"Additional Maintenance Rate Per Benefit Unit" means the Special Tax Rate per Benefit Unit that will be levied in any Fiscal Year on Parcels of Taxable Property assigned to a Special Tax Rate Category to pay the cost of Additional Maintenance, if any, for such Parcels, including, but not limited to, the City's administrative costs in levying and collecting the Special Tax and managing and administering the Additional Maintenance in such Fiscal Year.

"Basic Maintenance" means the normal maintenance of basic landscaping within the District, including, but not limited to, parkways, open space areas, medians and street trees and the associated maintenance of bushes, shrubs and ground cover.

"Base Rate Per Benefit Unit" means the Special Tax Rate per Benefit Unit that will be levied in any Fiscal Year on all Parcels of Taxable Property in the District to pay the estimated cost of the Basic Maintenance, including, but not limited to, the City's administrative costs in levying and collecting the Special Tax and managing and administering the Basic Maintenance in such Fiscal Year.

"Benefit Unit" means a Single-family residential lot or dwelling unit or the equivalent. Commercial property is assigned Benefit Units based on acreage with the basis being four (4) Benefit Units per acre, consistent with the average residential density in the City. Industrial Property is assigned Benefit Units based on acreage with the basis being two (2) Benefit Units per acre. Multi-family property is assigned 60 percent of one Benefit Unit per dwelling unit and Religious Property is assigned two (2) Benefit Units per acre.

"City" means the City of Redlands.

"Council" has the meaning set forth in the preamble.

"Commercial Property" means any Parcel that is used for the purpose of selling, distributing or furnishing a product or service.

"Development" means any approved development and/or improvement of property resulting in the recordation of a final map or the issuance of a building permit.

"District" has the meaning set forth in the preamble.

"Exempt Property" means property that is exempt from the levy of the Special Tax, including all publicly owned or dedicated property, sliver parcels, common lots, open space and any other property that cannot be developed.

"Fiscal Year" means the period from and including July 1st of any year to and including the following June 30th.

"Industrial Property" means any Parcel that is used for the purpose of manufacturing a product.

"Land Use Category" means any of the categories contained in Table 1 to which Parcels of Taxable Property are assigned consistent with the land use approvals that have been received or proposed for the Parcel as of March 1 preceding the beginning of a Fiscal Year.

"Maximum Special Tax Rate(s)" means the Maximum Special Tax Rate(s) per Benefit Unit for Parcels in all Special Tax Rate Categories that can be levied by the Council in any Fiscal Year as determined pursuant to Section C. The Maximum Special Tax Rates per Benefit Unit for Parcels in all Special Tax Rate Categories, including the Base Rate Per Benefit Unit and the Additional Maintenance Rate Per Benefit Unit, as set forth in Table 2, shall be increased by the percentage increase in the Consumer Price Index (All Items) for Los Angeles – Riverside – Orange County (1982-84 = 100) since the beginning of the preceding Fiscal Year, or by two percent (2%), whichever is greater, on July 1, 2005 for Fiscal Year 2005-06 and on each subsequent July 1 for the Fiscal Year then commencing.

"Multi-family Residential Property" means any Parcel of residential property that consists of a building or buildings comprised of attached residential units available for rental, but not purchase, by the general public and under common ownership and/or management.

"Parcel" means a lot or Parcel of land that is identified by an Assessor's Parcel Number in the Tax Assessment Roll of the County Assessor of the County of San Bernardino.

"Religious Property" means any Parcel used as a place of worship or for other religious activities.

"Single-family Residential Property" means any Parcel of residential property that is or will be improved with a building comprised of attached or detached residential units available for purchase or rent by the general public.

"Special Tax(es)" means the Special Tax to be levied in each Fiscal Year on each Parcel of Taxable Property.

"Special Tax Rate Category" means any of the categories identified in Table 2 to which Parcels of Taxable Property in a Development are assigned based on the cost of the Basic Maintenance and the cost of the Additional Maintenance, if any, which will be provided to such Parcels.

"Taxable Property" means Parcels that are not Exempt Property.

B. ASSIGNMENT TO LAND USE CATEGORY

Parcels of Taxable Property in a Development shall be assigned to the appropriate Land Use Category contained in Table 1. Such Parcels shall also be assigned to the appropriate Special Tax Rate Category contained in Table 2, based on the estimated cost for providing the Additional Maintenance, if any, to the Development. The Special Tax shall be levied upon and collected from each such Parcel for each Fiscal Year based on the Benefit Units which are assigned to the Parcel as a result of its assignment to the appropriate Land Use Category and Special Tax Rate Category, as provided in Sections C and D.

TABLE 1
Land Use Category

Land Use Category	Description	Benefit Unit(s)
1	Single-family Residential	One (1) / Residence

2	Commercial	Five (5) / Acre
3	Industrial	Two (2) / Acre
4	Multi-family Residential	Six tenths (0.6) / Residential Unit
5	Religious Property	Two (2) / Acre

C. MAXIMUM SPECIAL TAX RATES

The Maximum Special Tax Rate per Benefit Unit for each Parcel for each Fiscal Year shall be the total of the Base Rate Per Benefit Unit plus the Additional Maintenance Rate Per Benefit Unit for the Special Tax Rate Category to which the Parcel is assigned. For Fiscal Year 2004-05 the Base Rate Per Benefit Unit and the Additional Maintenance Rate Per Benefit Unit for each Special Tax Category shall be the amounts set forth in Table 2 for such Special Tax Rate Category. The Base Rates Per Benefit Unit and the Additional Maintenance Rates Per Benefit Unit for all Parcels in all Special Tax Rate Categories shall be increased by the percentage increase in the Consumer Price Index (All Items) for Los Angeles – Riverside – Orange County (1982-84 = 100) since the beginning of the preceding Fiscal Year, or by two percent (2%), whichever is greater, on July 1, 2005 for Fiscal Year 2005-06 and on each subsequent July 1 for the Fiscal Year then commencing.

TABLE 2
Maximum Special Tax Rates

Special Tax Rate Category	Maximum Rates Per Benefit Unit	
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P	$250	$1,500
Q	$250	$1,600
R	$250	$1,700
S	$250	$1,800
T	$250	$1,900
U	$250	$2,000
V	$250	$2,100
W	$250	$2,200
X	$250	$2,300
Y	$250	$2,400
Z	$250	$2,500

The Parcels which are to be included in the District at the time of its formation and which are identified in Table 3 shall be assigned to the Land Use Category and the Special Tax Rate Category specified in Table 3.

TABLE 3
Assignment to Land Use Category
and Special Tax Rate Category

Tract No.	Land Use Category	Special Tax Rate Category
16408	One (1)	K

D. METHOD OF APPORTIONMENT AND LEVY OF ANNUAL SPECIAL TAX

For each Fiscal Year, commencing with Fiscal Year 2004-05, the Council shall (a) determine the cost of providing the Basic Maintenance in the District and the amount of the Base Rate Per Benefit Unit to be levied on Parcels of Taxable Property in the District to pay the cost of the Basic Maintenance; (b) determine the cost of providing the Additional Maintenance, if any, for each Special Tax Rate Category, as then applicable, and the amount of the Additional Maintenance Rate Per Benefit Unit, if any, to be levied on Parcels of Taxable Property in each Special Tax Rate Category to pay the cost the Additional Maintenance therefor; and (c) levy the Special Tax on all Parcels of Taxable Property in each Special Tax Rate Category, as then applicable. The amount of the Special Tax to be levied on any Parcel of Taxable Property in any Fiscal Year shall be determined by multiplying the Benefit Units for the Parcel, depending on the Land Use Category to which it is assigned, by the Base Rate Per Benefit Unit and the Additional Maintenance Rate Per Benefit Unit, if any, determined pursuant to clauses (a) and (b) above, for the Special Tax Rate Category to which the Parcel is assigned.

No Special Tax shall be levied on property which, at the time of adoption of the Resolution of Formation for the District, is Exempt Property.

E. FUTURE ANNEXATIONS

It is anticipated that additional properties will be annexed to the District from time to time. As each annexation is proposed, an analysis will be prepared to determine the types and area of landscaping to be maintained, *i.e.,* Basic Maintenance and/or Additional Maintenance, if any, and the estimated annual cost of providing the Additional Maintenance, if any, to the property. Based on this analysis, the property to be annexed will be assigned to the appropriate Special Tax Rate Category contained in Table 2.

CERTIFICATION

I, Jeanne Donaldson, City Clerk of the City of Redlands, do hereby certify that the foregoing resolution was regularly adopted by the City Council of said City at a regular meeting of said Council duly held on the 20th day of February, 2024 by the following vote:

AYES:

NOES:

ABSENT:

ABSTAINED:

IN WITNESS WHEREOF, I have hereunto set my hand this _____ day of February, 2024.

_____
Jeanne Donaldson, City Clerk

RESOLUTION NO. 8549

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDLANDS DECLARING THE RESULTS OF THE SPECIAL ELECTION FOR COMMUNITY FACILITIES DISTRICT NO. 2004-1 OF THE CITY OF REDLANDS ON THE PROPOSITION OF THE ANNUAL LEVY OF SPECIAL TAXES WITHIN THE TERRITORY PROPOSED TO BE ANNEXED TO SAID COMMUNITY FACILITIES DISTRICT TO PAY THE COSTS OF CERTAIN SERVICES TO BE PROVIDED BY THE COMMUNITY FACILITIES DISTRICT, DETERMINING THAT THE TERRITORY PROPOSED TO BE ANNEXED IS ADDED TO AND PART OF SAID COMMUNITY FACILITIES DISTRICT WITH FULL LEGAL EFFECT, AND ORDERING THE RECORDING OF A MAP OF THE BOUNDARIES OF SAID COMMUNITY FACILITIES DISTRICT INCLUDING THE TERRITORY ANNEXED THERETO (ANNEXATION NO. 29)

WHEREAS, the City Council (the "City Council") of the City of Redlands (the "City") has heretofore conducted proceedings for the annexation of approximately 58.07 acres of land (the "Territory") to Community Facilities District No. 2004-1 of the City of Redlands, County of San Bernardino, State of California (the "Community Facilities District"), including conducting a public hearing pursuant to Section 53339.5 of the Government Code; and

WHEREAS, at the conclusion of said public hearing, the City Council adopted a resolution calling a special election for February 20, 2024 and submitting to the qualified electors of the territory to be annexed to the Community Facilities District the question of levying special taxes within that territory to pay the costs of the maintenance of parks, infiltration basins, catch basin inlets, fossil filters, landscaping, and street trees within letter lot "A" and street right-of-way adjacent to Tract Map No 20336, and any other public services authorized by the Act, in the area of the Territory and the Community Facilities District and the costs associated with the determination of the amount of and levy and collection of special taxes which will be levied to provide the services and costs otherwise incurred in order to carry out the authorized purposes of the Community Facilities District (the "Election Resolution"); and

WHEREAS, the City Council has received a statement from the City Clerk (the "City Clerk"), who pursuant to the Election Resolution was authorized to conduct such special election and act as the election official therefor, with respect to the canvass of the ballot returned in and the results of said special election, certifying that at least two-thirds of the votes cast upon the proposition submitted to the qualified electors in said special election were in favor of such proposition.

NOW, THEREFORE, BE IT RESOLVED, DETERMINED AND ORDERED BY THE CITY COUNCIL OF THE CITY OF REDLANDS AS FOLLOWS:

Section 1. Findings. The City Council finds that: (i) there are no registered voters residing within the Territory at the time of the close of the public hearing on February 20, 2024, and pursuant to Section 53326 of the Government Code, the vote in said special election was,

therefore, to be by the landowners owning land within the Territory, with each landowner having one vote for each acre or portion thereof of land that he or she owned within the Territory; (ii) pursuant to said Section 53326 and the Election Resolution, the City Clerk caused to be delivered an official ballot for the special election to the owner of the land within the Territory, with return postage prepaid; (iii) said special election has been properly conducted in accordance with all statutory requirements and the provisions of the Election Resolution; (iv) pursuant to said Section 53326, Meritage Homes of California, Inc., the owner of all the land within the Territory, was entitled to fifty-nine (59) votes; (v) said landowner returned its ballot to the City Clerk prior to the time set by the City Clerk for the close of the election on February 20, 2024; (vi) the ballot returned to the City Clerk by said landowner voted all votes of said landowner in favor of the proposition set forth therein; (vii) at least two-thirds of the votes cast in such special election on said proposition were in favor thereof, and pursuant to Sections 53328 and 53329 of the Government Code, said proposition carried; (viii) pursuant to Section 53339.8 of the Government Code, the City Council is authorized to determine that the Territory to be annexed has been added to and become a part of the Community Facilities District with full legal effect; and (ix) the City Council is also authorized, pursuant to said Section 53339.8, to annually levy special taxes within the Territory to pay the costs of the services to be provided by the Community Facilities District.

Section 2. Declaration of Results. At least two-thirds of the votes voted in the special election on the proposition of the annual levy of special taxes within the Territory to pay the costs of the services to be provided by the Community Facilities District were voted in favor thereof, and such proposition carried.

Section 3. Annexation. The Territory is annexed and added to and is a part of the Community Facilities District with full legal effect, and the City Council shall annually levy special taxes within the Territory at the rates specified in Resolution No. 8549 adopted by the City Council on January 16, 2024, to pay costs of certain services to be provided by the Community Facilities District. The boundaries of the Territory are shown on the map entitled, "Annexation Map No. 29, Community Facilities District No. 2004-1 of the City of Redlands, County of San Bernardino, State of California," which was recorded on _____, 2024, in the office of the County Recorder of the County of San Bernardino as Document No. 2024-_____.

Section 4. Pursuant to Section 53339.8 of the Government Code and Section 3117.5 of the Streets and Highways Code, the City Clerk shall cause to be filed with the County Recorder of the County of San Bernardino an amendment of the notice of special tax lien and a map of the amended boundaries of the Community Facilities District including the Territory.

ADOPTED this 20th day of February, 2024.

_____
Eddie Tejeda, Mayor

ATTEST:

_____
Jeanne Donaldson, City Clerk

CERTIFICATION

I, Jeanne Donaldson, City Clerk of the City of Redlands, do hereby certify that the foregoing resolution was regularly adopted by the City Council of said City at a regular meeting of said Council duly held on the 20th day of February, 2024 by the following vote:

AYES:

NOES:

ABSENT:

ABSTAINED:

IN WITNESS WHEREOF, I have hereunto set my hand this 20th day of February, 2024.

_____

Jeanne Donaldson, City Clerk

NOTICE OF HEARING ON RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDLANDS DECLARING INTENTION TO ANNEX TERRITORY TO COMMUNITY FACILITIES DISTRICT NO. 2004-1 OF THE CITY OF REDLANDS (ANNEXATION NO. 29)

NOTICE IS HEREBY GIVEN that on January 16, 2024, the City Council of the City of Redlands adopted Resolution No. 8541, declaring the intention of the City Council to annex territory to Community Facilities District No. 2004-1 of the City of Redlands, County of San Bernardino, State of California (the "Community Facilities District"), and fixing the time and place of a public hearing thereon for 6:00 p.m., or as soon thereafter as the matter may be heard, on February 20, 2024 in the Council Chambers at the City of Redlands Civic Center, 35 Cajon Street, Redlands, California, or via teleconference as directed by the City due to COVID-19 social distancing guidelines, at which time the City Council will hear the testimony of all interested persons for or against the annexation of said territory to the Community Facilities District or the levying of special taxes within such territory to pay the costs of providing certain services which are necessary to meet increased demands placed upon the City as a result of the development of said real property.

Resolution No. 8541 provides in summary as follows:

1. The City Council declared its intention to conduct proceedings for the annexation to the Community Facilities District of the territory described in Exhibit "A" to Resolution No. 8541. The City Council determined that the public convenience and necessity require that such territory be annexed to the Community Facilities District.

2. The territory which is included in the Community Facilities District is described on the map of the Community Facilities District recorded on May 18, 2004 in Book 76 of Maps of Assessment and Community Facilities Districts, page 94, and as Instrument No 2004-0347327 in the official records of the County of San Bernardino. The territory proposed to be annexed to the Community Facilities District is described on the map thereof entitled "Annexation Map No. 29, Community Facilities District No. 2004-1 of the City of Redlands, County of San Bernardino, State of California," which is on file with the City Clerk of the City of Redlands.

3. The types of public services to be provided within the Community Facilities District are as follows:

The services to be provided and financed by the Community Facilities District are the park maintenance, infiltration basins, catch basin inlets, fossil filters, landscaping, and street trees within letter lot "A" and street right-of-way adjacent to Tract Map No. 20336, and any other public services authorized by the Act, in the area of the Property and the Community Facilities District. The Community Facilities District shall also finance costs associated with the determination of the amount of and the levy and collection of special taxes which are levied to provide such services and costs otherwise incurred in order to carry out its authorized purposes. The services described above shall be provided, as needed, throughout the Community Facilities District and the territory proposed to be annexed thereto for the benefit of all owners of property and residents of the Community Facilities District and the territory proposed to be annexed thereto. All owners of taxable parcels of property within the Community Facilities District and the territory proposed to be annexed thereto shall pay special taxes to finance the annual cost of

providing such services. The services to be provided and financed by the Community Facilities District, are necessary to meet increased demands placed upon the City as a result of development occurring within the Community Facilities District and the territory to be annexed thereto.

4. Special taxes sufficient to pay the costs of the services described in Section 3 above and the annual administrative expenses of the City and the Community Facilities District in determining, apportioning, levying and collecting such special taxes, shall be annually levied within the territory proposed to be annexed to the Community Facilities District. The special taxes shall be collected in the same manner as ordinary ad valorem property taxes are collected and shall be subject to the same penalties and the same procedure, sale, and lien priority in case of delinquency as is provided for ad valorem taxes. The rates and method of apportionment of said special taxes shall be as set forth in Exhibit "B" to Resolution No. 8541. The property within the territory proposed to be annexed shall be assigned at the rate set forth for Special Tax Rate Category D as set forth in said Exhibit "B", and for Fiscal Year 2024-25, and each Fiscal Year thereafter, assessed at the rate set forth in Table 2 in said Exhibit "B", subject to annual increases beginning in Fiscal Year 2025-26 by the greater of 2% or the percentage increase in the Consumer Price Index as determined pursuant to the method of apportioning such special taxes set forth in said Exhibit "B".

The maximum amounts of special taxes which may be annually levied are as follows:

ASSIGNMENT TO LAND USE CATEGORY

Parcels of Taxable Property in a Development shall be assigned to the appropriate Land Use Category contained in Table 1. Such Parcels shall also be assigned to the appropriate Special Tax Rate Category contained in Table 2, based on the estimated cost for providing the Additional Maintenance, if any, to the Development. The Special Tax shall be levied upon and collected from each such Parcel for each Fiscal Year based on the Benefit Units which are assigned to the Parcel as a result of its assignment to the appropriate Land Use Category and Special Tax Rate Category, as provided in Sections C and D.

TABLE 1
Land Use Category

Land Use Category	Description	Benefit Unit(s)
1	Single-family Residential	One (1) / Residence
2	Commercial	Five (5) / Acre
3	Industrial	Two (2) / Acre
4	Multi-family Residential	Six tenths (0.6) / Residential Unit
5	Religious Property	Two (2) / Acre

MAXIMUM SPECIAL TAX RATES

The Maximum Special Tax Rate per Benefit Unit for each Parcel for each Fiscal Year shall be the total of the Base Rate Per Benefit Unit plus the Additional Maintenance Rate Per Benefit Unit for the Special Tax Rate Category to which the Parcel is assigned. For Fiscal Year 2004-05 the Base Rate Per Benefit Unit and the Additional Maintenance Rate Per Benefit Unit for each Special Tax Category shall be the amounts set forth in Table 2 for such Special Tax Rate Category. The Base Rates Per Benefit Unit and the Additional Maintenance Rates Per Benefit Unit for all Parcels in all Special Tax Rate Categories shall be increased by the percentage increase in the Consumer Price Index (All Items) for Los Angeles – Riverside – Orange County (1982-84 = 100) since the beginning of the preceding Fiscal Year, or by two percent (2%), whichever is greater, on July 1, 2005 for Fiscal Year 2005-06 and on each subsequent July 1 for the Fiscal Year then commencing.

TABLE 2
Maximum Special Tax Rates

Special Tax Rate Category	Maximum Rates Per Benefit Unit	
	Base Rate	Additional Maintenance Rate
A	$250	$0
B	$250	$100
C	$250	$200
D	$250	$300
E	$250	$400
F	$250	$500
G	$250	$600
H	$250	$700
I	$250	$800
J	$250	$900
K	$250	$1,000
L	$250	$1,100
M	$250	$1,200
N	$250	$1,300
O	$250	$1,400
P	$250	$1,500
Q	$250	$1,600
R	$250	$1,700
S	$250	$1,800
T	$250	$1,900
U	$250	$2,000
V	$250	$2,100
W	$250	$2,200
X	$250	$2,300
Y	$250	$2,400
Z	$250	$2,500

The Parcels which are to be included in the District at the time of its formation and which are identified in Table 3 shall be assigned to the Land Use Category and the Special Tax Rate Category specified in Table 3.

TABLE 3
Assignment to Land Use Category
and Special Tax Rate Category

Tract No.	Land Use Category	Special Tax Rate Category
16408	One (1)	K

METHOD OF APPORTIONMENT AND LEVY OF ANNUAL SPECIAL TAX

For each Fiscal Year, commencing with Fiscal Year 2004-05, the Council shall (a) determine the cost of providing the Basic Maintenance in the District and the amount of the Base Rate Per Benefit Unit to be levied on Parcels of Taxable Property in the District to pay the cost of the Basic Maintenance; (b) determine the cost of providing the Additional Maintenance, if any, for each Special Tax Rate Category, as then applicable, and the amount of the Additional Maintenance Rate Per Benefit Unit, if any, to be levied on Parcels of Taxable Property in each Special Tax Rate Category to pay the cost the Additional Maintenance therefor; and (c) levy the Special Tax on all Parcels of Taxable Property in each Special Tax Rate Category, as then applicable. The amount of the Special Tax to be levied on any Parcel of Taxable Property in any Fiscal Year shall be determined by multiplying the Benefit Units for the Parcel, depending on the Land Use Category to which it is assigned, by the Base Rate Per Benefit Unit and the Additional Maintenance Rate Per Benefit Unit, if any, determined pursuant to clauses (a) and (b) above, for the Special Tax Rate Category to which the Parcel is assigned.

No Special Tax shall be levied on property which, at the time of adoption of the Resolution of Formation for the District, is Exempt Property.

5. A public hearing on the annexation of said territory to the Community Facilities District shall be held at 6:00 p.m., or as soon thereafter as the matter may be heard, on February 20, 2024, in the Council Chambers at the City of Redlands Civic Center, 35 Cajon Street, Redlands, California, or via teleconference as directed by the City due to COVID-19 social distancing guidelines.

6. The City Clerk shall publish a notice of the time and place of said hearing and shall also give notice of the time and place of said hearing by first-class mail to each registered voter and landowner within the territory proposed to be annexed to the Community Facilities District. Said notice shall be published at least seven (7) days and mailed at least 15 days before the date of the hearing.

7. The voting procedures to be followed in conducting the election on the proposition with respect to the levy of special taxes within the territory proposed to be annexed

to the Community Facilities District to pay the costs of services to be financed by the community facilities district shall be as follows:

(a) If at the time of the close of the public or protest hearing at least 12 persons are registered to vote within the territory proposed to be annexed to the Community Facilities District, the election shall be conducted by the City Clerk, and shall be held on a date selected by the City Council, and the ballots for the election shall be distributed to the qualified electors of the territory proposed to be annexed to the Community Facilities District by mail with return postage prepaid and the election shall be conducted as a mail ballot election.

(b) If at the time of the close of the protest hearing, and for at least the preceding 90 days, less than 12 persons have been registered to vote within the territory proposed to be annexed to the Community Facilities District, and the vote is therefore to be by the landowners of that territory, with each landowner of record at the close of the protest hearing having one vote for each acre or portion of an acre of land that he or she owns, the election shall be conducted by the City Clerk as follows:

(1) The election shall be held on the earliest date following the conclusion of the protest hearing upon which it can be held which may be selected by the City Council, or such earlier date as the owners of land within the territory proposed to be annexed to the Community Facilities District and the City Clerk agree and concur is acceptable.

(2) The election may be held earlier than 90 days following the close of the protest hearing if the qualified electors of the territory proposed to be annexed to the Community Facilities District waive the time limits for conducting the election by unanimous written consent and the City Clerk concurs in such earlier election date as shall be consented to by the qualified electors.

(3) Ballots for the election shall be distributed to the qualified electors by the City Clerk by mail with return postage prepaid.

(4) The City Clerk shall mail to each qualified elector an official ballot, and shall also mail to all such qualified electors other required election documents, including a return identification envelope with prepaid postage thereon addressed to the City Clerk for the return of voted official ballots.

(5) The information-to-voter form to be mailed by the City Clerk to the landowner-voters shall inform them that the official ballots shall be returned to the City Clerk properly voted as provided thereon and with the certification appended thereto properly completed and signed in the sealed return identification envelope with the certification thereon completed and signed and all other information to be inserted thereon properly inserted by 5:00 o'clock p.m. on the date of the election.

(6) Upon receipt of the return identification envelopes which are returned prior to the voting deadline on the date of the election, the City Clerk

shall canvass the votes cast in the election, and shall file a statement with the City Council at its next regular meeting regarding the results of such canvass and the election.

Resolution No. 8541 contains other provisions which are not summarized above. A copy of Resolution No. 8541 may be reviewed or obtained at the office of the City Clerk of the City of Redlands located at 35 Cajon Street, Redlands, California.

NOTICE IS FURTHER GIVEN that at the time and place of said hearing, all persons interested for or against the annexation of said territory to the Community Facilities District or the levying of special taxes within such territory to pay the costs of providing certain services within the territory proposed to be annexed to the Community Facilities District will be heard. At the hearing, protests against the proposals described in Resolution No. 8541 may be made by any interested person. Any protests pertaining to the regularity or sufficiency of the proceedings shall be in writing and shall clearly set forth the irregularities or defects to which objection is made. All written protests shall be filed with the City Clerk prior to the time fixed for the hearing. The City Council may waive any irregularities in the form or content of any written protests and at the hearing may correct minor defects in the proceedings. Written protests may be withdrawn in writing at any time before the conclusion of the hearing.

If the owners of one-half or more of the area of land in the territory included in the existing district, or if the owners of one-half or more of the area of land in the territory proposed to be annexed to the Community Facilities District file written protests against the proposed annexation of such territory to the Community Facilities District, and protests are not withdrawn so as to reduce the protest to less than a majority, no further proceedings shall be undertaken for a period of one year from the date of decision of the City Council on the issues discussed at the hearing.

The hearing may be continued from time to time, but shall be completed within 30 days. At the conclusion of the hearing, the City Council may abandon the proceedings or may, after passing upon all protests, submit the question of levying the special tax within the area proposed to be annexed to the Community Facilities District to the qualified electors of the area proposed to be annexed.

DATED: _____, 2024

/s/_____
Jeanne Donaldson, City Clerk
City of Redlands, County of San Bernardino

Conformed Copy

SHEET 1 OF 1

ANNEXATION MAP NO. 29

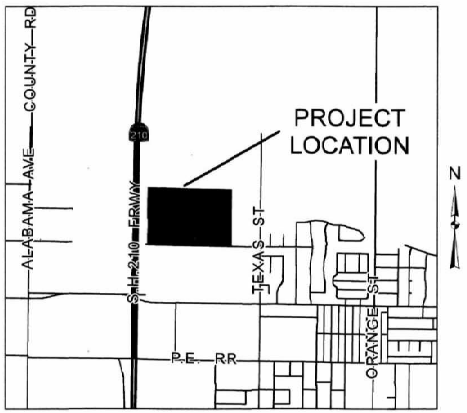
COMMUNITY FACILITIES DISTRICT NO. 2004-1 OF THE CITY OF REDLANDS, COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA

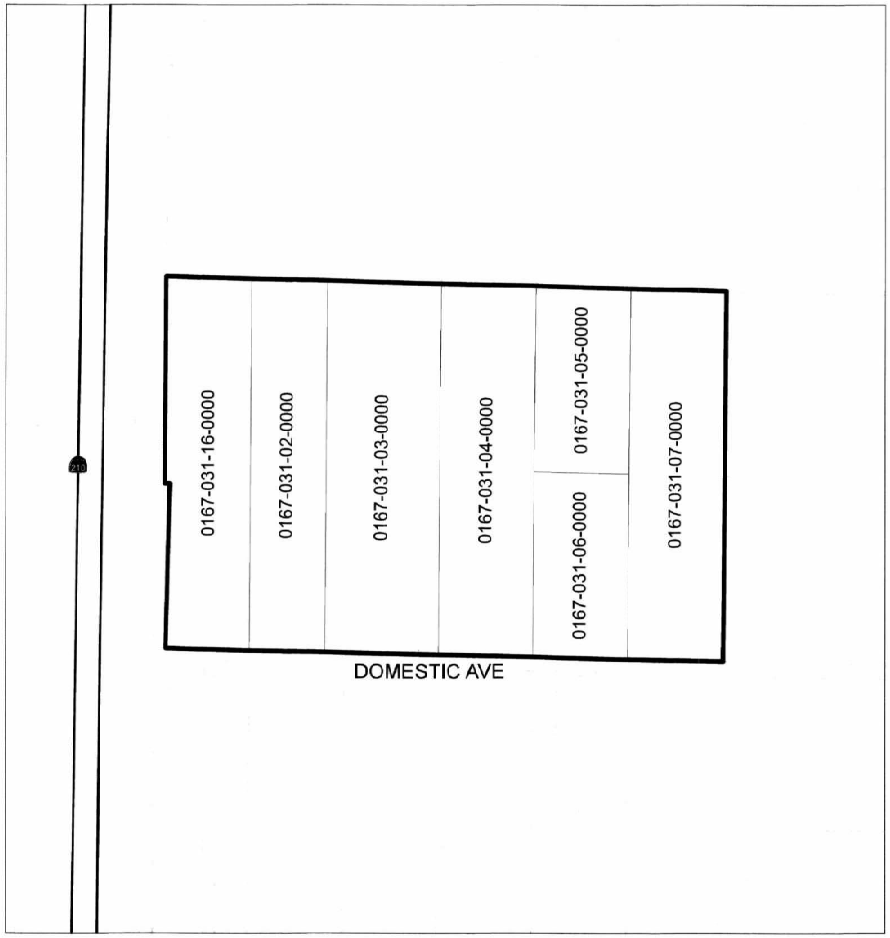
THIS MAP SHOWS THE BOUNDARIES OF AREAS TO BE ANNEXED TO COMMUNITY FACILITIES DISTRICT NO. 2004-1 OF THE CITY OF REDLANDS, COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA. THE BOUNDARIES OF WHICH COMMUNITY FACILITIES DISTRICT ARE SHOWN AND DESCRIBED ON THE MAP THEREOF WHICH WAS PREVIOUSLY RECORDED ON MAY 18, 2004 BOOK 76 OF MAPS OF ASSESSMENT AND COMMUNITY FACILITIES DISTRICTS, AT PAGE 94 AND AS INSTRUMENT NO. 2004-0347327 IN THE OFFICE OF THE COUNTY RECORDER OF THE COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA.

I HEREBY CERTIFY THAT THE WITHIN MAP OF THE AREAS TO BE ANNEXED TO COMMUNITY FACILITIES DISTRICT NO. 2004-1 OF THE CITY OF REDLANDS, COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, WAS APPROVED BY THE CITY COUNCIL OF THE CITY OF REDLANDS AT A REGULAR MEETING THEREOF, HELD ON THE 16TH DAY OF JANUARY, 2024, BY IT'S RESOLUTION NO. 8541.

CITY CLERK OF THE CITY OF REDLANDS

VICINITY MAP
NOT TO SCALE





FILED IN THE OFFICE OF THE CITY CLERK OF THE CITY OF REDLANDS THIS 23rd DAY OF JANUARY, 2024.

BY: _____
CITY CLERK OF THE CITY OF REDLANDS

SAN BERNARDINO COUNTY RECORDER'S CERTIFICATE

THIS MAP HAS BEEN FILED UNDER DOCUMENT NUMBER 2024-0007111 THIS 23rd DAY OF January, 2024, AT THE HOUR OF 8 O'CLOCK A. M., IN BOOK 91 OF ***, PAGE 36. AT THE REQUEST OF City of Redlands. IN THE AMOUNT OF $ 11.00.
$ 2.00
** Assessment Maps

CHRIS WILHITE
ASSESSOR-RECORDER-COUNTY CLERK
SAN BERNARDINO COUNTY

BY: _____
DEPUTY RECORDER

LEGEND

———	ANNEXATION BOUNDARY
———	PARCEL BOUNDARY
XXXX-XXX-XX-XXXX	ASSESSOR'S PARCEL NUMBER

N

0 1,000
Feet

Webb MUNICIPAL FINANCE

THIS ANNEXATION MAP CORRECTLY SHOWS THE LOT OR PARCEL OF LAND INCLUDED WITHIN THE BOUNDARIES OF THE COMMUNITY FACILITIES DISTRICT. FOR DETAILS CONCERNING THE LINES AND DIMENSIONS OF LOTS OR PARCELS REFER TO THE COUNTY ASSESSOR'S MAPS FOR FISCAL YEAR 2023-2024.

M:\GIS-Assessment\Redlands\CFD2004-1_Annex29.mxd

Redlands Daily Facts
1255 W. Colton Ave, Suite 133
Redlands, CA 92374
909-259-9315
rdflegals@inlandsnewspapers.com

5007807

Legal No. **0011646540**

CITY OF REDLANDS
PO BOX 3005
REDLANDS, CA 923730000

PROOF OF PUBLICATION
(2015.5 C.C.P.)

STATE OF CALIFORNIA
County of San Bernardino

The undersigned hereby certifies as follows:

I am a citizen of the United States and a resident of the County aforesaid. I am over the age of twenty-one years, and not a party to or interested in the above entitled matter. I am the principal clerk of the printer of the Redlands Daily Facts, a newspaper of general circulation, published daily in the City of Redlands, County of San Bernardino, and which newspaper has been adjudged a newspaper of general circulation by the Superior Court of the County of San Bernardino, State of California, under the date of October 10, 1927, Case Number 26980; that the notice, of which the annexed is a true printed copy (set in type not smaller than nonpareil), has been published in each regular and entire issue of said newspaper and not in any supplement thereof on each of the following dates, to wit:

02/06/2024

I declare under the penalty of perjury that the foregoing is true and correct.

Executed at Ontario, San Bernardino Co., California, on this 6th day of February, 2024.

Pamela J. Harris

Signature

NOTICE OF HEARING ON RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDLANDS DECLARING INTENTION TO ANNEX TERRITORY TO COMMUNITY FACILITIES DISTRICT NO. 2004-1 OF THE CITY OF REDLANDS (ANNEXATION NO. 29)

NOTICE IS HEREBY GIVEN that on January 16, 2024, the City Council of the City of Redlands adopted Resolution No. 8541, declaring the intention of the City Council to annex territory to Community Facilities District No. 2004-1 of the City of Redlands, County of San Bernardino, State of California (the "Community Facilities District"), and fixing the time and place of a public hearing thereon for 6:00 p.m., or as soon thereafter as the matter may be heard, on February 20, 2024 in the Council Chambers at the City of Redlands Civic Center, 35 Cajon Street, Redlands, California, or via teleconference as directed by the City due to COVID-19 social distancing guidelines, at which time the City Council will hear the testimony of all interested persons for or against the annexation of said territory to the Community Facilities District or the levying of special taxes within such territory to pay the costs of providing certain services which are necessary to meet increased demands placed upon the City as a result of the development of said real property.

Resolution No. 8541 provides in summary as follows:

1. The City Council declared its intention to conduct proceedings for the annexation to the Community Facilities District of the territory described in Exhibit "A" to Resolution No. 8541. The City Council determined that the public convenience and necessity require that such territory be annexed to the Community Facilities District.

2. The territory which is included in the Community Facilities District is described on the map of the Community Facilities District recorded on May 18, 2004 in Book 76 of Maps of Assessment and Community Facilities Districts, page 94, and as Instrument No 2004-0347327 in the official records of the County of San Bernardino. The territory proposed to be annexed to the Community Facilities District is described on the map thereof entitled "Annexation Map No. 29, Community Facilities District No. 2004-1 of the City of Redlands, County of San Bernardino, State of California," which is on file with the City Clerk of the City of Redlands.

3. The types of public services to be provided within the Community Facilities District are as follows:

The services to be provided and financed by the Community Facilities District are the park maintenance, infiltration basins, catch basin inlets, fossil filters, landscaping, and street trees within letter lot "A" and street right-of-way adjacent to Tract Map No. 20336, and any other public services authorized by the Act, in the area of the Property and the Community Facilities District. The Community Facilities District shall also finance costs associated with the determination of the amount of and the levy and collection of special taxes which are levied to provide such services and costs otherwise incurred in order to carry out its authorized purposes. The services described above shall be provided, as needed, throughout the Community Facilities District and the territory proposed to be annexed thereto for the benefit of all owners of property and residents of the Community Facilities District and the territory proposed to be annexed thereto. All owners of taxable parcels of property within the Community Facilities District and the territory proposed to be annexed thereto shall pay special taxes to finance the annual cost of providing such services. The services to be provided and financed by the Community Facilities District, are necessary to meet increased demands placed upon the City as a result of development occurring within the Community Facilities District and the territory to be annexed thereto.

4. Special taxes sufficient to pay the costs of the services described in Section 3 above and the annual administrative expenses of the City and the Community Facilities District in determining, apportioning, levying and collecting such special taxes, shall be annually levied within the territory proposed to be annexed to the Community Facilities District. The special taxes shall be collected in the same manner as ordinary ad valorem property taxes are collected and shall be subject to the same penalties and the same procedure, sale, and lien priority in case of delinquency as is provided for ad valorem taxes. The rates and method of apportionment of said special taxes shall be as set forth in Exhibit "B" to Resolution No. 8541. The property within the territory proposed to be annexed shall be assigned at the rate set forth for Special Tax Rate Category D as set forth in said Exhibit "B", and for Fiscal Year 2024-25, and each Fiscal Year thereafter, assessed at the rate set forth in Table 2 in said Exhibit "B", subject to annual increases beginning in Fiscal Year 2025-26 by the greater of 2% or the percentage increase in the Consumer Price Index as determined pursuant to the method of apportioning such special taxes set forth in said Exhibit "B".

The maximum amounts of special taxes which may be annually levied are as follows:

ASSIGNMENT TO LAND USE CATEGORY

Parcels of Taxable Property in a Development shall be assigned to the appropriate Land Use Category contained in Table 1. Such Parcels shall also be assigned to the appropriate Special Tax Rate Category contained in Table 2, based on the estimated cost for providing the Additional Maintenance, if any, to the Development. The Special Tax shall be levied upon and collected from each such Parcel for each Fiscal Year based on the Benefit Units which are assigned to the Parcel as a result of its assignment to the appropriate Land Use Category and Special Tax Rate Category, as provided in Sections C and D.

TABLE 1
Land Use Category

Land Use	Category Description	Benefit Unit(s)
1	Single-family Residential	One (1) / Residence
2	Commercial	Five (5) / Acre
3	Industrial	Two (2) / Acre
4	Multi-family Residential	Six tenths (0.6) / Residential Unit
5	Religious Property	Two (2) / Acre

MAXIMUM SPECIAL TAX RATES

The Maximum Special Tax Rate per Benefit Unit for each Parcel for each Fiscal Year shall be the total of the Base Rate Per Benefit Unit plus the Additional Maintenance Rate Per Benefit Unit for the Special Tax Rate Category to which the Parcel is assigned. For Fiscal Year 2004-05 the Base Rate Per Benefit Unit and the Additional Maintenance Rate Per Benefit Unit for each Special Tax Category shall be the amounts set forth in Table 2 for such Special Tax Rate Category. The Base Rates Per Benefit Unit and the Additional Maintenance Rates Per Benefit Unit for all Parcels in all Special Tax Rate Categories shall be increased by the percentage increase in the Consumer Price Index (All Items) for Los Angeles – Riverside – Orange County (1982-84 = 100) since the beginning of the preceding Fiscal Year, or by two percent (2%), whichever is greater, on July 1, 2005 for Fiscal Year 2005-06 and on each subsequent July 1 for the Fiscal Year then commencing.

TABLE 2
Maximum Special Tax Rates

Special Tax Rate Category	Maximum Rates Per Benefit Unit Base Rate	Maximum Rates Per Benefit Unit Additional Maintenance Rate
A	$250	$0
B	$250	$100
C	$250	$200
D	$250	$300
E	$250	$400
F	$250	$500
G	$250	$600
H	$250	$700
I	$250	$800
J	$250	$900
K	$250	$1,000
L	$250	$1,100
M	$250	$1,200

N	$250	$1,300
O	$250	$1,400
P	$250	$1,500
Q	$250	$1,600
R	$250	$1,700
S	$250	$1,800
T	$250	$1,900
U	$250	$2,000
V	$250	$2,100
W	$250	$2,200
X	$250	$2,300
Y	$250	$2,400
Z	$250	$2,500

The Parcels which are to be included in the District at the time of its formation and which are identified in Table 3 shall be assigned to the Land Use Category and the Special Tax Rate Category specified in Table 3.

TABLE 3
Assignment to Land Use Category
and Special Tax Rate Category

Tract No.	Land Use Category	Special Tax Rate Category
16408	One (1)	K

METHOD OF APPORTIONMENT AND LEVY OF ANNUAL SPECIAL TAX

For each Fiscal Year, commencing with Fiscal Year 2004-05, the Council shall (a) determine the cost of providing the Basic Maintenance in the District and the amount of the Base Rate Per Benefit Unit to be levied on Parcels of Taxable Property in the District to pay the cost of the Basic Maintenance; (b) determine the cost of providing the Additional Maintenance, if any, for each Special Tax Rate Category, as then applicable, and the amount of the Additional Maintenance Rate Per Benefit Unit, if any, to be levied on Parcels of Taxable Property in each Special Tax Rate Category to pay the cost the Additional Maintenance therefor; and (c) levy the Special Tax on all Parcels of Taxable Property in each Special Tax Rate Category, as then applicable. The amount of the Special Tax to be levied on any Parcel of Taxable Property in any Fiscal Year shall be determined by multiplying the Benefit Units for the Parcel, depending on the Land Use Category to which it is assigned, by the Base Rate Per Benefit Unit and the Additional Maintenance Rate Per Benefit Unit, if any, determined pursuant to clauses (a) and (b) above, for the Special Tax Rate Category to which the Parcel is assigned.

No Special Tax shall be levied on property which, at the time of adoption of the Resolution of Formation for the District, is Exempt Property.

5. A public hearing on the annexation of said territory to the Community Facilities District shall be held at 6:00 p.m., or as soon thereafter as the matter may be heard, on February 20, 2024, in the Council Chambers at the City of Redlands Civic Center, 35 Cajon Street, Redlands, California, or via teleconference as directed by the City due to COVID-19 social distancing guidelines.

6. The City Clerk shall publish a notice of the time and place of said hearing and shall also give notice of the time and place of said hearing by first-class mail to each registered voter and landowner within the territory proposed to be annexed to the Community Facilities District. Said notice shall be published at least seven (7) days and mailed at least 15 days before the date of the hearing.

7. The voting procedures to be followed in conducting the election on the proposition with respect to the levy of special taxes within the territory proposed to be annexed to the Community Facilities District to pay the costs of services to be financed by the community facilities district shall be as follows:

(a) If at the time of the close of the public or protest hearing at least 12 persons are registered to vote within the territory proposed to be annexed to the Community Facilities District, the election shall be conducted by the City Clerk, and shall be held on a date selected by the City Council, and the ballots for the election shall be distributed to the qualified electors of the territory proposed to be annexed to the Community Facilities District by mail with return postage prepaid and the election shall be conducted as a mail ballot election.

(b) If at the time of the close of the protest hearing, and for at least the preceding 90 days, less than 12 persons have been registered to vote within the territory proposed to be annexed to the Community Facilities District, and the vote is therefore to be by the landowners of that territory, with each landowner of record at the close of the protest hearing having one vote for each acre or portion of an acre of land that he or she owns, the election shall be conducted by the City Clerk as follows:

(1) The election shall be held on the earliest date following the conclusion of the protest hearing upon which it can be held which may be selected by the City Council, or such earlier date as the owners of land within the territory proposed to be annexed to the Community Facilities District and the City Clerk agree and concur is acceptable.

(2) The election may be held earlier than 90 days following the close of the protest hearing if the qualified electors of the territory proposed to be annexed to the Community Facilities District waive the time limits for conducting the election by unanimous written consent and the City Clerk concurs in such earlier election date as shall be consented to by the qualified electors.

(3) Ballots for the election shall be distributed to the qualified electors by the City Clerk by mail with return postage prepaid.

(4) The City Clerk shall mail to each qualified elector an official ballot, and shall also mail to all such qualified electors other required election documents, including a return identification envelope with prepaid postage thereon addressed to the City Clerk for the return of voted official ballots.

(5) The information-to-voter form to be mailed by the City Clerk to the landowner-voters shall inform them that the official ballots shall be returned to the City Clerk properly voted as provided thereon and with the certification appended thereto properly completed and signed in the sealed return identification envelope with the certification thereon completed and signed and all other information to be inserted thereon properly inserted by 5:00 o'clock p.m. on the date of the election.

(6) Upon receipt of the return identification envelopes which are returned prior to the voting deadline on the date of the election, the City Clerk shall canvass the votes cast in the election, and shall file a statement with the City Council at its next regular meeting regarding the results of such canvass and the election.

Resolution No. 8541 contains other provisions which are not summarized above. A copy of Resolution No. 8541 may be reviewed or obtained at the office of the City Clerk of the City of Redlands located at 35 Cajon Street, Redlands, California.

NOTICE IS FURTHER GIVEN that at the time and place of said hearing, all persons interested for or against the annexation of said territory to the Community Facilities District or the levying of special taxes within such territory to pay the costs of providing certain services within the territory proposed to be annexed to the Community Facilities District will be heard. At the hearing, protests against the proposals described in Resolution No. 8541 may be made by any interested person. Any protests pertaining to the regularity or sufficiency of the proceedings shall be in writing and shall clearly set forth the irregularities or defects to which objection is made. All written protests shall be filed with the City Clerk prior to the time fixed for the hearing. The City Council may waive any irregularities in the form or content of any written protests and at the hearing may correct minor defects in the proceedings. Written protests may be withdrawn in writing at any time before the conclusion of the hearing.

If the owners of one-half or more of the area of land in the territory included in the existing district, or if the owners of one-half or more of the area of land in the territory proposed to be annexed to the Community Facilities District file written protests against the proposed annexation of such territory to the Community Facilities District, and protests are not withdrawn so as to reduce the protest to less than a majority, no further proceedings shall be undertaken for a period of one year from the date of decision of the City Council on the issues discussed at the hearing.

The hearing may be continued from time to time, but shall be completed within 30 days. At the conclusion of the hearing, the City Council may abandon the proceedings or may, after passing upon all protests, submit the question of levying the special tax within the area proposed to be annexed to the Community Facilities District to the qualified electors of the area proposed to be annexed.

DATED: February 1, 2024

/s/ Jeanne Donaldson, City Clerk, City of Redlands, County of San Bernardino

Redlands Daily Facts 2/6/2024

RECEIVED
JAN 29 2024
Redlands City Clerk

WAIVER OF CERTAIN ELECTION PROCEDURES WITH RESPECT TO LANDOWNER-VOTER ELECTION ON LEVY OF TAXES WITHIN TERRITORY TO BE ANNEXED TO COMMUNITY FACILITIES DISTRICT NO. 2004-1 OF THE CITY OF REDLANDS (ANNEXATION NO. 29)

The undersigned, on behalf of Meritage Homes of California, Inc., a California corporation (the "Owner"), hereby certifies to the City of Redlands (the "City") as follows:

1. The undersigned is authorized and possesses all authority necessary to execute this waiver on behalf of the Owner and to vote on behalf of the Owner in the special election to be held within the territory proposed to be annexed to Community Facilities District No. 2004-1 of the City of Redlands, County of San Bernardino, State of California (the "Community Facilities District").

2. The Owner is the owner of the land proposed to be annexed to the Community Facilities District, consisting of 58.07 acres, identified in Exhibit "A" attached hereto and incorporated herein by reference (the "Territory").

3. The Owner received mailed notice of the public hearing to be held by the City Council of the City (the "City Council") regarding the annexation of the Territory to the Community Facilities District, the levy of special taxes within the Territory to pay the costs of park maintenance, infiltration basins, catch basin inlets, fossil filters, landscaping, and street trees within letter lot "A" and street right-of-way adjacent to Tract Map No. 20336, and any other public services authorized by the Act, in the area of the Property and the Community Facilities District (the "Services"), and the costs associated with the determination of the amount of and levy and collection of special taxes which will be levied to provide the services and costs otherwise incurred in order to carry out the authorized purposes of the Community Facilities District (the "Incidental Costs").

4. The Owner has received necessary and relevant information from the City regarding the annexation of the Territory to the Community Facilities District, and the City has made available to the Owner adequate opportunity to obtain such information. The Owner has received a copy of Resolution No. 8541 of the City Council, with all exhibits attached thereto, including Exhibit "B", the "Rate and Method of Apportionment of the Special Tax."

5. The undersigned is informed and understands that in order for the Territory to be annexed to the Community Facilities District and for the City Council to thereafter annually levy special taxes therein to pay the costs of the Services and the Incidental Costs, it is necessary that a special election be held within the Territory on the proposition of whether the City shall levy special taxes on taxable property within the Community Facilities District to pay the costs of the Services and the Incidental Costs, and that two-thirds of the votes cast upon such question must be in favor thereof.

6. The undersigned is further informed and understands that pursuant to Section 53326 of the California Government Code elections on such a proposition must be held at the next general election or in a special election to be held at least 90 days but not more than 180 days following the close of the public hearing on February 20, 2024, unless such time limits are waived with the unanimous consent of the qualified electors of the Territory and the concurrence of the City Clerk. The Owner desires that the time limit for conducting said election set forth in said Section 53326 be waived, and that said election be held as soon as possible and not later than February 20, 2024.

7. The Owner waives the time limits set forth in Section 53326 of the California Government Code with respect to said election and consents to the holding of said election on any date on or after February 20, 2024, which is acceptable to the City Clerk. The Owner further

consents to the holding of said election less than 10 days after the mailing or delivery of a sample ballot to the Owner and without compliance with other formal requirements of the California Elections Code.

8. The Owner waives the publication and mailing by the City Clerk to the Owner of a notice of said election and a sample ballot pursuant to Sections 4101 and 4102 of the Elections Code, and compliance with other applicable notice requirements of the California Elections Code.

9. The Owner further waives an impartial analysis by the City Attorney on the ballot measure to be contained in the Official Ballot for said election pursuant to Section 9280 of the California Elections Code, and further waives ballot arguments and rebuttals pursuant to Sections 9281 to 9287, inclusive, and 9295 of the California Elections Code. The Owner also waives compliance with and the mailing to the Owner by the City of a statement pursuant to Section 9401 of the California Elections Code.

10. The Owner further waives the word limit requirement for the ballot pursuant to Sections 13247 and 9052 of the Elections Code.

10. California Election Code Section 13119 requires that any ballot measure imposing a tax or raising the rate of a tax include a statement of the measure, which among other things requires the City to state the amount of money to be raised annually and duration of the tax to be levied. Owner expressly waives any requirements to include a statement as required by Election Code Section 13119 and hereby acknowledges that Owner has previously received information regarding the annual Special Tax levy and duration of the Special Tax.

11. The Owner further waives mailing of the official ballot by the tenth (10th) day before the date of said election pursuant to Section 4101 of the Elections Code and receipt of a ballot pamphlet as required by Section 3023 of the California Elections Code, and consents to the City

Clerk delivering to the Owner the official ballot to be voted on its behalf on any date prior to the date of said election.

12. The undersigned hereby represents that compliance with the procedural requirements for conducting said election, including the receipt of ballot arguments and the time limitations which apply in connection with scheduling of and mailing notices for said election are unnecessary in light of the fact that the Owner has received sufficient information regarding the annexation of the Territory to the Community Facilities District and the levy of the special taxes within the Territory to pay the costs of providing the Services and the Incidental Costs to enable the Owner to properly vote the Official Ballot for such election on the proposition mentioned in paragraph 5 above.

The undersigned certifies that the foregoing is true and that he executed this document on January 24th, 2024, at Irvine, California.

Meritage Homes of California, Inc., a California corporation

By: Aaron Talarico
Its: Vice President Land

EXHIBIT "A"

PROPERTY LEGAL DESCRIPTION

That property located in the City of Redlands, County of San Bernardino, State of California, identified as the following San Bernardino County Assessor's Parcel Numbers:

0167-031-02-0000
0167-031-03-0000
0167-031-04-0000
0167-031-05-0000
0167-031-06-0000
0167-031-07-0000
0167-031-16-0000

OFFICER'S CERTIFICATE

MERITAGE HOMES OF CALIFORNIA, INC.

I, Barry G. Grant, do hereby certify that I am the duly appointed Division President of Meritage Homes of California, Inc., a California corporation (the "Company").

I also do hereby certify that Aaron Talarico is the duly appointed Vice President-Land Acquisition and Forward Planning for the Southern California Division of the Company and has been authorized, by and on behalf of the Company, to execute documents, contracts, and agreements relating to land planning and development, such as entitlement applications, easements, declarations of covenants, conditions, and restrictions, development agreements, and contracts and agreements with contractors, subcontractors, vendors, and other third parties.

Dated: June 15, 2022

By: DocuSigned by: Barry Grant
CA7FA2587D134AB...
Name: Barry G. Grant
Title: Division President

777 East Rialto Avenue, San Bernardino, CA 92415 | Phone: 909.387.8300 Fax: 909.387.2022
www.SBCounty.gov

SAN BERNARDINO COUNTY

Registrar of Voters

Stephenie Shea
Registrar of Voters

CERTIFICATE OF REGISTRAR OF VOTERS

State of California)
) ss.
San Bernardino County)

I, Stephenie Shea, San Bernardino County Registrar of Voters, hereby certify that:

(A) I have been furnished a map describing the boundaries of the territory proposed to be annexed to Community Facilities District No. 2004-1 of the City of Redlands, San Bernardino County, State of California, as Annexation No. 29.

(B) On January 18, 2024, I conducted, or caused to be conducted, a review of the voter registration records of the San Bernardino County for the purpose of determining the number of voters registered to vote within the territory to be included within proposed Annexation No. 29 to Community Facilities District No. 2004-1.

(C) There are 0 registered voters residing with the boundaries of proposed Annexation No. 29 to Community Facilities District No. 2004-1.

IN WITNESS WHEREOF, I have executed this Certificate on the 22 day of January, 2024.

Stephenie Shea

Registrar of Voters

BOARD OF SUPERVISORS
COL. PAUL COOK (RET.) Vice Chairman, First District
JESSE ARMENDAREZ Second District
DAWN ROWE Chair, Third District
CURT HAGMAN Fourth District
JOE BACA, JR. Fifth District
Luther Snoke Chief Executive Officer

CFD 2004-1 Annexations List

In August 2004 Council approved the establishment of community facilities district (CFD) No. 2004-1, for Tract No. 16408, the Centex tract located at the southwest corner of Fifth Avenue and Wabash Avenue in the City of Redlands. The CFD was developed to cover the ongoing cost of maintenance of street trees, citrus groves landscaping and other appurtenances located along Fifth Avenue and Wabash Avenue.

In May 2006 Council approved Annexation No. 1 (Tract No. 16287) to the CFD, located at Occidental Drive and Crystal Court for the maintenance of landscaping and water quality treatment devices in the open space lots. During this last year, Annexation No. 1 subdivided the properties on site from two lots to twelve lots.

Annexation No. 2 (Tentative Tract No. 16586), located north of I-10 and both sides of the proposed Wabash Street alignment has been on hold since October 2006.

In July 2006 Council approved Annexation No. 3 (Tentative Tract No. 17253) to the CFD, located at the southwest corner of Lugonia Avenue and Church Street for the maintenance of the landscape and the associated irrigation equipment on Lugonia Avenue parkway frontages. This project has not yet begun construction.

In October 2008 Council approved Annexation No. 4 (Parcel Map No. 17353) to the CFD, located at Ford Street and Interstate 10 for the maintenance of the landscape in the median island and the associated irrigation equipment.

In October 2008 Council approved Annexation No. 5 (Commission Review and Approval No. 826) to the CFD, located at California Street and Orange Tree Lane for the maintenance of the landscape in the median island and the associated irrigation equipment on California Street and the parkway frontages along both streets.

Annexation No. 6 (Tract No 14790-1), located adjacent to Sunset Hills Lane, west of Alessandro Road did not receive sufficient votes needed to annex into the CFD in June 2009.

Annexation No. 7 (Parcel 2 of Parcel Map No. 15573), located at the northeast corner of San Bernardino Avenue and Mountain View Avenue, has been on hold since February 2011.

In February 2011 Council approved Annexation No. 8 (Tract No. 16806) to the CFD, located at southeast corner of Pennsylvania Avenue and Texas Street for the maintenance of the landscape and the associated irrigation equipment on Pennsylvania Avenue and Texas Street parkway frontages. This project has not yet begun construction.

In November 2012 Council approved Annexation No. 9 (Parcel Map No, 18208) to the CFD located at the southeast corner of Redlands Boulevard and Nevada Street for the maintenance of landscaping and the associated irrigation equipment on Redlands

Boulevard and Nevada Street parkway frontages and the Redlands Boulevard raised center median.

Annexation No. 10 (Tract No. 18762-1), located at the northeast corner of Orange Street and Lugonia Avenue, has been completed since July 2016. Annexation No. 10 is dormant because the property owners have agreed to be responsible for all landscaping and irrigation efforts themselves; therefore the annexations are not being assessed.

In June 2014 Council approved Annexation No. 11 (Parcel Map No. 19371) to the CFD located at the northwest corner of Lugonia Avenue and Wabash Avenue for the maintenance of landscaping and the associated irrigation equipment on Lugonia Avenue and Wabash Avenue Street parkway frontages. Annexation No. 11 is dormant because the property owners have agreed to be responsible for all landscaping and irrigation efforts themselves; therefore the annexations are not being assessed.

In June 2014 Council approved Annexation No. 12 (Tract Map Nos. 16465 and 16627) to the CFD located at the southwest and southeast corners of Pioneer Avenue and Judson Street, respectively, for the maintenance of landscaping and the associated irrigation equipment on Pioneer Avenue and Judson Street parkway frontages, maintenance of landscaping and water quality treatment devices in the open space lots, and for the maintenance of landscaping and the associated irrigation equipment on the common area lots. Annexation No. 12a (Tract No. 16465) is nearly complete. A 50% assessment is being proposed to establish a reserve fund. Annexation No. 12b was completed in July 2016 and is being assessed. Annexation No. 12c (Tract Map Nos. 18979 and 19975) located east of Tract Map No. 16627 and between Pioneer Avenue and Pennsylvania Avenue was approved by City Council in June 2016. A 50% assessment is being proposed to establish a reserve fund. Annexation No. 12d (Tract Map No. 20079) was approved by Council in May 2018. A 50% assessment is being proposed to establish a reserve fund.

In June 2014 Council approved Annexation No. 13 (Tract Map No. 18882) to the CFD located at the southwest corner of San Bernardino Avenue and Dearborn Street, respectively, for the maintenance of landscaping and the associated irrigation equipment on San Bernardino Avenue and Dearborn Street parkway frontages and for the maintenance of landscaping and the associated irrigation equipment on the common area lots with the exception of Lot B. Annexation No. 13 is dormant because the property owners have agreed to be responsible for all landscaping and irrigation efforts themselves; therefore the annexation is not being assessed.

In September 2015 Council approved Annexation No. 14 (Parcel Map No. 19496) to the CFD located at the northeast corner of California Street and Lugonia Avenue for the maintenance of landscaping and associated irrigation equipment on the California Street center median. The maintenance of landscaping and associated irrigation equipment on California Street and Lugonia Avenue parkway frontages will be maintained by the property owner and will not be assessed.

In December 2017 Council approved Annexation No. 15 (Parcel Map No. 18535-1) to the CFD located at the northwest corner of Eureka Street and Stuart Avenue for the maintenance of street trees, landscaping and irrigation in the rights-of-way and landscape maintenance along the property frontage. Annexation No. 15 will be dormant because the property owners have agreed to be responsible for all landscaping and irrigation efforts themselves; therefore the annexation is not being assessed.

In April 2017 Council approved Annexation No, 16 (Tract Map No. 18988) to the CFD located on the north side of Pioneer Avenue, east of Texas Street for the maintenance of parks, slopes, parkways, median, open space, shade and seating structures, and monuments within and adjacent to said tract.

In July 2017 Council approved Annexation No. 17 (Tract Map No. 17022) to the CFD located at the northeast corner of Pioneer Avenue and Texas Street for the maintenance of slopes, parkways, open space and citrus trees within and adjacent to the tract. This project has not yet begun construction.

In May 2018 Council approved Annexation No. 18 (Parcel Map No. 19465) to the CFD located at the southeast corner of Alabama Street and Park Avenue for the maintenance of street trees, landscaping and irrigation in the rights-of-way and landscape maintenance easement along the property frontage within and in the parcel map. The maintenance of landscaping and associated irrigation equipment on Alabama Street and Park Avenue parkway frontages and landscape maintenance easement will be maintained by the property owner and will not be assessed.

In January 2020 Council approved Annexation No. 19 (Tract Map No.19942) to the CFD located at the northeast corner of Wabash Avenue and Sylvan Boulevard for the maintenance of parks, slopes, parkways, and open space within and adjacent to the tract.

In May 2019 Council approved Annexation No. 20 (Tract Map No. 19956) to the CFD located at the southeast corner of Wabash Avenue and Citrus Avenue for the maintenance of slopes, parkways, and open space within and adjacent to the tract.

In September 2019 City Council approved Annexation No. 21 (Tract Map No. 20126) to the CFD located on the north side of Lugonia Avenue, south of Pennsylvania Avenue, east of Judson Street for the maintenance of parks, slopes, parkways, open space, and citrus groves within and adjacent to the tract.

In September 2020 City Council approved Annexation No. 22 (Parcel Map No. 19981) to the CFD located at the northwest corner of Alabama Street and Park Avenue for the maintenance of parkways.

In April 2021 City Council approved Annexation No. 23 (Parcel Map No. 18536) to the CFD located at the southwest Corner of Stuart Avenue and Eureka Street for maintenance of parkways.

In January 2021 City Council approved Annexation No. 24 (CUP No. 1129) to the CFD located at the southeast corner of Eureka Street and Stuart Avenue for the maintenance of parkways.

In June 2023 City Council approved Annexation No. 25 (Tract Map No. 20065) located on the south side of East Highland Avenue and west of Redlands Street for maintenance of infiltration trenches, infiltration basins, storm drain facilities, landscaping, and street trees.

In March 2022 City Council approved Annexation No. 26 (Tract Map No. 20257) to the CFD located at the northwest corner of San Bernardino Avenue and Texas Street for the maintenance of perimeter lettered lots, retention basins, and street trees.

In October 2022 City Council approved Annexation No. 27 (Planned Development No. 4) to the CFD located at the northeast corner of Mountain View Avenue and I-10 for maintenance of public trails and trail fences.

Annexation No. 28 (Tentative Tract Map No. 20471), located at the southwest corner of San Bernardino Avenue and Wabash Avenue, has been on hold since July 2023.

City Council Meeting **K. 1.**

DATE: 02/20/2024

TO: Honorable Mayor and City Council Members

SUBJECT: Consideration of a Public Works Construction Contract with Tryco General Engineering for the 2023 Citywide Sidewalk and ADA Ramp Replacement Project for an amount not-to-exceed $1,000,000, rejection of a bid protest, and determination that the Project is exempt from environmental review pursuant to Section 15301(c) of the State's guidelines implementing the California Environmental Quality Act (Municipal Utilities and Engineering Director Harris)

MOTION(S):

If City Council determines the staff recommendation is appropriate, the following motions are provided:

1. I move that the City Council determine that approval of the 2023 Citywide Sidewalk and ADA Ramp Replacement Project is exempt from environmental review in accordance with Section 15301(c) of the State's Guidelines implementing the California Environmental Quality Act; and
2. I move to approve the 2023 Citywide Sidewalk and ADA Ramp Replacement Project plans and specifications.
3. I move to reject a bid protest, and approve the Public Works Construction Contract to Tryco General Engineering for an amount not-to-exceed $1,000,000.

RECOMMENDATION:

Staff recommends that City Council determine that approval of the 2023 Citywide Sidewalk and ADA Ramp Replacement Project is exempt from environmental review pursuant to Section 15301(c) of the State's guidelines implementing the California Environmental Quality Act. Staff further recommends City Council approval of the 2023 Citywide Sidewalk and ADA Ramp Replacement Project plans and specifications, rejection of a bid protest, and award of a Public Works Construction Contract to Tryco General Engineering for an amount not-to-exceed $1,000,000.

DISCUSSION:

The 2023 Citywide Sidewalk and ADA Ramp Replacement Project (Project) will replace approximately five (5) miles of lifted and broken sidewalks and forty-seven (47) ADA curb ramps in various locations throughout the City. Specific locations have been determined in accordance with the sidewalk repair matrix methodology approved by the City Council on September 1, 2015, and the ADA ramp survey summary prepared by VA Consulting, Inc. in 2014.

City Staff prepared plans and specifications and advertised the Project for construction. On January 10, 2024, the City Clerk's office received and opened the following thirteen (13) bids for the Project:

BID OPENING REPORT SUMMARY	
Bidder	**Bid Amount**
1. Tryco General Engineering, Rimforest, CA	$986,496.00
2. TTS Engineering, Stanton, CA	$1,076,365.00
3. Towo Enterprise Inc., Fullerton, CA	$1,095,797.75
4. Splice Construction Co., Inc., Laguna Niguel, CA	$1,098,051.00
5. Martinez Concrete, Azusa, CA	$1,384,342.00
6. OrangeBlue General Contractors, Laguna Hills, CA	*$1,421,400.00
7. CT&T Concrete Paving Inc., Diamond Bar, CA	$1,509,375.00
8. Aneen Construction Inc., Riverside, CA	*$1,543,448.00
9. Three Peaks, Calimesa, CA	$1,642,269.00
10. Onyx Paving Company Inc., Anaheim, CA	$1,693,000.00
11. Gentry General Engineering, Colton, CA	$1,883,520.00
12. EBS General Engineering Inc., Corona, CA	$2,226,568.00
13. KNC Construction Inc., Apple Valley, CA	$2,477,647.18

*An arithmetic error was made in the bid proposal. The total bid amount was corrected and highlighted in the attached Bid Analysis to identify arithmetic errors, but did not affect ranking.

Bids were reviewed by staff and Tryco General Engineering was determined to be the lowest responsive and responsible bidder. Staff recommends including $13,504 in the contract as contingency funding to be used only for any unforeseen work during construction.

On January 12, 2024, staff received a bid protest letter from the second lowest bidder, TTS Engineering of Stanton, CA, requesting to ensure items 14 and 15 on the bidder's checklist were submitted by the apparent lowest bidder, Tryco General Engineering (bid protest letter attached). After carefully reviewing the bid protest and consulting with the City Attorney's office, City staff determined

that Tryco General Engineering's bid is responsive with only minor, inconsequential bid irregularities. Staff's response letter to the bid protest letter is attached to this report. Staff recommends City Council rejection of the bid protest submitted by TTS Engineering.

Therefore, staff recommends City Council approval of a Public Works Construction Contract to Tryco General Engineering for an amount not-to-exceed $1,000,000. If approved, it is anticipated that the Project will be completed within one hundred (100) working days from the issuance of the Notice to Proceed.

This project is exempt from environmental review in accordance with Section 15301(c) of the State's guidelines implementing the California Environmental Quality Act as this project involves pedestrian safety improvements within existing right-of-way with no expansion of existing use of the roadway.

ALTERNATIVES:

City Council may deny the staff recommendation and provide alternate direction.

STRATEGIC PLAN:

N/A

SUBMITTED BY:
John R. Harris, Municipal Utilities and Engineering Director

RECOMMENDED BY:
Charles M. Duggan Jr., City Manager

REVIEWED BY:
Yvette M. Abich Garcia, City Attorney
Janice McConnell, Assistant City Manager
Danielle Garcia, Management Services/Finance Director
Goutam K. Dobey, City Engineer

PREPARED BY:
Elva Arellanes, Associate Engineer

Fiscal Impact

Fiscal Year:	FY 23/24
Revenue Generating:	N
Appropriation Required Y/N:	N
Budgeted Y/N:	Y
Account No.:	101400

Discussion:

Funding for this Project is included in the FY 23/24 MUED approved budget.

Attachments

A. Tryco Construction Public Works Contract
B. Bid Opening Report
C. Bid Analysis
D. Location Map
E. Plans & Specifications
F. Bid Protest Letter 01-12-2024
G. Bid Protest Response 01-16-2024

PUBLIC WORK CONSTRUCTION CONTRACT

This Public Work Construction contract ("Contract") is made and entered into this 20th day of February, 2024, by and between the City of Redlands, a municipal corporation, organized and existing under the laws of the State of California (hereinafter "City"), and Tryco General Engineering, a California corporation (hereinafter "Contractor"). City and Contractor are sometimes individually referred to herein as a "Party" and, together, as the "Parties."

In consideration of the mutual promises contained herein, City and Contractor agree as follows:

1. **SCOPE OF WORK:** Contractor shall furnish all materials and will perform all of the work for the following: 2023 Citywide Sidewalk and ADA Ramp Replacement Project, complete all items as required by the Contract Documents (as herein defined) and Specifications for City's 2023 Citywide Sidewalk and ADA Ramp Replacement, Project No. 400025 (the "Work").

2. **CONTRACT SUM:** City shall pay Contractor the sum of one million dollars ($1,000,000) as consideration for its performance of the Work in accordance with the terms and conditions set forth in the Contract Documents. Pursuant to Public Contract Code Section 22300, Contractor has the option to deposit securities with an escrow agent as a substitute for retention of earnings required to be withheld by City pursuant to an escrow agreement as set forth in Public Contract Code section 22300.

3. **TIME FOR COMPLETION:** The Work shall be completed within One Hundred (100) working day(s) as defined in Section 1-2 of the Standard Specifications for Public Works Construction "Greenbook" from and after the date of City's issuance of a Notice to Proceed to Contractor.

4. **LIQUIDATED DAMAGES:** Contractor's failure to complete the Work within the time allowed will result in damages being sustained by City. Such damages are, and will continue to be, impracticable and extremely difficult to determine. Accordingly, Contractor shall pay to City, or have withheld from monies due to Contractor, the sum of Five Hundred dollars ($500) for each working day as defined in Section 1-2 of the Standard Specifications for Public Works Construction "Greenbook" in excess of the specified time for completion of the Work. Execution of this Contract shall constitute agreement by City and Contractor that Five Hundred dollars ($500) per day is the estimated damage to City caused by the failure of Contractor to complete the work within the allowed time. Such sum is liquidated damages and shall not be construed as a penalty, and may be deducted from payments due Contractor if such delay occurs.

5. **CONTRACT DOCUMENTS:** This Contract incorporates by reference the following: Notice Inviting Bids, Instructions to Bidders, Contractor's Proposal, Bid Bond, Agreement, Performance Bond, Labor and Material Bond, Plans, General Conditions, Special Provisions and Specifications, and any addenda thereto (collectively, the "Contract Documents").

6. **ATTORNEYS' FEES:** In the event any action is commenced to enforce or interpret the terms or conditions of this Contract, or the Contract Documents, the prevailing Party in such action, in addition to any costs and other relief, shall be entitled to recover its reasonable attorneys' fees, including fees for use of in-house counsel by a Party.

7. **RESOLUTION OF CONSTRUCTION CLAIMS:** Claims by Contractor in the amount of three hundred seventy five thousand dollars ($375,000) or less shall be made by Contractor and processed

by the City pursuant to the provisions of Part 3, Chapter 1, Article 1.5 of the Public Contract Code (commencing with Section 20104). All claims shall be in writing and include the documents necessary to substantiate the claim. Nothing in subdivision (a) of Public Contract Code Section 20104.2 shall extend the time limit or supersede the notice requirements provided in this case from filing claims by Contractor.

8. **ELIGIBILITY OF CONTRACTOR/SUBCONTRACTOR:** Contractor and all of its subcontractors shall abide by California Public Contract Code, Section 6109, and California Labor Code Sections 1777.1 and/or 1777.7, and certify that they are not debarred and are eligible to work on this project.

9. **ASSIGNMENT OF AGREEMENT:** No assignment by a Party of any rights or interests under this Contract shall be binding on another Party without the written consent of the Party sought to be bound.

10. **SUCCESSORS AND ASSIGNS:** City and Contractor each binds itself and their respective successors and assigns in respect to all covenants, agreements, and obligations contained in the Contract Documents.

11. **SEVERABILITY:** Any provision or part of the Contract Documents held to be void or unenforceable under any law or regulation shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon City and Contractor.

IN WITNESS WHEREOF, the Parties hereto have executed this Contract the day and year first written above.

CITY OF REDLANDS

(SEAL)

By:_____
Eddie Tejeda, Mayor

ATTEST:

_____
Jeanne Donaldson, City Clerk

(SEAL)

TRYCO GENERAL ENGINEERING
Name of Contractor

By:_____
Signature of Authorized Agent

_____
Title

_____
Signature of Authorized Agent (if necessary)

_____
Title

960285
_____
Contractor's License No.

WORKER'S COMPENSATION INSURANCE CERTIFICATION

Description of Contract: City of Redlands
Municipal Utilities and Engineering Department
2023 Citywide Sidewalk and ADA Ramp Replacement Project
Project No. 400025

Every employer, except the State, shall secure the payment of compensation in one or more of the following ways:

a. By being insured against liability to pay compensation by one or more insurers duly authorized to write compensation insurance in this State.
b. By securing from the Director of Industrial Relations, a certificate of consent to self-insure, either as an individual employer, or as one employer in a group of employers, which may be given upon furnishing proof satisfactory to the Director of Industrial Relations of ability to self-insure and to pay any compensation that may become due to his or her employees.

CHECK ONE

_____I am aware of the provisions of Section 3700 of the Labor Code which requires every employer to be insured against liability for Workers' Compensation or to undertake self-insurance in accordance with the provisions of that Code, and I will comply with such provisions before commencing the performance of the work and activities required or permitted under this Agreement. (Labor Code §1861).

_____I affirm that at all times, in performing the work and activities required or permitted under this Agreement, I shall not employ any person in any manner such that I become subject to the workers' compensation laws of California. However, at any time, if I employ any person such that I become subject to the workers' compensation laws of California, immediately I shall provide the City with a certificate of consent to self-insure, or a certification of workers' compensation insurance.

I certify under penalty of perjury under the laws of the State of California that the information and representations made in this certificate are true and correct.

Dated this _____ day of _____, 2024.

TRYCO GENERAL ENGINEERING_____
(Contractor)

_____
(Signature)

_____
(Official Title)

(SEAL)

(Labor Code Section 1861 provides that the above certificate must be signed and filed by the Contractor with the Owner prior to performing the work of the contract.)

FAITHFUL PERFORMANCE BOND

Whereas, the City of Redlands ("City"), State of California, and Tryco General Engineering (hereinafter designated as "Principal") have entered into an agreement dated February 20, 2024 ("Agreement") whereby Principal agrees to install and complete certain public improvements (the "Work"), which said Agreement is identified as 2023 Citywide Sidewalk and ADA Ramp Replacement Project, Project No. 400025 and is hereby referred to and made a part hereof; and

Whereas, said Principal is required under the terms of the Agreement to furnish a bond for the faithful performance of the Work, now, therefore, we, the Principal and, _____, as Surety, are held and firmly bound unto the City in the penal sum of one million dollars ($1,000,000) lawful money of the United States, for the payment of which sum we bind ourselves, and our heirs, successors, executors and administrators, jointly and severally, firmly by these presents.

The condition of this obligation is such that if the above bounded Principal, his or its heirs, executors, administrators, successors or assigns, shall in all things stand to and abide by, and well and truly keep and perform the covenants, conditions and provisions in the Agreement and any alteration thereof made as therein provided, on his or its part, to be kept and performed at the time and in the manner therein specified, and in all respects according to their true intent and meaning, and shall faithfully fulfill the one-year guarantee of all materials and workmanship, and shall defend, indemnify and save harmless the City and its elected officials, officers, agents and employees, as therein stipulated, then this obligation shall become null and void; otherwise it shall be and remain in full force and effect.

As a part of the obligation secured hereby and in addition to the face amount specified therefor, there shall be included costs and reasonable expenses and fees, including reasonable attorneys' fees, incurred by the City in successfully enforcing such obligations, all to be taxed as costs and included in the judgment rendered.

As a condition precedent to the satisfactory completion of the Work, the above obligation shall hold good for a period of one (1) year or longer if required by the Agreement after the acceptance of the work by the City, during which time if the Principal shall fail to make full, complete, and satisfactory repair and replacements and totally protect the City from loss or damage made evident during this period from the date of completion of the Work, and resulting from or caused by defective materials or faulty workmanship, the above obligation in penal sum thereof shall remain in full force and effect. The obligations of Surety hereunder shall continue so long as any obligation of the Principal remains.

Whenever the Principal shall be, and is declared by the City to be, in default under the Agreement, the City having performed the City obligations thereunder, the Surety shall promptly remedy the default, or shall promptly, at the City's option:

1. Complete the Work in accordance with its terms and conditions; or

2. Obtain a bid or bids for completing the Work in accordance with its terms and conditions, and upon determination by Surety of the lowest responsive and responsible bidder, arrange for a contract between such bidder and the City, and make available as work progresses sufficient funds to pay the cost of completion of the Work less the balance of the Agreement price,

but not exceeding, including other costs and damages for which Surety may be liable hereunder, the amount set forth above. The term "balance of the Agreement price," as used in this paragraph, shall mean the total amount payable to the Principal by the City under the Agreement and any modifications thereto, less the amount previously properly paid by the City to the Principal.

Surety expressly agrees that the City may reject any contractor or subcontractor which may be proposed by Surety in fulfillment of its obligations in the event of default by the Principal.

Surety shall not utilize the Principal in completing the Work nor shall Surety accept a bid from the Principal for completion of the Work if the City, when declaring the Principal in default, notifies Surety of the City's objection to the Principal's further participation in the completion of the Work.

No right of action shall accrue on the bond to or for the use of any person or corporation other than the City named herein or the successors or assigns of the City. Any suit under this bond must be instituted within the applicable statute of limitations period.

The said Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Agreement or to the work to be performed thereunder or the Specifications accompanying the same shall in any way affect its obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the Agreement or to the work or to the specifications.

No final settlement between the City and the Principal shall abridge the right of any beneficiary hereunder whose claim may be unsatisfied.

The Principal and Surety agree that if the City is required to engage the services of any attorney in connection with the enforcement of this bond, each shall pay the City's reasonable attorneys' fees incurred, with or without suit, in addition to the above sum.

In witness whereof, this instrument has been duly executed by the Principal and Surety above named, on _____, 2024.

(SEAL)	(SEAL)
_____	_____
(Contractor)	(Surety)
_____	BY: _____
(Signature)	(Signature)
	Address: _____
	_____
(Seal and Notarial Acknowledgment of Surety)	Telephone ( )_____

LABOR AND MATERIAL BOND

Whereas, the City Council of the City of Redlands, State of California, and Tryco General Engineering (hereinafter designated as "Principal") have entered into an agreement (the "Agreement") whereby Principal agrees to install and complete certain designated public improvements (the "Work"), which said agreement, dated February 20, 2024, and identified as 2023 Citywide Sidewalk and ADA Ramp Replacement Project, Project No. 400025 is hereby referred to and made a part hereof; and

Whereas, under the terms of the Agreement, Principal is required before commencing the performance of the Work, to file a good and sufficient Labor and Material bond with the City of Redlands to secure the claims to which reference is made in Title 3 (commencing with Section 9550) of Part 6 of Division 4 of the Civil Code of the State of California.

Now, therefore, said Principal and the undersigned as corporate surety, are held firmly bound unto the City and all contractors, subcontractors, laborers, material men and other persons employed in the performance of the Agreement and referred to in the aforesaid Code of Civil Procedure in the sum of one million dollars ($1,000,000) for materials furnished or labor thereon of any kind, or for amounts due under the Unemployment Insurance Act with respect to such work or labor, that said surety will pay the same in an amount not exceeding the amount hereinabove set forth, and also in case suit is brought upon this bond, will pay, in addition to the face amount thereof, costs and reasonable expenses and fees, including reasonable attorneys' fees, incurred by the City in successfully enforcing such obligation, to be awarded and fixed by the court, and to be taxed as costs and to be included in the judgment therein rendered.

It is hereby expressly stipulated and agreed that this bond shall insure to the benefit of any and all persons, companies and corporations entitled to file claims under Title 3 (commencing with Section 9550) of Part 6 of Division 4 of the Civil Code, so as to give a right of action to them or their assigns in any suit brought upon this bond.

Should the condition of this bond be fully performed, then this obligation shall become null and void, otherwise it shall be and remain in full force and effect.

The surety hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Agreement or the specifications accompanying the same shall in any manner affect its obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition.

In witness whereof, this instrument has been duly executed by the Principal and surety above named, on _____, 2024.

(SEAL)	(SEAL)
_____	_____
(Contractor)	(Surety)
_____	BY: _____
(Signature)	(Signature)
	Address:_____
(Seal and Notarial Acknowledgement of Surety)	_____
	Telephone: ( )_____

CITY OF REDLANDS
OFFICE OF THE CITY CLERK
BID OPENING REPORT

The following bids were opened on the **10th day of January 2024 at 2:00 p.m.** on behalf of the Municipal Utilities and Engineering Department for **2023 Citywide Sidewalk and ADA Ramp Replacement Project**. The bid amounts have not been checked and are subject to correction after the bids have been completely reviewed.

No.	Plan Holder's Name	Bid Signed	Bid Bond	Addenda Acknowledged (N/A)	Total Bid Amount
1	Tryco General Engineering, Rimforest CA	Yes	Yes	N/A	$ 986,496.00
2	TTS Engineering, Stanton CA	Yes	Yes	N/A	$1,076,365.00
3	Towo Enterprise Inc., Fullerton CA	Yes	Yes	N/A	$1,095,797.75
4	Splice Construction Co., Inc., Laguna Nigal CA	Yes	Yes	N/A	$1,098,051.00
5	Martinez Concrete, Azusa CA	Yes	Yes	N/A	$1,384,342.00
6	Orange Blue General Contractors, Laguna Hills CA	Yes	Yes	N/A	$1,421,400.00
7	CT&T Concrete Paving Inc., Diamond Bar CA	Yes	Yes	N/A	$1,509,375.00
8	Aneen Construction, Inc., Riverside CA	Yes	Yes	N/A	$1,543,448.00
9	Three Peaks, Calimesa CA	Yes	Yes	N/A	$1,642,269.00
10	Onyx Paving Company Inc., Anaheim CA	Yes	Yes	N/A	$1,693,000.00
11	Gentry General Engineering, Colton CA	Yes	Yes	N/A	$1,883,520.00
12	EBS General Engineering Inc., Corona CA	Yes	Yes	N/A	$2,226,568.00
13	KNC Construction Inc., Apple Valley CA	Yes	Yes	N/A	$2,477,647.18

Jeanne Donaldson, City Clerk
City of Redlands, California

Emailed: Councilmembers,
City Manager, PIO, Press
Department Head: John Harris
Staff: Elva Arellanes; Goutam Dobey

ATTACHMENT "C"

CITY OF REDLANDS
MUNICIPAL UTILITIES & ENGINEERING DEPARTMENT
BID ANALYSIS

PROJECT NO. 400025
2023 Citywide Sidewalk and ADA Ramp Replacement Project

BID DATE: 10-Jan-2024
EST. START DATE: 4-Mar-2024

Item No.	Bid Item	Quantity	Unit	Tryco General Engineering		TTS Engineering Inc.		Towo Enterprise Inc.	
				Unit Price	Item Price	Unit Price	Item Price	Unit Price	Item Price
1	Mobilization (Maximum 5% of total bid price)	1	LS	$28,000.00	$28,000.00	$45,000.00	$45,000.00	$35,000.00	$35,000.00
2	Traffic and Pedestrian Control	1	LS	$8,000.00	$8,000.00	$6,000.00	$6,000.00	$15,000.00	$15,000.00
3	New 4" Thick PCC Sidewalk	14,325	SF	$8.00	$114,600.00	$10.64	$152,418.00	$7.50	$107,437.50
4	New 6" Thick PCC Sidewalk	180	SF	$15.00	$2,700.00	$30.00	$5,400.00	$9.50	$1,710.00
5	New 6" Thick PCC Driveway Approach	300	SF	$12.00	$3,600.00	$15.00	$4,500.00	$12.00	$3,600.00
6	Remove and Replace 4" Thick PCC Sidewalk	56,475	SF	$10.00	$564,750.00	$9.46	$534,253.50	$10.25	$578,868.75
7	Remove and Replace 6" Thick PCC Sidewalk	2,502	SF	$11.00	$27,522.00	$12.50	$31,275.00	$12.25	$30,649.50
8	Remove and Replace 6" Thick PCC Driveway	4,027	SF	$12.00	$48,324.00	$15.50	$62,418.50	$16.00	$64,432.00
9	Remove and Replace ADA Accessible Curb Ramp	47	EA	$4,000.00	$188,000.00	$4,800.00	$225,600.00	$5,300.00	$249,100.00
10	Demobilization	1	LS	$1,000.00	$1,000.00	$9,500.00	$9,500.00	$10,000.00	$10,000.00
	Last Minute Additions/Deductions				$0.00		$0.00		$0.00
	Total Bid Price				**$986,496.00**		**$1,076,365.00**		**$1,095,797.75**

License Status	Active	Active	Active
Sub's License Status	N/A	N/A	N/A
Bid Bond Company	The Gray Casualty & Surety Co	Travelers Casualty and Surety	Corepointe Insurance Company
Submitted Entire Bid Package	No	Yes	No
Submitted Sub's Qualification Statement	N/A	N/A	N/A
DIR Status	Active	Active	Active
Error in Bid	No	No	No

ATTACHMENT "C"

CITY OF REDLANDS
MUNICIPAL UTILITIES & ENGINEERING DEPARTMENT
BID ANALYSIS

PROJECT NO. 400025
2023 Citywide Sidewalk and ADA Ramp Replacement Projec

BID DATE: 10-Jan-2024
EST. START DATE: 4-Mar-2024

Item No.	Bid Item	Quantity	Unit	Splice Construction Co., Inc.		Martinez Concrete Inc.		OrangeBlue General Contractors	
				Unit Price	Item Price	Unit Price	Item Price	Unit Price	Item Price
1	Mobilization (Maximum 5% of total bid price)	1	LS	$52,704.00	$52,704.00	$65,000.00	$65,000.00	$65,000.00	$65,000.00
2	Traffic and Pedestrian Control	1	LS	$25,000.00	$25,000.00	$45,000.00	$45,000.00	$40,000.00	$40,000.00
3	New 4" Thick PCC Sidewalk	14,325	SF	$9.40	$134,655.00	$8.00	$114,600.00	$11.54	$165,310.50
4	New 6" Thick PCC Sidewalk	180	SF	$8.40	$1,512.00	$10.00	$1,800.00	$14.00	$2,520.00
5	New 6" Thick PCC Driveway Approach	300	SF	$8.40	$2,520.00	$13.00	$3,900.00	$17.00	$5,100.00
6	Remove and Replace 4" Thick PCC Sidewalk	56,475	SF	$9.40	$530,865.00	$12.00	$677,700.00	$16.00	$903,600.00
7	Remove and Replace 6" Thick PCC Sidewalk	2,502	SF	$20.00	$50,040.00	$16.00	$40,032.00	$18.50	$46,287.00
8	Remove and Replace 6" Thick PCC Driveway	4,027	SF	$15.00	$60,405.00	$30.00	$120,810.00	$21.50	$86,580.50
9	Remove and Replace ADA Accessible Curb Ramp	47	EA	$4,050.00	$190,350.00	$6,500.00	$305,500.00	$2,000.00	$94,000.00
10	Demobilization	1	LS	$50,000.00	$50,000.00	$10,000.00	$10,000.00	$15,000.00	$15,000.00
	Last Minute Additions/Deductions				$0.00		$0.00		$0.00
			Total Bid Price		**$1,098,051.00**		**$1,384,342.00**		**$1,423,398.00**

***Arithmetic Error**

CITY OF REDLANDS
MUNICIPAL UTILITIES & ENGINEERING DEPARTMENT
BID ANALYSIS

PROJECT NO. 400025
2023 Citywide Sidewalk and ADA Ramp Replacement Project

BID DATE: 10-Jan-2024
EST. START DATE: 4-Mar-2024

Item No.	Bid Item	Quantity	Unit	CT&T Concrete Paving Inc.		Aneen Construction, Inc.		Three Peaks Corp.	
				Unit Price	Item Price	Unit Price	Item Price	Unit Price	Item Price
1	Mobilization (Maximum 5% of total bid price)	1	LS	$30,000.00	$30,000.00	$73,000.00	$73,000.00	$80,000.00	$80,000.00
2	Traffic and Pedestrian Control	1	LS	$45,000.00	$45,000.00	$48,000.00	$48,000.00	$50,000.00	$50,000.00
3	New 4" Thick PCC Sidewalk	14,325	SF	$14.00	$200,550.00	$11.00	$157,575.00	$12.00	$171,900.00
4	New 6" Thick PCC Sidewalk	180	SF	$28.00	$5,040.00	$25.00	$4,500.00	$14.00	$2,520.00
5	New 6" Thick PCC Driveway Approach	300	SF	$32.00	$9,600.00	$20.00	$6,000.00	$14.00	$4,200.00
6	Remove and Replace 4" Thick PCC Sidewalk	56,475	SF	$13.00	$734,175.00	$16.00	$903,600.00	$16.00	$903,600.00
7	Remove and Replace 6" Thick PCC Sidewalk	2,502	SF	$12.00	$30,024.00	$18.00	$45,036.00	$18.00	$45,036.00
8	Remove and Replace 6" Thick PCC Driveway	4,027	SF	$18.00	$72,486.00	$20.00	$80,540.00	$19.00	$76,513.00
9	Remove and Replace ADA Accessible Curb Ramp	47	EA	$7,500.00	$352,500.00	$4,800.00	$225,600.00	$5,500.00	$258,500.00
10	Demobilization	1	LS	$30,000.00	$30,000.00	$100.00	$100.00	$50,000.00	$50,000.00
	Last Minute Additions/Deductions				$0.00		$0.00		$0.00
	Total Bid Price				**$1,509,375.00**		**$1,543,951.00**		**$1,642,269.00**

***Arithmetic Error**

ATTACHMENT "C"

CITY OF REDLANDS
MUNICIPAL UTILITIES & ENGINEERING DEPARTMENT
BID ANALYSIS

PROJECT NO. 400025
2023 Citywide Sidewalk and ADA Ramp Replacement Project

BID DATE: 10-Jan-2024
EST. START DATE: 4-Mar-2024

Item No.	Bid Item	Quantity	Unit	Onyx Paving Company, Inc.		Gentry General Engineering, Inc.		EBS General Engineering, Inc.	
				Unit Price	Item Price	Unit Price	Item Price		
1	Mobilization (Maximum 5% of total bid price)	1	LS	$54,102.00	$54,102.00	$54,500.00	$54,500.00	$111,000.00	$111,000.00
2	Traffic and Pedestrian Control	1	LS	$333,000.00	$333,000.00	$163,000.00	$163,000.00	$80,150.00	$80,150.00
3	New 4" Thick PCC Sidewalk	14,325	SF	$11.00	$157,575.00	$12.00	$171,900.00	$16.00	$229,200.00
4	New 6" Thick PCC Sidewalk	180	SF	$22.00	$3,960.00	$25.00	$4,500.00	$46.00	$8,280.00
5	New 6" Thick PCC Driveway Approach	300	SF	$22.00	$6,600.00	$36.00	$10,800.00	$29.00	$8,700.00
6	Remove and Replace 4" Thick PCC Sidewalk	56,475	SF	$11.00	$621,225.00	$13.00	$734,175.00	$17.00	$960,075.00
7	Remove and Replace 6" Thick PCC Sidewalk	2,502	SF	$22.00	$55,044.00	$27.00	$67,554.00	$26.00	$65,052.00
8	Remove and Replace 6" Thick PCC Driveway	4,027	SF	$22.00	$88,594.00	$33.00	$132,891.00	$28.00	$112,756.00
9	Remove and Replace ADA Accessible Curb Ramp	47	EA	$7,700.00	$361,900.00	$11,500.00	$540,500.00	$12,885.00	$605,595.00
10	Demobilization	1	LS	$11,000.00	$11,000.00	$3,700.00	$3,700.00	$45,760.00	$45,760.00
	Last Minute Additions/Deductions				$0.00		$0.00		$0.00
			Total Bid Price		**$1,693,000.00**		**$1,883,520.00**		**$2,226,568.00**

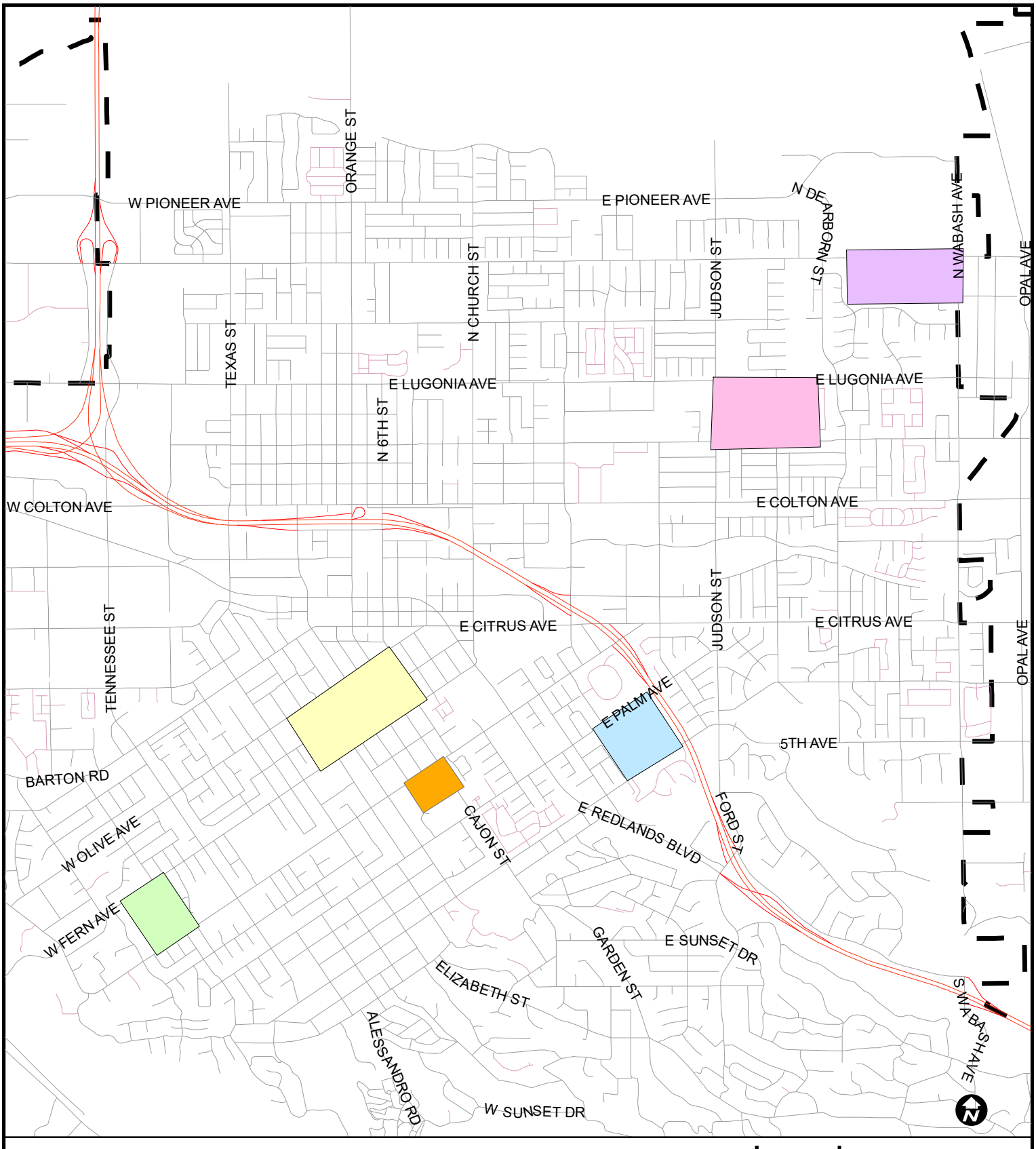
ATTACHMENT "C"

CITY OF REDLANDS
MUNICIPAL UTILITIES & ENGINEERING DEPARTMENT
BID ANALYSIS

PROJECT NO. 400025
2023 Citywide Sidewalk and ADA Ramp Replacement Project

BID DATE: 10-Jan-2024
EST. START DATE: 4-Mar-2024

Item No.	Bid Item	Quantity	Unit	KNC Construction Inc.					
				Unit Price	Item Price				
1	Mobilization (Maximum 5% of total bid price)	1	LS	$120,765.00	$120,765.00				
2	Traffic and Pedestrian Control	1	LS	$108,000.00	$108,000.00				
3	New 4" Thick PCC Sidewalk	14,325	SF	$25.56	$366,147.00				
4	New 6" Thick PCC Sidewalk	180	SF	$112.90	$20,322.00				
5	New 6" Thick PCC Driveway Approach	300	SF	$85.35	$25,605.00				
6	Remove and Replace 4" Thick PCC Sidewalk	56,475	SF	$17.10	$965,722.50				
7	Remove and Replace 6" Thick PCC Sidewalk	2,502	SF	$35.59	$89,046.18				
8	Remove and Replace 6" Thick PCC Driveway	4,027	SF	$38.50	$155,039.50				
9	Remove and Replace ADA Accessible Curb Ramp	47	EA	$11,000.00	$517,000.00				
10	Demobilization	1	LS	$110,000.00	$110,000.00				
	Last Minute Additions/Deductions				$0.00				
			Total Bid Price		**$2,477,647.18**		**$0.00**		**$0.00**



0 970 1,940 2,910 3,880 Feet

2023 Citywide Sidewalk and ADA Ramp Repair Project Location Map

Legend:

- Area A
- Area B
- Area C
- Area D
- Area E
- Area F

City of REDLANDS "A City That Works"

CITY OF REDLANDS
MUNICIPAL UTILITIES & ENGINEERING DEPARTMENT

Bid Proposal, Contract Documents and Specifications

For

2023 Citywide Sidewalk and ADA Ramp Replacement Project
Project No. 400025

RECYCLED PAPER

December 2023

CITY OF REDLANDS

MUNICIPAL UTILITIES & ENGINEERING DEPARTMENT

Bid Proposal, Contract Documents and Specifications

for

2023 Citywide Sidewalk and ADA Ramp Replacement Project
Project No. 400025

For use in conjunction with specifications entitled: "Standard Specifications for Public Works Construction (Greenbook)" 2021 Edition; "Standard Plans for Public Works Construction" 2021 Edition; Municipal Utilities and Engineering Department's Water Systems Standard Specifications and Sanitary Sewer System Standard Specifications, latest editions; and General Permit Conditions and Trench Specifications.

City Council:
Eddie Tejeda, Mayor
Paul T. Barich, Mayor Pro Tem
Denise Davis, Councilmember
Jenna Guzman-Lowery, Councilmember
Mario Saucedo, Councilmember

City Clerk:
Jeanne Donaldson, City Clerk

City Staff:
Charles M. Duggan Jr., City Manager

December 2023

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2023 Citywide Sidewalk and ADA Ramp Replacement Project
Project No. 400025

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NOTICE INVITING SEALED PROPOSALS (NIB)

For

2023 Citywide Sidewalk and ADA Ramp Replacement Project

Project No. 400025

NOTICE IS HEREBY GIVEN that the City Council of the City of Redlands invites all and will receive sealed Proposals (Bids) at the office of the City Clerk, City of Redlands, 35 Cajon Street, Suite 4, Redlands, CA 92373, on **January 10, 2024**, up to the hour of **2:00 p.m.,** at which time they will be opened and publicly read. Bids shall be marked: **BID FOR: 2023 Citywide Sidewalk and ADA Ramp Replacement Project, Project No. 400025.**

The City Council of the City of Redlands reserves the right to reject any and all Bids, to waive any irregularity, and award contracts in the best interests of the City.

The City of Redlands utilizes PlanetBids, a web based bid management service to manage request for bids. PlanetBids does not charge a fee to access and view current project 'Request for Bids"; however, they require potential contractors, subcontractors and suppliers to provide contact information in order to download files, receive addendum notifications and to receive automatic updates or revisions to projects. PlanetBids can be accessed through the City of Redlands website at http://www.cityofredlands.org/RFP.

Proposals (Bids) shall be executed on the separately bound forms included within the "Bid Submittal Package" in accordance with the instructions contained therein.

Bid security, in the form of a cashier's check, a certified check made to the order of the City of Redlands, or a Bidder's Bond, and in an amount not less than ten percent (10%) of the amount of the Bid is required to be submitted with each Bid. Said check or bond shall be given as a guarantee that the bidder will enter into contract with the City of Redlands if awarded the work, and will be declared forfeited if the selected bidder fails to enter into contract within fourteen (14) days after Notice of Award.

The Bidder to whom award is made will be required to furnish a Labor and Material Bond and a Faithful Performance Bond each in an amount of 100% of the Bid amount, from surety company satisfactory to the City of Redlands.

Pursuant to CA Labor Code Section 1770 et seq., the successful bidder shall pay not less than the prevailing rate of per diem wages as determined by the Director of the California Department of Industrial Relations. Copies of such prevailing rate of per diem wages are available at http://www.dir.ca.gov/OPRL/PWD/. Copies of the prevailing wage determination are also on file at the City of Redlands and shall be made available to any interested party upon request.

Pursuant to provisions of Section 22300 of the California Public Contract Code, the Contractor may substitute securities for any monies withheld by the City to ensure performance of the work.

Pursuant to the provisions of Section 3300 of the California Public Contract Code, Bidders shall be licensed as "Class A" and provide their California State Contractor's License numbers to the City. In addition, no contractor or subcontractor may be listed on a bid proposal for a public works project (submitted on or after March 1, 2015) unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5 [with limited exceptions from this requirement for bid purposes only under Labor Code section 1771.1(a)]. No contractor or subcontractor may be awarded a contract for public work on a public works project (awarded on or after April 1, 2015) unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5. This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

All terms and conditions contained in the Contract Documents including the Instructions to Bidders shall become a part of the Contract. No Bidder may withdraw their Bid for a period of sixty (60) days after the time of Bid Opening.

All questions related to this project shall be directed to Elva Arellanes, Project Manager, at 909-798-7584 Ext 9. It shall be understood, however, that no specification interpretations will be made by telephone, nor will any products be considered for approval prior to award of the Contract. Changes, if any, will be made by addendum prior to opening of Bids.

BY ORDER OF THE CITY COUNCIL OF THE CITY OF REDLANDS, SAN BERNARDINO COUNTY, CALIFORNIA.

Jeanne Donaldson
City Clerk, City of Redlands
San Bernardino County, California

BID DOCUMENTS
(BD)

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INSTRUCTIONS TO BIDDERS
For
2023 Citywide Sidewalk and ADA Ramp Replacement Project
Project No. 400025

Bids to receive consideration shall be made in accordance with the following instructions:

1. PROPOSALS:

a. Bids shall be made upon the form of proposal furnished by the City. All Bids shall be properly executed with all items filled in; the signatures of all persons signing shall be in longhand. If the unit price and the total amount named by a Bidder for any item are not in agreement, the unit price shall be considered as representing the Bidder's intention, and the totals may be corrected by the Engineer to conform thereto. If the sum of the individual bid item's and the total amount named by a Bidder are not in agreement, the sum of the bid item's shall be considered as representing the Bidder's intention, and the totals may be corrected by the Engineer to conform thereto. If the total price written in words and the total price written in figures are not in agreement, then the total price written in words will be considered as representing the Bidder's intention, and the totals will be corrected by the Engineer to conform thereto.

b. Proposals may be rejected if they show any alterations of form, additions not called for, conditional or alternative bids, incomplete Bids, erasures, or irregularities of any kind. Mistakes shall be lined through and the correct amount written above and initialed by the authorized agent of the Bidder.

c. Bids shall be accompanied by a cashier's or a certified check or Bidder's admitted corporate surety bond, in an amount not less than ten percent (10%) of the bid, made payable to the City of Redlands. Said check or bond shall be given as a guarantee that the Bidder will enter into a contract if awarded the work. In the case of refusal or failure to enter into said Contract, within fourteen (14) days after Notice of Award by the City in writing, the security shall be applied by the City to the difference between such bid and next lowest acceptable bid and surplus, if any, shall be returned to Bidder if cash or check is used, or to Surety if bid bond is used.

d. Before submitting a bid, Bidders shall carefully examine the Plans; read the Specifications; read all other Contract documents; shall visit the site of the work; shall fully inform themselves as to all existing conditions and limitations; and include in the bid a sum to cover the cost of all items included in the Contract. No allowance will be made due to lack of examination or knowledge. The submission of a bid shall be conclusive evidence that the bidder has investigated and is satisfied as to the conditions to be encountered as to character, quality and scope of work to be performed; the quantities of materials to be furnished; and as to the requirements of the Bid Proposal, plans and specifications.

e. Pursuant to CA Labor Code Section 1770 et seq., the successful bidder shall pay not less than the prevailing rate of per diem wages as determined by the Director of the California Department of Industrial Relations. Copies of such prevailing rate of per diem wages are available at http://www.dir.ca.gov/OPRL/PWD/. Copies of the prevailing wage determination are also on file at the City of Redlands and shall be made available to any interested party upon request.

f. The bid must be submitted on or before the date and time specified in the Notice Inviting Sealed Proposals (Bids). The bid shall be submitted in a sealed envelope marked in the lower left corner as follows:

BID FOR: 2023 Citywide Sidewalk and ADA Ramp Replacement Project, Project No. 400025

g. Bids will be opened and publicly read aloud at the time set in the Notice Inviting Sealed Proposals (Bids), in the Office of the City Clerk, Civic Center, 35 Cajon Street, Suite 4, Redlands, California.

2. AGREEMENT AND BONDS:

The form of Contract which the successful Bidder, as Contractor, will be required to execute is included in the Contract Documents (CD) of these specifications and should be carefully examined by the Bidder. The Agreement, admitted Corporate Surety Bonds and other documents to be executed by the Contractor shall be executed in original-duplicates stamped according to law, one of which original-duplicates shall be filed with the City Clerk of the City of Redlands. The successful Bidder, simultaneously with the execution of the Agreement, will be required to furnish a faithful performance bond and a labor and material bond, each in an amount equal to one hundred percent (100%) of the Contract price. Said bonds shall provide that if the Contractor or their Subcontractor fails to pay for any materials, provision, provender or other supplies or items used in, upon, for or about the performance of the work contracted to be done, or for any work of labor thereon of any kind, or for amounts due under the Unemployment Insurance Act or Workman's Compensation, with respect to such work or labor, that the surety or sureties will pay for the same. The amount shall not exceed the sum specified in the bond, and also, in case suit is brought upon the bond, a reasonable attorney's fee to be fixed by the court. All bonds shall be secured from surety companies satisfactory to the City of Redlands and whose name is on file with the County Clerk of San Bernardino County, as an approved and financially sound surety company authorized to transact business in this state.

3. WITHDRAWAL OF BIDS:

a. Any Bidder may withdraw his Bid, only by written request, at any time prior to the scheduled time for Bid Opening.

b. No Bidder may withdraw his Bid for a period of sixty (60) days after the time of Bid Opening except as allowed by the California Public Contract Code.

4. INSURANCE AND HOLD HARMLESS REQUIREMENTS:

Before entering into a Contract, the Bidder to whom the Contract has been awarded shall furnish satisfactory evidence that they have secured all required insurance from a responsible insurance company authorized to do business in California and satisfactory to the City, and such insurance shall be maintained in full force and effect at the Contractor's own expense during the life of the Contract. Contractor shall furnish the City with the customary Certificates of Insurance for all required insurance listed below. General Liability Insurance shall name the City and the Consultant, as an additional insured and shall be primary and non-contributing to any insurance or self-insurance maintained by the City. All liability insurance policies shall bear an endorsement or shall have attached a rider whereby it is provided that, in the event of expiration or proposed cancellation of such policies for any reason whatsoever, the City shall be notified by registered mail, return receipt requested, giving sufficient time before the date thereof to comply with any applicable law or statute, but in no event less than forty five (45) days before expiration or cancellation is effective.

The coverage shall provide the following minimum limits based on the type of work proposed under this Contract. The Contractor shall determine if the proposed work requires Tier 1 or Tier 2 Insurance Requirements as follows:

CONTRACTED OPERATIONS DESIGNATED AS TIER 1		
Air Conditioning (HVAC) Systems (installation)	Electric Light or Power Line Construction	Pipeline Construction
Airport Runways (paving, repaving, etc.)	Elevator Work	Roofing
Blasting Operations	Excavation	Sandblasting
Bridge or Elevated Highway Construction	Fire Suppression Systems (installation)	Sewer and Water Main Construction
Buildings Structural Work (including elevators)	Gas Mains or Connections Construction	Sign Erection (streets)
Building Structure (raising or moving)	Geophysical Exploration	Solar Energy
Cable Installation in Conduits and Conduit Construction (streets)	Grading of Land	Street Cleaning
Caisson or Cofferdam Work	Hazardous Materials Contractors	Street or Road Construction
Dam or Reservoir Construction	Irrigation or Drainage Construction	Tank Construction, Installation, Erection or Repair
Demolition (structures)	Landscape Construction (street or street medians)	Telephone or Cable Line Construction
Drilling	Painting (exterior greater than single story)	Tree Pruning, Dusting, Spraying or Removal

TIER 1 DESIGNATED INSURANCE REQUIREMENTS

a. Commercial General Liability
   - $1 Million Per Occurrence/ $2 Million Aggregate
     - City listed as an Additional Insured on the coverage
     - Coverage is primary and non-contributory
     - If scope of work is within 50 feet of any railroad, endorsement citing inclusion of liability associated with this work is required
     - If any policy forms of endorsements are cited to grant extension of coverage, they must be included with the Certificate of Insurance submission

b. Business Auto Liability
   - $1 Million Combined Single Limit
     - City listed as an Additional Insured on the coverage
     - Must include liability arising from all owned, leased, hired, and non-owned autos
     - If any policy forms of endorsements are cited to grant extension of coverage, they must be included with the Certificate of Insurance submission
   - If Contractor or its subcontractors or suppliers haul hazardous material (including, without limitation, waste), Auto Liability insurance must be applicable to all hazardous waste hauling vehicles, and include MCS 90 and CA9948 Endorsements.

c. Commercial Umbrella/ Excess Liability
   - $5 Million Per Occurrence/ Aggregate
     - City listed as an Additional Insured on the coverage
     - Coverage is primary and non-contributory
     - If any policy forms of endorsements are cited to grant extension of coverage, they must be included with the Certificate of Insurance submission

d. Workers Compensation
   - $1 Million Per Occurrence for Bodily Injury by Accident
   - $1 Million Each Employee for Bodily Injury by Disease
   - $1 Million Policy Limit for Bodily Injury by Accident
     - Waiver of Subrogation in favor of City
     - If any policy forms of endorsements are cited to grant extension of coverage, they must be included with the Certificate of Insurance submission

e. Pollution Policy (Hazardous Materials) [If Applicable]
   - Required of Projects that involve Demolition and/or Excavation Activities
   - $1 Million Per Occurrence/ $2 Million Aggregate
   - City listed as an Additional Insured on the coverage

CONTRACTED OPERATIONS DESIGNATED AS TIER 2		
Air Conditioning (HVAC) Systems (service and repair)	Carpentry (building interiors)	Fire Suppression Systems (service and repair)
Alarms and Alarm Systems	Communications Equipment Installation (interior)	Landscape Construction
Building Interior Work (service, repair and non-structural remodeling)	Driveway, Parking Area or Sidewalk (paving or repaving)	Painting (exterior)
Cable Installation in Conduits (buildings)	Fence Erection	All Other Job Types including Vendors

TIER 2 DESIGNATED INSURANCE REQUIREMENTS

a. Commercial General Liability
   - $1 Million Per Occurrence/ $2 Million Aggregate
     - City listed as an Additional Insured on the coverage
     - Coverage is primary and non-contributory
     - If scope of work is within 50 feet of any railroad, endorsement citing inclusion of liability associated with this work is required
     - If any policy forms of endorsements are cited to grant extension of coverage, they must be included with the Certificate of Insurance submission

b. Business Auto Liability
   - $1 Million Combined Single Limit
     - City listed as an Additional Insured on the coverage
     - Must include liability arising from all owned, leased, hired, and non-owned autos
     - If any policy forms of endorsements are cited to grant extension of coverage, they must be included with the Certificate of Insurance submission
   - If Contractor or its subcontractors or suppliers haul hazardous material (including, without limitation, waste), Auto Liability insurance must be applicable to all hazardous waste hauling vehicles, and include MCS 90 and CA9948 Endorsements.

c. Workers Compensation
   - $1 Million Per Occurrence for Bodily Injury by Accident
   - $1 Million Each Employee for Bodily Injury by Disease
   - $1 Million Policy Limit for Bodily Injury by Accident
     - Waiver of Subrogation in favor of City
     - If any policy forms of endorsements are cited to grant extension of coverage, they must be included with the Certificate of Insurance submission

d. Pollution Policy (Hazardous Materials) [If Applicable]
   - Required of Projects that involve Demolition and/or Excavation Activities
   - $1 Million Per Occurrence/ $2 Million Aggregate
   - City listed as an Additional Insured on the coverage

Contractor expressly waives all rights to subrogation against the City, its officers, employees and volunteers for losses arising from work performed by Contractor for City by expressly waiving Contractor's immunity for injuries to Contractor's employees and agrees that the obligation to indemnify, defend and hold harmless provided for in this Agreement extend to any claim brought by or on behalf of any employee of Contractor. This waiver is mutually negotiated by the parties. This shall not apply to any damage resulting from the sole negligence of City, its agents and employees. To the extent any of the damages referenced herein were caused by or resulted from the concurrent negligence of City, its agents or employees, the obligations provided herein to indemnify, defend and hold harmless are valid and enforceable only to the extent of the negligence of contractor, its officers, agents and employees.

Subcontractors. The prime contractor shall include all subcontractors as insureds under its policies or shall furnish separate certificates and endorsements from each subcontractor.

The Contractor shall not assign or sublet the contract, in whole or in part, without the written consent of the City, nor shall the contractor assign any monies due to, or to become due to, Contractor hereunder without prior written consent of the City.

The Contractor shall be fully responsible to the City for the acts and omissions of the subcontractor and persons either directly or indirectly employed by the Contractor. Consent to subcontracting part of the work shall, in no way, release the Contractor from responsibility for performance of the work, and Contractor will be held, in all respects, accountable for the same as if no consent had been given. The Contractor shall give personal attention to this work which is sublet. Nothing contained in the contract documents shall create any contractual relation between any subcontractor and the City.

Hold Harmless and Indemnification. Contractor shall indemnify, hold harmless and defend City and its elected officials, agents and employees and the Consultant from and against any and all claims, losses or liability, including attorney's fees, arising from injury or death to persons or damage to property occasioned by any act, omission or failure to act of Contractor, its subcontractors, and any officers, agents and employees in performing the work required by this Agreement. Contractor's obligations under this provision shall not be limited in any way by any terms of this Agreement, or the insurance limits.

5. LICENSES AND PERMITS:

No bid will be accepted from a Contractor who is not licensed in accordance with the law under the provisions of Division III, Chapter 9 of the Business and Professions Code of the State of California.

The Contractor shall, at the time of bid opening, possess a valid "Class A" Contractor's license, and provide its California State Contractor's License number to the City.

All subcontractors listed at the time of bid opening shall possess a valid Contractor's license for the work in which they are specified to complete within the Bid Submittal Package.

The Contractor shall, prior to Notice to Proceed, procure all other permits and licenses as stipulated in the GENERAL CONDITIONS.

In addition, no contractor or subcontractor may be listed on a bid proposal for a public works project (submitted on or after March 1, 2015 or awarded on or after April 1, 2015) unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5. Contractors shall submit proof of registration status with their bid submission to the City of Redlands. This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

6. SUBSTITUTION OF SECURITIES:

In accordance with applicable provisions of State law, the Contractor will be permitted to substitute qualified securities in lieu of retention of withheld progress payments by the Owner.

7. SUBCONTRACTORS:

Pursuant to Section 4105 of the California Public Contract Code, the bidder may not circumvent the requirement to list subcontractors by the device of listing one subcontractor, who in turn sublets portions constituting a majority of the work covered by the contract.

A. Pursuant to California Government Code section 4106, subcontractors who will perform work or labor or render services in an amount in excess of one-half of one percent of the Contractor's total bid shall be set forth in a list of subcontractors within the bid documents. Such list shall be accompanied by an experienced statement with pertinent information regarding similar projects and other evidence of qualifications for each such subcontractor, supplier, individual, or entity if requested by City. If City or engineer, after doing an investigation, has reasonable objection to any proposed subcontractor, supplier, individual, or entity, City may, before the notice of award is given, request the apparent successful bidder to submit a substitute, without an increase in the bid.

B. If the apparent successful bidder declines to make any such substitution, City may award the contract to the next lowest bidder that proposes to use acceptable subcontractors, suppliers, individuals, or entities declining to make the request and substitutions will not constitute grounds for forfeiture of the bid security of any bidder. Any subcontractor, supplier, individual or entity so listed and against which City makes no written objection prior to the giving of the notice of award will be deemed acceptable by City subject to verification of such assessments after the effective date of the agreement as provided herein.

8. NON DEBARRED CONTRACTORS AND SUBCONTRACTORS

The Contractor and all of its subcontractors shall, at the time of bid opening and for performance of this public works contract, be non-debarred contractors and not be ineligible Contractors pursuant to Public Contract Code section 6109 and Labor Code sections 1777.1 and 1777.7.

9. LABOR LAW REQUIREMENTS

Prior to the start of construction, the Contractor and each subcontractor shall submit to the

City an executed Checklist of Labor Law Requirements, included within Appendix A, certifying that each Contractor and Subcontractor will comply with the foregoing Labor Law requirements; and fully understands that failure to comply with these requirements will subject it to the penalties cited herein.

By submitting a bid, the prime contractor and subcontractors involved in this project assure that they intend to comply with the labor law requirements noted within Appendix A, fully understanding that failure to comply may subject them to penalties as noted.

10. BID PROTEST PROCEDURES

Any bid protest must be in writing and received by the City Clerk's Office at 35 Cajon Street, Suite 4, Redlands, CA 92373, before 5:00 p.m. no later than two working days following the bid opening (the "Bid Protest Deadline") and must comply with the following requirements:

10.1 General. Only a bidder who has actually submitted a Bid Proposal is eligible to submit a bid protest against another bidder. Subcontractors are not eligible to submit bid protests. A bidder may not rely on the bid protest submitted by another bidder, but must timely pursue its own protest. If required by City, the protesting bidder must submit a non-refundable fee in the amount specified by City, based upon City's reasonable costs to administer the bid protest. Any such fee must be submitted to City no later than the Bid Protest Deadline, unless otherwise specified. For purposes of this Section, a "working day" means a day that City is open for normal business, and excludes weekends and holidays as observed by the City.

10.2 Protest Contents. The bid protest must contain a complete statement of the basis for the protest and all supporting documentation. Material submitted after the Bid Protest Deadline will not be considered. The protest must refer to the specific portion or portions of the Contract Documents upon which the protest is based. The protest must include the name, address, email address, and telephone number of the person representing the protesting bidder if different from the protesting bidder.

10.3 Copy to Protested Bidder. A copy of the protest and all supporting documents must be concurrently transmitted by fax or by email, by or before the Bid Protest Deadline, to the protested bidder and any other bidder who has a reasonable prospect of receiving an award depending on the outcome of the protest.

10.4 Response to Protest. The protested bidder may submit a written response to the protest, provided the response is received by the City Clerk's Office before 5:00 p.m., within two working days after the Bid Protest Deadline or after actual receipt of the bid protest, whichever is sooner (the "Response Deadline"). The response must include all supporting documentation. Material submitted after the Response Deadline will not be considered. The response must include the name, address, email address, and telephone number of the person representing the protested bidder if different from the protested bidder.

10.5 Copy of Protesting Bidder. A copy of the response and all supporting documents must be concurrently transmitted by fax or by email, by or before the Bid Protest Deadline,

to the protesting bidder and any other bidder who has a reasonable prospect of receiving an award depending upon the outcome of the protest.

10.6 Exclusive Remedy. The procedure and time limits set forth in this section are mandatory and are the bidder's sole and exclusive remedy in the event of a bid protest. A bidder's failure to comply with these procedures will constitute a waiver of any right to further pursue a bid protest, including filing a Government Code Claim or initiation of legal proceedings.

10.7 Right to Award. The City Council reserves the right to award the Contract to the bidder it has determined to be the responsible bidder submitting the lowest responsive bid, and to issue a notice to proceed with the Contract notwithstanding any pending or continuing challenge to its determination.

PROPOSAL

TO: THE CITY OF REDLANDS, SAN BERNARDINO COUNTY, CALIFORNIA herein called the "City".

Pursuant to and in compliance with your Notice Inviting Bids, and the other documents relating thereto, the undersigned Bidder, having familiarized themselves with the terms of the Contract, the local conditions affecting the performance of the Contract and the cost of the work at the place where the work is to be done, and with the plans thereto, hereby proposes and agrees to perform within the time stipulated, the Contract, including all of its component parts and everything required to be performed, and to provide and furnish any and all of the labor, materials, tools, equipment and all utility and transportation services necessary to perform the contract, and complete in a workmanlike manner, all of the work covered by the contract in connection with the City's Project identified as

2023 Citywide Sidewalk and ADA Ramp Replacement Project
Project No. 400025

NOTE: Bidders must bid each item in this schedule. All entries in the entire PROPOSAL must be made clearly and in ink. Mistakes shall be lined through and the correct amount written above and initialed by the authorized agent of the Bidder.

BID SCHEDULE

(See "Section 01200 – Measurement and Payment" for Bid Item description)

Item No.	Brief Description	Estimated Quantity	Unit Price (If Applicable)	Total Price in Figures
1	Mobilization (Maximum 5% of Total Bid Price)	LUMP SUM	N/A	$_____
2	Traffic and Pedestrian Control	LUMP SUM	N/A	$_____
3	New 4" Thick PCC Sidewalk	14,325 SF	$_____/SF	$_____
4	New 6" Thick PCC Sidewalk	180 SF	$_____/SF	$_____
5	New 6" Thick PCC Driveway Approach	300 SF	$_____/SF	$_____
6	Remove and Replace 4" Thick PCC Sidewalk	56,475 SF	$_____/SF	$_____
7	Remove and Replace 6" Thick PCC Sidewalk	2,502 SF	$_____/SF	$_____

BID SCHEDULE

(See "Section 01200 – Measurement and Payment" for Bid Item description)

Item No.	Brief Description	Estimated Quantity	Unit Price (If Applicable)	Total Price in Figures
8	Remove and Replace 6" Thick PCC Driveway Approach	4,027 SF	$_____/SF	$_____
9	Remove and Replace ADA Accessible Curb Ramp	47 EA	$_____/EA	$_____
10	Demobilization	LUMP SUM	N/A	$_____
			BID SCHEDULE PRICE	**$_____**

Last Minute Additions/Deductions*_____ Bid Item No._____

Last Minute Additions/Deductions*_____ Bid Item No._____

Last Minute Additions/Deductions*_____ Bid Item No._____

BID SCHEDULE TOTAL PRICE: $_____

BID SCHEDULE TOTAL PRICE WRITTEN IN WORDS: _____

_____

_____

* Provision is made here for the Bidder to include an addition or deduction in its bid, if it wishes, to reflect any last-minute adjustments in prices. The addition or deduction, if made, will be proportionately applied to the Progress Payments total for the respective item in the Schedule of Prices, the amount being added or deducted for each monthly payment. The unit prices entered in the Schedule of Prices will not be affected.

LOW BID DETERMINATION:

The low bid will be determined pursuant to Public Contract Code Section 20103.8 as the lowest bid price on the Bid Schedule Total Price on page BD 11. A responsible bidder who submits the lowest bid as determined by the above method shall be awarded the contract, if it is awarded, by the City Council of the City of Redlands.

ADDENDA

Receipt of the following addenda is hereby acknowledged and the same is included in the Bid Price:

Addendum #1_____ (initials) Addendum #2_____ (initials) Addendum #3_____ (initials)

Addendum #4_____ (initials) Addendum #5_____ (initials) Addendum #6_____ (initials)

ATTEST: (if Corporation)

(Corporation Seal)

_____ _____

Company Name Signature

_____ _____

Address Name

_____ _____

City, State, Zip Title

BID CERTIFICATION

The undersigned certifies that they are familiar with the various State and local laws affecting labor, length of working days, employer's liabilities, Sunday work, alien labor, domestic materials, Subcontractors, etc.

It is understood and agreed that the work under the contract will be commenced by the undersigned Bidder, if awarded the contract, within ten (10) calendar days from the date in the Notice to Proceed and will be completed by the Contractor in the time set forth in the **CONTRACT**.

Enclosed find Bidders bond or certified or cashier's check No. _____ on the _____ Bank, in the amount of _____ _____ which is not less than ten percent (10%) of the Bid submitted by the undersigned, made payable to the City of Redlands, California and which is given as a guarantee that the Bidder agrees that in case of their default in executing said contract with necessary bonds, the bond or check accompanying this Bid and the money made payable shall become and remain the property of the City of Redlands.

It is understood and agreed that the City of Redlands has the right to waive defects or irregularities and to accept or reject any or all Bids. No Bidder may withdraw their Bid for a period of sixty (60) days after the time of the Bid Opening except as allowed by the California Public Contract Code.

The following information, required by State law under penalty of perjury, is true and correct. Failure to complete this information renders the bid non-responsive, and the bid must be rejected.

_____	_____
Company Name	Signature
_____	_____
Address	Signatory's Title
_____	_____
City, State, Zip	State License Number and Class
_____	_____
Telephone Number	License Expiration Date

Dated this _____ day of _____, 20___.

BID BOND

KNOW ALL PERSONS BY THESE PRESENTS,

That _____ as Principal, and _____ as Surety, are held and firmly bound unto the City of Redlands, hereinafter called City, in the sum of _____ dollars, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

WHEREAS, said Principal has submitted a bid to said City to perform all work required under the Project No. 400025.

NOW, THEREFORE, if said Principal is awarded a contract by said City and, within the time and in the manner required under the heading "Instructions to Bidders" bound with said Specifications, enters into a written contract on the form of agreement bound with said Specifications and furnishes the required bonds, one to guarantee faithful performance and the other to guarantee payment for labor and materials; then this obligations shall be null and void, otherwise it shall remain in full force and effect. In the event suit is brought upon this bond by said City and Judgment is recovered, said Surety shall pay all costs incurred by said City in such suit, including a reasonable attorney's fee to be fixed by the court.

SIGNED AND SEALED, this _____ day of _____, 20____.

_____**(SEAL)**
(Principal)

By:_____
(Signature)

_____**(SEAL)**
(Surety)

By:_____
(Signature)

Address:_____

_____

Telephone (___)_____

(Seal and Notarial Acknowledgment of Surety)

STATEMENT BY BIDDER
NON-COLLUSION AFFIDAVIT

STATE OF)
) ss
COUNTY OF)

_____, being first duly sworn, deposes and says that

he is
(Sole Owner, a Partner, President, Secretary, etc.)

of
(Contractor)

the party making the foregoing bid on Project No. 400025 that such bid is not made in the interest of or on behalf of any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the Bidder has not directly or indirectly induced or solicited any other Bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any Bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the Bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the Bidder or of any other Bidder or to fix any overhead, profit, or cost element of the bid price or of that of another bidder, or to secure any advantage against the public body awarding the Contract of anyone interested in the proposed contract; that all statements contained in such bid are true; and further, that the Bidder has not directly or indirectly, submitted his bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company, association organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

By: _____ Title: _____

Subscribed and sworn to before me this _____ day of _____, 20___.

Signature of Officer Administering Oath
(Notary Public)

STATEMENT BY BIDDER
OFFICERS OF CORPORATION (Members of Firm)

The names of all persons interested in the foregoing proposals as principals, are as follows: (IMPORTANT NOTICE - if Bidder or other interested person is a corporation, state legal name of corporation, also names of the president, secretary, treasurer and manager thereof; if a co-partnership, state true name of firm, also names of all individual co-partners composing firm; if Bidder or other interested person is an individual, state first and last names in full).

_____ _____

_____ _____

_____ _____

Licensed in accordance with an act providing for the Registration of Contractors, License

No. _____.

Signature of Bidder _____ Dated_____

NOTE: If Bidder is a corporation, the legal name of the corporation shall be set forth above, together with the signature of the officer(s) authorized to sign contracts on behalf of the corporation; if Bidder is a co-partnership, the true name of the firm shall be set forth above, together with the signature of the partner or partners authorized to sign contracts in behalf of the co-partnership, and if the Bidder is an individual, that signature shall be placed above.

STATEMENT BY BIDDER
SUB-CONTRACTORS LIST

Bidder supplies the following information for any Subcontractor who will perform work or labor or render services to the prime contractor, etc. to be used on Project No. 400025, all in accordance with Section 4104 of the California Public Contract Code.

LICENSED SUBCONTRACTOR'S NAME AND BUSINESS ADDRESS	LICENSE #	SPECIFIC DESCRIPTION OF SUBCONTRACT & BID ITEM #	% OF BID ITEM TO BE PERFORMED

STATEMENT BY BIDDER
QUALIFICATION AND EXPERIENCE STATEMENT

The following outline is a record of the undersigned Bidder's experience in construction of three (3) projects of a type similar in magnitude and character to that contemplated under Project No. 400025 within the past two years. Include the location of each project as well as the name, address, and phone number of the owner, and name of individual to contact.

Subcontractors performing in excess of one half of one percent of the prime Contractor's total bid, or in the construction of streets or highways, one half of one percent of the prime contractor's total bid or ten thousand dollars ($10,000), whichever is greater shall provide a similar outline. Additional pages outlining this portion of the Bid may be attached. Failure to provide this statement may result in rejection of the bid by the City of Redlands.

1. Owner's Name: _____

   Contact Person: _____ Phone: (___) _____

   Address of Owner: _____

   Project Description: _____

   _____

   Amount of Contract: _____ Completion Date: _____

2. Owner's Name: _____

   Contact Person: _____ Phone: (___) _____

   Address of Owner: _____

   Project Description: _____

   _____

   Amount of Contract: _____ Completion Date: _____

3. Owner's Name: _____

   Contact Person: _____ Phone: (___) _____

   Address of Owner: _____

   Project Description: _____

   _____

   Amount of Contract: _____ Completion Date: _____

STATEMENT BY BIDDER
GENERAL INFORMATION

1. Bidder's Mailing Address _____

   _____

2. Number of years engaged in the contracting business under your present firm or trade name:

   _____

3. Have you ever failed to complete any work awarded to you? (Yes or No) _____. If yes, provide details in the space provided in Item 10.

4. Have you ever defaulted on a contract? (Yes or No) _____. If yes, provide details in the space provided in Item 10.

5. Have you ever been a party to a lawsuit or gone to arbitration during the last 5 years? (Yes or No) _____. If yes, provide details in the space provided in Item 10.

6. Has any Stop Notice been filed against you during the last 5 years? (Yes or No) ___. If yes, provide details in the space provided in Item 10.

7. Has your contractor's license ever been suspended, revoked, or subject to disciplinary action? (Yes or No) _____. If yes, provide details in the space provided in Item 10.

8. Contracts currently on hand:

Agency Name	Amount of Contract	Start Date	Completion Date

9. Enter the name of person(s) who inspected the site of the proposed work for your firm and the date of said site inspection.

   Name:_____ Date:_____

10. In the space provided, the Bidder shall provide details concerning any "Yes" answers provided in this "General Information" section. Details shall include, but not be limited to, the nature of dispute, name of the agency involved and the final outcome. If requested by the City, the Bidder shall supply additional information, sufficiently detailed, to permit evaluation of the Bidder's ability to perform the work.

Question Number	Details

CONTRACT DOCUMENTS
(CD)

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PUBLIC WORKS CONSTRUCTION CONTRACT

PUBLIC WORK CONSTRUCTION CONTRACT

This Public Work Construction contract ("Contract") is made and entered into this 20th day of February, 2024, by and between the City of Redlands, a municipal corporation, organized and existing under the laws of the State of California (hereinafter "City"), and _____ (hereinafter "Contractor"). City and Contractor are sometimes individually referred to herein as a "Party" and, together, as the "Parties."

In consideration of the mutual promises contained herein, City and Contractor agree as follows:

1. **SCOPE OF WORK:** Contractor shall furnish all materials and will perform all of the work for the following: **2023 Citywide Sidewalk and ADA Ramp Replacement Project**, complete all items as required by the Contract Documents (as herein defined) and Specifications for City's **2023 Citywide Sidewalk and ADA Ramp Replacement, Project No. 400025** (the "Work").

2. **CONTRACT SUM:** City shall pay Contractor the sum of _____ dollars ($_____) as consideration for its performance of the Work in accordance with the terms and conditions set forth in the Contract Documents. Pursuant to Public Contract Code Section 22300, Contractor has the option to deposit securities with an escrow agent as a substitute for retention of earnings required to be withheld by City pursuant to an escrow agreement as set forth in Public Contract Code section 22300.

3. **TIME FOR COMPLETION:** The Work shall be completed within One Hundred (100) working day(s) as defined in Section 1-2 of the Standard Specifications for Public Works Construction "Greenbook" from and after the date of City's issuance of a Notice to Proceed to Contractor.

4. **LIQUIDATED DAMAGES:** Contractor's failure to complete the Work within the time allowed will result in damages being sustained by City. Such damages are, and will continue to be, impracticable and extremely difficult to determine. Accordingly, Contractor shall pay to City, or have withheld from monies due to Contractor, the sum of Five Hundred dollars ($500) for each working day as defined in Section 1-2 of the Standard Specifications for Public Works Construction "Greenbook" in excess of the specified time for completion of the Work. Execution of this Contract shall constitute agreement by City and Contractor that Five Hundred dollars ($500) per day is the estimated damage to City caused by the failure of Contractor to complete the work within the allowed time. Such sum is liquidated damages and shall not be construed as a penalty, and may be deducted from payments due Contractor if such delay occurs.

5. **CONTRACT DOCUMENTS:** This Contract incorporates by reference the following: Notice Inviting Bids, Instructions to Bidders, Contractor's Proposal, Bid Bond, Agreement, Performance Bond, Labor and Material Bond, Plans, General Conditions, Special Provisions and Specifications, and any addenda thereto (collectively, the "Contract Documents").

6. **ATTORNEYS' FEES:** In the event any action is commenced to enforce or interpret the terms or conditions of this Contract, or the Contract Documents, the prevailing Party in such action, in addition to any costs and other relief, shall be entitled to recover its reasonable attorneys' fees, including fees for use of in-house counsel by a Party.

7. **RESOLUTION OF CONSTRUCTION CLAIMS:** Claims by Contractor in the amount of three hundred seventy five thousand dollars ($375,000) or less shall be made by Contractor and processed by the City pursuant to the provisions of Part 3, Chapter 1, Article 1.5 of the Public

Contract Code (commencing with Section 20104). All claims shall be in writing and include the documents necessary to substantiate the claim. Nothing in subdivision (a) of Public Contract Code Section 20104.2 shall extend the time limit or supersede the notice requirements provided in this case from filing claims by Contractor.

8. **ELIGIBILITY OF CONTRACTOR/SUBCONTRACTOR:** Contractor and all of its subcontractors shall abide by California Public Contract Code, Section 6109, and California Labor Code Sections 1777.1 and/or 1777.7, and certify that they are not debarred and are eligible to work on this project.

9. **ASSIGNMENT OF AGREEMENT:** No assignment by a Party of any rights or interests under this Contract shall be binding on another Party without the written consent of the Party sought to be bound.

10. **SUCCESSORS AND ASSIGNS:** City and Contractor each binds itself and their respective successors and assigns in respect to all covenants, agreements, and obligations contained in the Contract Documents.

11. **SEVERABILITY:** Any provision or part of the Contract Documents held to be void or unenforceable under any law or regulation shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon City and Contractor.

IN WITNESS WHEREOF, the Parties hereto have executed this Contract the day and year first written above.

CITY OF REDLANDS

(SEAL)

By:_____
Eddie Tejeda, Mayor

ATTEST:

_____
Jeanne Donaldson, City Clerk

(SEAL)

_____
Name of Contractor

By:_____
Signature of Authorized Agent

_____
Title

_____
Signature of Authorized Agent (if necessary)

_____
Title

_____
Contractor's License No.

WORKER'S COMPENSATION INSURANCE CERTIFICATION

Description of Contract: City of Redlands
Municipal Utilities and Engineering Department
2023 Citywide Sidewalk and ADA Ramp Replacement Project
Project No. 400025

Every employer, except the State, shall secure the payment of compensation in one or more of the following ways:

a. By being insured against liability to pay compensation by one or more insurers duly authorized to write compensation insurance in this State.
b. By securing from the Director of Industrial Relations, a certificate of consent to self-insure, either as an individual employer, or as one employer in a group of employers, which may be given upon furnishing proof satisfactory to the Director of Industrial Relations of ability to self-insure and to pay any compensation that may become due to his or her employees.

CHECK ONE

_____I am aware of the provisions of Section 3700 of the Labor Code which requires every employer to be insured against liability for Workers' Compensation or to undertake self-insurance in accordance with the provisions of that Code, and I will comply with such provisions before commencing the performance of the work and activities required or permitted under this Agreement. (Labor Code §1861).

_____I affirm that at all times, in performing the work and activities required or permitted under this Agreement, I shall not employ any person in any manner such that I become subject to the workers' compensation laws of California. However, at any time, if I employ any person such that I become subject to the workers' compensation laws of California, immediately I shall provide the City with a certificate of consent to self-insure, or a certification of workers' compensation insurance.

I certify under penalty of perjury under the laws of the State of California that the information and representations made in this certificate are true and correct.

Dated this _____ day of _____, 2024.

_____
(Contractor)

_____
(Signature)

_____
(Official Title)

(SEAL)

(Labor Code Section 1861 provides that the above certificate must be signed and filed by the Contractor with the Owner prior to performing the work of the contract.)

FAITHFUL PERFORMANCE BOND

Whereas, the City of Redlands ("City"), State of California, and _____ (hereinafter designated as "Principal") have entered into an agreement dated _____, 2024 ("Agreement") whereby Principal agrees to install and complete certain public improvements (the "Work"), which said Agreement is identified as **2023 Citywide Sidewalk and ADA Ramp Replacement Project, Project No. 400025** and is hereby referred to and made a part hereof; and

Whereas, said Principal is required under the terms of the Agreement to furnish a bond for the faithful performance of the Work, now, therefore, we, the Principal and, _____, as Surety, are held and firmly bound unto the City in the penal sum of _____ dollars ($_____) lawful money of the United States, for the payment of which sum we bind ourselves, and our heirs, successors, executors and administrators, jointly and severally, firmly by these presents.

The condition of this obligation is such that if the above bounded Principal, his or its heirs, executors, administrators, successors or assigns, shall in all things stand to and abide by, and well and truly keep and perform the covenants, conditions and provisions in the Agreement and any alteration thereof made as therein provided, on his or its part, to be kept and performed at the time and in the manner therein specified, and in all respects according to their true intent and meaning, and shall faithfully fulfill the one-year guarantee of all materials and workmanship, and shall defend, indemnify and save harmless the City and its elected officials, officers, agents and employees, as therein stipulated, then this obligation shall become null and void; otherwise it shall be and remain in full force and effect.

As a part of the obligation secured hereby and in addition to the face amount specified therefor, there shall be included costs and reasonable expenses and fees, including reasonable attorneys' fees, incurred by the City in successfully enforcing such obligations, all to be taxed as costs and included in the judgment rendered.

As a condition precedent to the satisfactory completion of the Work, the above obligation shall hold good for a period of one (1) year or longer if required by the Agreement after the acceptance of the work by the City, during which time if the Principal shall fail to make full, complete, and satisfactory repair and replacements and totally protect the City from loss or damage made evident during this period from the date of completion of the Work, and resulting from or caused by defective materials or faulty workmanship, the above obligation in penal sum thereof shall remain in full force and effect. The obligations of Surety hereunder shall continue so long as any obligation of the Principal remains.

Whenever the Principal shall be, and is declared by the City to be, in default under the Agreement, the City having performed the City obligations thereunder, the Surety shall promptly remedy the default, or shall promptly, at the City's option:

1. Complete the Work in accordance with its terms and conditions; or

2. Obtain a bid or bids for completing the Work in accordance with its terms and conditions, and upon determination by Surety of the lowest responsive and responsible bidder, arrange for a contract between such bidder and the City, and make available as work progresses sufficient funds to pay the cost of completion of the Work less the balance of the Agreement price, but not exceeding, including other costs and damages for which Surety may be liable hereunder, the

amount set forth above. The term "balance of the Agreement price," as used in this paragraph, shall mean the total amount payable to the Principal by the City under the Agreement and any modifications thereto, less the amount previously properly paid by the City to the Principal.

Surety expressly agrees that the City may reject any contractor or subcontractor which may be proposed by Surety in fulfillment of its obligations in the event of default by the Principal.

Surety shall not utilize the Principal in completing the Work nor shall Surety accept a bid from the Principal for completion of the Work if the City, when declaring the Principal in default, notifies Surety of the City's objection to the Principal's further participation in the completion of the Work.

No right of action shall accrue on the bond to or for the use of any person or corporation other than the City named herein or the successors or assigns of the City. Any suit under this bond must be instituted within the applicable statute of limitations period.

The said Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Agreement or to the work to be performed thereunder or the Specifications accompanying the same shall in any way affect its obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the Agreement or to the work or to the specifications.

No final settlement between the City and the Principal shall abridge the right of any beneficiary hereunder whose claim may be unsatisfied.

The Principal and Surety agree that if the City is required to engage the services of any attorney in connection with the enforcement of this bond, each shall pay the City's reasonable attorneys' fees incurred, with or without suit, in addition to the above sum.

In witness whereof, this instrument has been duly executed by the Principal and Surety above named, on _____, 2024.

(SEAL)	(SEAL)
_____	_____
(Contractor)	(Surety)
_____	BY: _____
(Signature)	(Signature)
	Address: _____
	_____
(Seal and Notarial Acknowledgment of Surety)	Telephone ( )_____

LABOR AND MATERIAL BOND

Whereas, the City Council of the City of Redlands, State of California, and _____ (hereinafter designated as "Principal") have entered into an agreement (the "Agreement") whereby Principal agrees to install and complete certain designated public improvements (the "Work"), which said agreement, dated _____, 2024, and identified as **2023 Citywide Sidewalk and ADA Ramp Replacement Project, Project No. 400025** is hereby referred to and made a part hereof; and

Whereas, under the terms of the Agreement, Principal is required before commencing the performance of the Work, to file a good and sufficient Labor and Material bond with the City of Redlands to secure the claims to which reference is made in Title 3 (commencing with Section 9550) of Part 6 of Division 4 of the Civil Code of the State of California.

Now, therefore, said Principal and the undersigned as corporate surety, are held firmly bound unto the City and all contractors, subcontractors, laborers, material men and other persons employed in the performance of the Agreement and referred to in the aforesaid Code of Civil Procedure in the sum of _____ dollars ($_____) for materials furnished or labor thereon of any kind, or for amounts due under the Unemployment Insurance Act with respect to such work or labor, that said surety will pay the same in an amount not exceeding the amount hereinabove set forth, and also in case suit is brought upon this bond, will pay, in addition to the face amount thereof, costs and reasonable expenses and fees, including reasonable attorneys' fees, incurred by the City in successfully enforcing such obligation, to be awarded and fixed by the court, and to be taxed as costs and to be included in the judgment therein rendered.

It is hereby expressly stipulated and agreed that this bond shall insure to the benefit of any and all persons, companies and corporations entitled to file claims under Title 3 (commencing with Section 9550) of Part 6 of Division 4 of the Civil Code, so as to give a right of action to them or their assigns in any suit brought upon this bond.

Should the condition of this bond be fully performed, then this obligation shall become null and void, otherwise it shall be and remain in full force and effect.

The surety hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Agreement or the specifications accompanying the same shall in any manner affect its obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition.

In witness whereof, this instrument has been duly executed by the Principal and surety above named, on _____, 2024.

(SEAL)	(SEAL)
_____	_____
(Contractor)	(Surety)
_____	BY: _____
(Signature)	(Signature)
	Address:_____
(Seal and Notarial Acknowledgement of Surety)	_____
	Telephone: ( )_____

GENERAL CONDITIONS
(GC)

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GENERAL CONDITIONS

The Standard Specifications for Public Works Constructions, 2021 Edition (Greenbook), together with supplements as published by Building News, Inc., are modified herein and comprise the Standard Specifications. For convenience, the section and subsection numbering system used in these modifications correspond to those used in the Greenbook. Unless specifically deleted or modified herein, all requirements of the Greenbook shall prevail.

SECTION 1 – GENERAL, TERMS, DEFINITIONS, ABBREVIATIONS, UNITS OF MEASURE, AND SYMBOLS

1-2 TERMS AND DEFINITIONS.

Agency - *Amend as follows:*
"The legal entity (City) for which the Work is being performed."

Bidder - *Amend as follows:*
"Any individual, firm, partnership, corporation, or combination thereof, licensed in accordance with the provisions of Chapter 9, Division III of the Business and Professions Code, submitting a Bid for the Work, acting directly or through a duly authorized representative."

City. The City of Redlands, San Bernardino County, California, being the legal entity for which the Work is being performed. Also referred to as Agency or Owner.

City Council. The City Council of the City of Redlands, San Bernardino County, California, being the body authorizing entrance into legal agreements and allowing work in public right-of-way or on public property controlled by the City of Redlands. Also referred to as Board.

Engineer - *Amend as follows:*
"The City Engineer of the Agency, or other person designated by the City Engineer, acting either directly or through authorized agents."

Fabricated. An item specifically assembled or made out of selected materials to meet individual design requirements.

Guarantee. See Warranty.

Laboratory. The designated laboratory authorized by the City of Redlands to test materials and work involved in the Contract.

Manufactured. A standard mass-produced unit or item meeting design requirements.

Owner. The City of Redlands, San Bernardino County, California.

Pavement. The uppermost layer of material placed on the traveled way or shoulder. Also referred to as surfacing.

Rain Day. A scheduled working day when you cannot perform work on the controlling activity for at least 50 percent of the day with at least 50 percent of the normal labor and equipment due to adverse weather-related conditions that cause the Contractor to dismiss the crew.

Street - *Delete and replace with the following:*
"Any road, highway, parkway, freeway, avenue, street, lane, alley, crossing, intersection, court, place, circle, walk, way, or any public right-of-way within the jurisdiction of the Agency."

Surety - *Delete and replace with the following:*
"An admitted corporate surety as listed by the United States Department of Treasury and duly licensed to conduct business in the State of California and County of San Bernardino and acceptable to the City of Redlands, bound with and for the Contractor for the acceptable performance, execution, and completion of the Work, and for the satisfaction of all obligations incurred."

Warranty. An extended insurance by the Contractor, of any product or item of work installed as a part of this project for replacement and/or repair for the time period specified, including but not limited to, all parts, labor, materials, tools, equipment costs, etc. necessary for the product or item of work to be in proper and acceptable working condition after completion of the project. For the purposes of this Contract, the period of coverage shall begin on the date of the Notice of Completion filed by the Owner.

Working Hours. Unless specified otherwise, working hours shall be from 7:00 AM to 4:00 PM, Monday through Friday, inclusive. Saturdays, Sundays, and City Holidays, as shown on the current year Construction Schedule, are excluded unless authorized by the City.

1-7.2 CONTRACT BONDS. - *Add the following sentence to paragraph 1:*
The warranty provisions set forth in Section 7-18 shall be secured by the Contract Performance Bond required under this section and said Bond shall remain in full force and effect for a period of one year from the date of completion as specified in the Notice of Completion.

SECTION 2 - SCOPE OF THE WORK

2-2 PERMITS. - *Amend the following:*

Amend the first sentence of paragraph 1 as follows:
"The Contractor will obtain all permits necessary to perform the work in streets, highways, railways or other rights-of-way."

Add the following sentence between the first and second sentences of paragraph 1:
For all work within Caltrans right-of-way, the Contractor shall obtain their own Caltrans Encroachment Permit and pay all necessary permit and inspection fees as required by Caltrans.

Add the following paragraph:

The Contractor shall, prior to the start of work, procure all permits and licenses, including but not limited to, a City Business License for itself, subcontractors, and all parties performing actions associated with this contract within the City of Redlands, City Truck Route Permit, City Street/Lane Closure Permit, City Encroachment Permit, USA Verification Number, DOSH Excavation Permit, other permits required by agencies and/or utilities having jurisdiction on the work, pay all charges and fees required by the City, other agencies and utilities, and give all notices necessary and incidental to the due and lawful prosecution of the work. All City permits associated with this project are no fee to the Contractor.

SECTION 3 - CONTROL OF THE WORK

3-7 CONTRACT DOCUMENTS.

3-7.1 General. – *Add the following paragraphs:*
Contractor's working drawings or plans for any structure not included in the plans shall be approved by the Engineer before any work is performed. It is mutually agreed that approval by the Engineer of the Contractor's working plans does not relieve the Contractor of any responsibility for accuracy of dimensions and details, and that the Contractor shall be responsible for agreement and conformity of their working plans with the approved plans and specifications.

Finished surfaces in all cases shall conform with the lines, grades, cross sections, and dimensions shown on the approved plans. Deviations from the approved plans will be determined by the Engineer and approved in writing. In the event of a discrepancy between any drawing and the figures written thereon, the figures shall be taken as correct.

Should it appear that the work to be done or any matter thereto is not sufficiently detailed or explained by the plans and specification, the Contractor shall apply to the Engineer for such further explanation as may be necessary and shall conform to such explanation or interpretation as part of the Contract so far as may be consistent with the intent of the original plans and specifications.

3-7.1.1 Preconstruction Meeting. The Contractor to whom the contract is awarded, and all his major subcontractors, shall attend a pre-construction meeting. The time and location of said meeting will be set by the City. Contractor will be given adequate notice of such meeting. It shall be the Contractor's responsibility to notify his subcontractors of the time and location of the meeting. All submittals as required under the General Requirements shall be submitted by the Contractor at the time of the meeting.

The Contractor will be provided with an electronic (.PDF file) of the conformed plans and specifications for their use throughout the project. Contractor is responsible for all costs of reproduction.

Progress meetings will be scheduled by the City. The Contractor will be given at least five working days notice of the time and location of said meetings. The Contractor has the responsibility of notifying his subcontractors, suppliers, and fabricators of the time and location of said meetings. Meetings will be held either at the job site, at the offices of the City of Redlands, or at any other location approved by the City. The Contractor may request, in writing, that a meeting be held.

The City will schedule a meeting at the Contractor's request not more than five working days after receiving said written notice.

3-7.2 Precedence of Contract Documents. – *Replace paragraph 2 with the following:*
The precedence shall be (A. being highest, O. being lowest):

A. Permits from other Agencies as may be required by law.
B. Change Orders.
C. Contract.
D. Addenda.
E. Bid Schedule/Proposal.
F. General Requirements.
G. Technical Specifications.
H. Plans.
I. MUED General Permit Conditions and Trench Specifications.
J. City of Redlands Water & Sewer Systems Standard Specifications.
K. General Conditions.
L. City of Redlands Standard Specifications and Detail Drawings for Design and Construction of Public Improvements and all Supplements
M. Standard Specifications for Public Works Construction (SSPWC), 2018 Edition
N. Standard Plans for Public Works Construction, 2012 Edition
O. Reference Specifications.

3-8.7 Record Drawings. The Contractor shall maintain at the job site, a set of record drawings for the work showing: exact location information of all existing underground utilities encountered, final locations determined in the field, any deviations from the plans and specifications and new work performed within the work area; and all differences between the work as drawn and as installed for all concealed work as well as work added which is not shown on the drawings. Concealed work shall mean all work installed underground or in an area which cannot be readily inspected by use of access panels, inspection plates or other removable features. When vacuum excavation (potholing) services are required, contractor to provide report that identifies depth and alignment of underground utilities.

These record drawings shall be kept current and legible, and shall be available for inspection at all times by the Engineer, Architect and Contractor. All information, changes in the work or work added on these record drawings shall be marked in red. All markings shall use the same legends that are used on the drawings. Indicate locations by exact dimensions and elevations. Give dimensions and elevations from a permanent reference point and prepare all changes to scale.

At the end of construction, the contractor shall prepare one set of marked-up prints of the record drawings indicating any and all revisions and changes to the drawings reflecting As-Built conditions. The drawings shall also contain a listing of all subcontractors who worked on the construction project. The As-Built drawings will be submitted to the Municipal Utilities and Engineering Department for review and approval by the City Inspector and Engineer.
The design engineer or City staff shall prepare the final As-Built drawings for record purposes in one of the following two ways: (1) Check out the original drawings from the City and manually revise the drawings to reflect the As-Built condition; or (2) Re-plot the original drawings electronically on 4 mil

mylars and make revisions electronically to reflect the As-Built conditions. The final As-Built drawings will be reviewed and approved by the City Inspector and Engineer

The construction related bonds will not be released by the City until the As-Built drawings are accepted by the Engineer and all City stipulated conditions for the release of the bonds have been satisfied.

3-10 SURVEYING.

3-10.3 Line and Grade. - *Add the following sentences to paragraph 1:*
All distances and measurements shown are and will be made in a horizontal plane. Construction line and grade staking shall be set at maximum intervals of 25 feet when the grade is 0.50 percent or greater. Construction line and grade staking shall be set at maximum intervals of 12 feet when the grade is less than 0.50 percent.

3-10.4 Permanent Survey Markers.
The Registered (licensed) Land Surveyor or Registered Civil Engineer authorized to practice land surveying in accordance with all provisions of Section 8771 of the Business and Profession Code shall be hired as a subcontractor or employed by the Contractor.

3-10.5 Survey Service.
Contractor shall be responsible for: furnishing all surveying and staking, horizontal and vertical, as shown on the plans and in accordance with the specifications; furnishing all staking for sub-grade and base course grades per typical sections; replacing any existing monuments and ties which have been destroyed by construction; identifying, locating and tying out all monuments and ties necessary within the work area; and shall reinstall all disturbed monuments and ties, supplying the Engineer with copies of monument and tie sheets recorded with the County Surveyor in accordance with applicable State law. Monuments shall be approved by the Engineer.

Surveying and staking shall be done by a Registered (licensed) Land Surveyor or Registered Civil Engineer authorized to practice land surveying in accordance with all provisions of Section 8771 of the Business and Professions Code.

Unless otherwise specified, stakes will be set and stationed by the Contractor's surveyor for curbs, headers, sewers, storm drains, structures, rough grade and all other staking necessary for the construction of the work. A corresponding cut or fill to finished grade (or flowline) will be indicated on a grade sheet to be supplied to the Engineer. The Contractor shall dig all holes necessary for line and grade stakes.

3-13 COMPLETION, ACCEPTANCE, AND WARRANTY.

3-13.2 Acceptance. - *Add the following paragraphs:*
The Contractor shall submit written assertion that the work has been completed prior to the Engineer making final inspection. The Engineer will have 48 hours to inspect the work. If the Engineer determines that the work is not complete, written notice will be given.

Until final acceptance of work by the Engineer, the Contractor shall have charge and care thereof from damage caused by the action of the elements or from any other cause, whether arising from the execution or from the non-execution of the work. The Contractor shall rebuild, repair, restore, and make good all injuries or damage to any portion of the work occasioned by any of the above causes before final acceptance and shall bear the expense thereof.

All work which has been rejected shall be remedied or removed and replaced by the Contractor at their expense with work conforming to the plans and specifications. Any defective material or workmanship which may be discovered before final acceptance or within one year from the date of final acceptance shall be immediately corrected by the Contractor at their expense, notwithstanding that it may have been overlooked in previous inspections and estimates. Failure to inspect work at any stage shall not relieve the Contractor from any obligation to perform sound and reliable work as herein described. It is the Contractor's ultimate responsibility to deliver a complete, operational project that complies in all details with these specifications, at the time of final acceptance.

Any omission or failure on the part of the City to discover or notify the Contractor of or to condemn defective work or material at the time of construction shall not be deemed as acceptance, and the Contractor will be required to correct defective work or material prior to final acceptance.

The City will endeavor to locate any errors or defective materials or workmanship and call them to the attention of the Contractor prior to subsequent work being performed. However, the City is under no obligation to do so and shall not be held liable because errors or defective material or workmanship by the Contractor are not discovered prior to subsequent work.

Nothing in this section shall be construed to limit the rights of the City to immediately correct conditions which are unsafe or which pose a public health nuisance. Should said corrections later be found to be caused by defective material and/or workmanship, the Contractor and their surety shall reimburse the City for costs reasonably incurred while attending the situation.

In the event it is necessary for the City to file suit to enforce any liability of the Contractor pursuant to this Section, the City shall be entitled to recover from the Contractor, in addition to all other amounts found due and owing, costs of suit and reasonable expenses and fees including reasonable attorneys' fees incurred by the City in successfully enforcing the Contractor's obligation, all to be taxed as costs and included in any judgment rendered.

3-13.3 Warranty. - *Amend the following:*

Amend the first sentence of the paragraph 3:
"The warranty period for specific items covered under manufacturers' or suppliers' warranties shall commence from the date of the final acceptance, except where longer warranty periods are specified."

Add the following paragraphs:
All start-up and testing shall be complete, approved and accepted before final acceptance, substantial completion, or beneficial occupancy.

The warranty provided herein shall not be in lieu of, but shall be in addition to any warranties or other obligations otherwise imposed by the specifications or by law. The remedies provided herein shall not be exclusive and the City shall be entitled to any and all remedies provided by law.

3-14 INSPECTION.

The Contractor shall notify the Engineer at least 24 hours in advance before inspection is required. Whenever the Contractor varies the period during which work is carried on each day, due notice shall be given to the Engineer so that proper inspection may be provided. Varied working hours may be allowed only upon written authorization from the Engineer.

Work financed in whole or in part with funds from another public entity or performed within the jurisdiction of another public entity shall be subject to inspection at all times by authorized representatives of that entity.

The work shall be ready for inspection, whether by City, other public entities or independent testing laboratories, at the scheduled times arranged by the Contractor. If, in the City's sole judgment, the work is not ready and the inspection must be rescheduled, the Contractor shall be notified. The Contractor shall reschedule the inspection and provide the proper 24 hour notification for the rescheduled inspection. Any costs incurred by the City for rescheduled inspections shall be reimbursed prior to the release of Bonds.

In order to allow for inspection, the Contractor shall notify the City's inspector sufficiently in advance of the permanent concealment of any materials or work. The City's inspector shall make the appropriate notifications to other public entities and independent testing laboratories for inspections. All inspections required in the specifications for this project shall be coordinated through the City's inspector.

If any work is concealed or performed without the prior notice specified, the work shall be subject to such tests or exposure as may be necessary to prove to the City, Architect and Engineer, that the materials used and the work performed are in conformity with the drawings and specifications. All labor, tools, materials and equipment necessary for exposing and testing shall be furnished by the Contractor at their expense. The Contractor shall replace at their expense, any materials or work damaged by exposure or testing.

Overtime inspection may be requested by the Contractor. Overtime inspection includes but is not limited to, any hours worked outside of the inspector's normal working hours including weekends and holidays. Such requests shall be on a case-by-case basis as determined by the Engineer. If the Engineer so determines and approves, overtime inspection shall be paid for by the Contractor at the current City billing rate at the time of request or as billed by other public entities or independent testing laboratories. Any costs incurred by the City for overtime inspection shall be reimbursed prior to the release of Bonds.

SECTION 4 - CONTROL OF MATERIALS

4-1 GENERAL. - *Delete and replace with the following:*

Should any work performed or material furnished under the Contract prove defective or not in accordance with the Plans and Specifications and in the opinion of the Engineer such defect is not of sufficient magnitude or importance to make the work dangerous or unusable, or if the removal of such work is impracticable or will create dangerous or undesirable conditions, the Engineer at his discretion shall have the right and authority to retain such work instead of requiring it to be removed and reconstructed, but he shall make such deductions therefore in the payment due the Contractor as may be just and reasonable.

4-1.1 Warranty of Title. No materials, supplies or equipment for the work under this Contract shall be purchased subject to any chattel mortgage or under a conditional sale contract or other agreement by which an interest therein or any part thereof is retained by the seller or supplier. The Contractor warrants clear and good title to all materials supplied and equipment installed and incorporated in the work and agrees, upon completion of all work, to deliver the premises, together with all improvements and appurtenances constructed or placed thereon by him, to the Owner free from any claims, liens, encumbrances or charges, and further agrees that neither he nor any person, firm, or corporation furnishing any material or labor for work covered by the Contract shall have any right to a lien upon the premises or any improvement or appurtenance thereon, provided that this shall not preclude the Contractor from installing metering devices or other equipment of utility companies the title of which is commonly retained by the utility company. Nothing contained in this article, however, shall defeat or impair the right of such persons furnishing materials or labor under any bond given by the Contractor for their protection, or any right under any law permitting such persons to look to funds due the Contractor, which are in the hands of the Owner.

4-1.2 Clayton Act. In submitting a bid to the City, if the bid is accepted the Contractor agrees it will assign to the City all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Section 15) or under the Cartwright Act (chapter 2 [commencing with Section 16700] of Part 2 Division 7 of the Business and Professionals Code), arising from purchases of goods, materials, or services by the Bidder for sale to the City pursuant to the bid. Such assignment shall be made and become effective at the time the City tenders final payment to the Bidder.

SECTION 5 – LEGAL RELATIONS AND RESPONSIBILITES

5-1.1 CONTRACTOR'S EQUIPMENT AND FACILITIES.

A noise level limit of 86 dbA at a distance of 15 m (50 feet) shall apply to all construction equipment on or related to the work whether owned by the Contractor or not. The use of excessively loud warning signals shall be avoided, except in those cases required for the protection of personnel.

5-1.2 General.

The enclosed toilets required by this section shall be located within an approved yard, if one is acquired by the Contractor. If a yard is not acquired by the Contractor or the project is not within a

City owned property, the toilets must be installed on a trailer and removed from the jobsite each day. At no times shall toilets be stored within the public right of way outside of working hours.

5-3 LABOR. - *Amend the following:*

5-3.1 General. - *Add the following paragraphs:*
Employment of apprentices are required on projects of $30,000 or more. Provisions in Sections 1777.5 of the California Labor Code fixes responsibility of compliance with that section for all apprenticeable occupations with the Contractor. Section 1777.5 provides that the Contractor and every Subcontractor shall submit contract award information to the applicable joint apprenticeship committee. One apprentice hour for every five journeymen hours worked is the minimum State requirement applicable to each apprenticeable trade. Section 1777.7 of said Labor Code provides that the Contractor shall forfeit as a civil penalty the sum of one hundred dollars ($100.00) for each calendar day of noncompliance with provision of said Section 1777.5.

The Contractor will observe all applicable health and safety requirements, including, but not limited to the California and Federal Occupational Safety and Health Acts. The Contractor shall submit for review by the City a Site Specific Health and Safety Plan prior to the commencement of construction activities. This Plan shall meet or exceed the requirements of 29 CFR 1910.120.

5-3.2 Prevailing Wages. - *Add the following paragraphs:*
Contractors are hereby notified that pursuant to Section 1770 of the Labor Code of the State of California, the City Council of the City of Redlands, California, by Resolution No. 2326, has ascertained the general prevailing rate of hourly wages and rates for legal holidays and overtime work in the locality where this work is to be performed, for each craft or type of workman or mechanic needed to execute the Contract which will be awarded to the successful Bidder. The Contractor shall comply with Sections 1770 to 1780 inclusive of the Labor Code and Master Labor Agreement of Southern California.

The Contractor and each of his subcontractors shall pay each of his employees engaged in work on the project under this Contract in full less legally required deductions and also deductions made pursuant to the regulations prescribed under the so-called "Kick- Back Statute" (48 Sta. 948; U.S.C. 875; 40 U.S.C. 276c).

In accordance with Section 1775 of the California Labor code, Contractor shall forfeit to City, as a penalty, a minimum of $40 for each day, or portion thereof, and a maximum of $200 for each day, or portion thereof, for each worker paid, either by Contractor, or any subcontractor, less than the prevailing rates as determined by the Director of the California Department of Industrial Relations for the work.

Contractor further agrees to fully comply with all applicable provisions of the California Labor Code including but not limited to Sections 1771, 1775, 1776, 1777.5, 1813 and 1815. Failure to abide by prevailing wages and laws by Contractor will be enforced.

The Contractor or subcontractor shall, as a penalty, to the State or political subdivision on whose behalf the contract is made or awarded forfeit twenty-five ($25) dollars for each worker employed in

the execution of the contract by the respective contractor or subcontractor for each calendar day during which the worker is required or permitted to work more than 8 hours in any calendar day and 40 hours in any calendar work in violation of Labor Code section 1813.

5-3.3 Payroll Records. – *Delete and replace with the following*:
The contractor and subcontractors shall submit electronic certified payroll on a weekly basis to the City of Redlands through LCPtracker. LCPtracker is a web-based labor compliance management system. The Prime Contractor and Subcontractors and lower-tier Subcontractors will receive an email from LCPtracker providing their log-on identification and temporary password. The Contractors will need to follow the instructions in the email to set-up their permanent password and activate their account. Once their account is setup, LCPtracker Inc. provides either computer based or web based training. Training can be accessed via the "Book Now" button located under the "Projects" tab. The prime contractor shall submit their certified payroll, along with any subcontractor who is performing any labor, on a weekly basis. The prime contractor is responsible for all communication with their subcontractors and shall submit their subcontractor's certified payroll as part of their weekly payroll packet. All labor compliance correspondence and submissions will be made through the LCPtracker software.

All certified payroll shall be submitted no later than 7 days from the close of the pay period. The payroll records shall set out accurately and completely the name, social security number, classification and hourly wage rate of each employee, hours worked by employee during the payroll period and a full weekly wages and the actual weekly wages paid to the employee. Such certified payroll records shall be made available at all time for inspection by the City, the Department of Industrial Relations, the Department of Labor or authorized representatives within ten days of request. The contractor and subcontractor shall preserve weekly payroll records for a period of three (3) years from the date of completion of the Contract. In case on noncompliance with said Section 1776 and after a ten-day period following receipt of written notice, the Contractor shall forfeit to the California Department of Industrial Relations one hundred dollars ($100.00) for each calendar day or portion thereof, for each worker in non-compliance, until compliance is effectuated.

In order to meet labor compliance requirements, all contractors will be required to complete eDocuments which are accessed, submitted and approved through LCPtracker. All eDocuments are required to be signed by an owner/officer or authorized signer. The Prime Contractor and each Subcontractor and every lower-tier Subcontractor and any Vendors subject to this provision shall comply with Title 8, Section 16404 of the California Code of Regulations.

A Fringe Benefit Statement shall be submitted with the first payroll and is required for both the prime contractor and any subcontractors. A new Fringe Benefit Statement will be required when general determinations are issued in February and August. Please refer to the DIR website for additional details. Any weeks where no work was performed must be represented by the submittal of a Statement of Non-Performance covering the 7 day pay period where no hours were worked on the site. Final payroll on the project should state "Final" on the certified payroll, and must be marked as such in the LCPtracker system.

Failure by the Contractor to comply with the aforementioned requirements shall result in withheld progress payments until such time certified payroll documents have been received, reviewed, and

accepted by the City. The City reserves the right to seek assistance from the State Department of Industrial Relations in determining the acceptability of certified payroll submittals before release of withheld progress payments. Prior to the release of retention monies, all certified payroll must be submitted on the project and any outstanding issues that may have occurred throughout the project must be resolved.

5-4 INSURANCE. - *Delete Section 5-4.1, Section 5-4.2 and replace with the following:*
Before entering into a Contract, the Bidder to whom the Contract has been awarded shall furnish satisfactory evidence that they have secured all required insurance from a responsible insurance company authorized to do business in California and satisfactory to the City, and such insurance shall be maintained in full force and effect at the Contractor's own expense during the life of the Contract. Contractor shall furnish the City with the customary Certificates of Insurance for all required insurance listed below. General Liability Insurance shall name the City and the Consultant, as an additional insured and shall be primary and non-contributing to any insurance or self-insurance maintained by the City. All liability insurance policies shall bear an endorsement or shall have attached a rider whereby it is provided that, in the event of expiration or proposed cancellation of such policies for any reason whatsoever, the City shall be notified by registered mail, return receipt requested, giving sufficient time before the date thereof to comply with any applicable law or statute, but in no event less than forty five (45) days before expiration or cancellation is effective.

The coverage shall provide the following minimum limits based on the type of work proposed under this Contract. The Contractor shall determine if the proposed work requires Tier 1 or Tier 2 Designated Insurance Requirements shown below.

CONTRACTED OPERATIONS DESIGNATED AS TIER 1		
Air Conditioning (HVAC) Systems (installation)	Electric Light or Power Line Construction	Pipeline Construction
Airport Runways (paving, repaving, etc.)	Elevator Work	Roofing
Blasting Operations	Excavation	Sandblasting
Bridge or Elevated Highway Construction	Fire Suppression Systems (installation)	Sewer and Water Main Construction
Buildings Structural Work (including elevators)	Gas Mains or Connections Construction	Sign Erection (streets)
Building Structure (raising or moving)	Geophysical Exploration	Solar Energy
Cable Installation in Conduits and Conduit Construction (streets)	Grading of Land	Street Cleaning
Caisson or Cofferdam Work	Hazardous Materials Contractors	Street or Road Construction
Dam or Reservoir Construction	Irrigation or Drainage Construction	Tank Construction, Installation, Erection or Repair
Demolition (structures)	Landscape Construction (street or street medians)	Telephone or Cable Line Construction
Drilling	Painting (exterior greater than single story)	Tree Pruning, Dusting, Spraying or Removal

TIER 1 DESIGNATED INSURANCE REQUIREMENTS

a. Commercial General Liability
   - $1 Million Per Occurrence/ $2 Million Aggregate
     - City listed as an Additional Insured on the coverage
     - Coverage is primary and non-contributory
     - If scope of work is within 50 feet of any railroad, endorsement citing inclusion of liability associated with this work is required
     - If any policy forms of endorsements are cited to grant extension of coverage, they must be included with the Certificate of Insurance submission

b. Business Auto Liability
   - $1 Million Combined Single Limit
     - City listed as an Additional Insured on the coverage
     - Must include liability arising from all owned, leased, hired, and non-owned autos
     - If any policy forms of endorsements are cited to grant extension of coverage, they must be included with the Certificate of Insurance submission
   - If Contractor or its subcontractors or suppliers haul hazardous material (including, without limitation, waste), Auto Liability insurance must be applicable to all hazardous waste hauling vehicles, and include MCS 90 and CA9948 Endorsements.

c. Commercial Umbrella/ Excess Liability
   - $5 Million Per Occurrence/ Aggregate
     - City listed as an Additional Insured on the coverage
     - Coverage is primary and non-contributory
     - If any policy forms of endorsements are cited to grant extension of coverage, they must be included with the Certificate of Insurance submission

d. Workers Compensation
   - $1 Million Per Occurrence for Bodily Injury by Accident
   - $1 Million Each Employee for Bodily Injury by Disease
   - $1 Million Policy Limit for Bodily Injury by Accident
     - Waiver of Subrogation in favor of City
     - If any policy forms of endorsements are cited to grant extension of coverage, they must be included with the Certificate of Insurance submission

e. Pollution Policy (Hazardous Materials) [If Applicable]
   - Required of Projects that involve Demolition and/or Excavation Activities
   - $1 Million Per Occurrence/ $2 Million Aggregate
   - City listed as an Additional Insured on the coverage

CONTRACTED OPERATIONS DESIGNATED AS TIER 2		
Air Conditioning (HVAC) Systems (service and repair)	Carpentry (building interiors)	Fire Suppression Systems (service and repair)
Alarms and Alarm Systems	Communications Equipment Installation (interior)	Landscape Construction
Building Interior Work (service, repair and non-structural remodeling)	Driveway, Parking Area or Sidewalk (paving or repaving)	Painting (exterior)
Cable Installation in Conduits (buildings)	Fence Erection	All Other Job Types including Vendors

TIER 2 DESIGNATED INSURANCE REQUIREMENTS

a. Commercial General Liability
   - $1 Million Per Occurrence/ $2 Million Aggregate
     - City listed as an Additional Insured on the coverage
     - Coverage is primary and non-contributory
     - If scope of work is within 50 feet of any railroad, endorsement citing inclusion of liability associated with this work is required
     - If any policy forms of endorsements are cited to grant extension of coverage, they must be included with the Certificate of Insurance submission

b. Business Auto Liability
   - $1 Million Combined Single Limit
     - City listed as an Additional Insured on the coverage
     - Must include liability arising from all owned, leased, hired, and non-owned autos
     - If any policy forms of endorsements are cited to grant extension of coverage, they must be included with the Certificate of Insurance submission
   - If Contractor or its subcontractors or suppliers haul hazardous material (including, without limitation, waste), Auto Liability insurance must be applicable to all hazardous waste hauling vehicles, and include MCS 90 and CA9948 Endorsements.

c. Workers Compensation
   - $1 Million Per Occurrence for Bodily Injury by Accident
   - $1 Million Each Employee for Bodily Injury by Disease
   - $1 Million Policy Limit for Bodily Injury by Accident
     - Waiver of Subrogation in favor of City
     - If any policy forms of endorsements are cited to grant extension of coverage, they must be included with the Certificate of Insurance submission

d. Pollution Policy (Hazardous Materials) [If Applicable]
   - Required of Projects that involve Demolition and/or Excavation Activities
   - $1 Million Per Occurrence/ $2 Million Aggregate
   - City listed as an Additional Insured on the coverage

Contractor expressly waives all rights to subrogation against the City, its officers, employees and volunteers for losses arising from work performed by Contractor for City by expressly waiving Contractor's immunity for injuries to Contractor's employees and agrees that the obligation to

indemnify, defend and hold harmless provided for in this Agreement extend to any claim brought by or on behalf of any employee of Contractor. This waiver is mutually negotiated by the parties. This shall not apply to any damage resulting from the sole negligence of City, its agents and employees. To the extent any of the damages referenced herein were caused by or resulted from the concurrent negligence of City, its agents or employees, the obligations provided herein to indemnify, defend and hold harmless are valid and enforceable only to the extent of the negligence of contractor, its officers, agents and employees.

Subcontractors. The prime contractor shall include all subcontractors as insureds under its policies or shall furnish separate certificates and endorsements from each subcontractor.

The Contractor shall not assign or sublet the contract, in whole or in part, without the written consent of the City, nor shall the contractor assign any monies due to, or to become due to, Contractor hereunder without prior written consent of the City.

The Contractor shall be fully responsible to the City for the acts and omissions of the subcontractor and persons either directly or indirectly employed by the Contractor. Consent to subcontracting part of the work shall, in no way, release the Contractor from responsibility for performance of the work, and Contractor will be held, in all respects, accountable for the same as if no consent had been given. The Contractor shall give personal attention to this work which is sublet. Nothing contained in the contract documents shall create any contractual relation between any subcontractor and the City.

Hold Harmless and Indemnification. Contractor shall indemnify, hold harmless and defend City and its elected officials, agents and employees and the Consultant from and against any and all claims, losses or liability, including attorney's fees, arising from injury or death to persons or damage to property occasioned by any act, omission or failure to act of Contractor, its subcontractors, and any officers, agents and employees in performing the work required by this Agreement. Contractor's obligations under this provision shall not be limited in any way by any terms of this Agreement, or the insurance limits.

5-4.3 Worker's Compensation Insurance. - *Delete and replace with the following:*

A. Contractor shall have worker's compensation and employer's liability insurance in force throughout the duration of the contract in an amount which meets the statutory requirement with an insurance carrier acceptable to the City. The insurance policy shall include a provision prohibiting cancellation of said policy except upon forty-five (45) days prior written notice to City. Certificates of Insurance shall be delivered to the City at the time of the Contractors' execution of the agreement.

B. Contractor expressly waives all rights to subrogation against the City, its officers, employees and volunteers for losses arising from work performed by Contractor for City by expressly waiving Contractor's immunity for injuries to Contractor's employees and agrees that the obligation to indemnify, defend and hold harmless provided for in this Agreement extend to any claim brought by or on behalf of any employee of Contractor. This waiver is mutually negotiated by the parties. This shall not apply to any damage resulting from the sole negligence of City, its agents and employees. To the extent any of the damages referenced herein were

caused by or resulted from the concurrent negligence of City, its agents or employees, the obligations provided herein to indemnify, defend and hold harmless are valid and enforceable only to the extent of the negligence of contractor, its officers, agents and employees.

5-6 PATENT FEES OR ROYALTIES. *Delete and replace with the following:*
The Contractor shall include in its Bid the patent fees or royalties on any patented article or process which may be furnished or used in the Work. The Contractor shall indemnify and hold the City harmless from any legal action that may be brought for infringement of patents. The Contractor's attention is directed to "Notice of Patents, Data, and Copyright Regulations" of the Federal Labor Standards.

The Contractor shall bear all costs arising from the use of patented goods and/or processes used on and/or incorporated into the Work. When use of these goods and/or processes is judged to be an infringement and the use is banned, the Contractor, at its own expense, shall, with concurrence of the Engineer, do one of the following:

A. Secure for the City the right to continue using goods and/or processes by suspension of the injunction or by procuring a license(s);

B. Replace said goods and/or processes with non-infringing goods and/or processes;

C. Modify said goods and/or processes so that they become non-infringing; or

D. Remove said goods and/or processes and refund the sum paid therefore without prejudice to any other rights of the City.

The preceding shall not apply to any goods manufactured to the detailed design of the City contained in the Contract Documents.

5-7 SAFETY.

5-7.1 Work Site Safety.

5-7.1.1 General. - *Amend the following:*

Add the following sentences to paragraph 1:
Should watering be the sole method utilized for roadway dust abatement purposes, the maximum time interval that shall elapse between applications thereof shall be no greater than 3 hours during normal working day, supplemented by an additional application thereof immediately prior to the conclusion of the workday and at such other times as may be required, including evenings, weekends and holidays as required by the Engineer. Should the Contractor be unable to furnish dust abatement as specified, the City may perform or cause to be performed the necessary service, the expense of which will be deducted from the payment due the Contractor.

Add the following paragraphs:

To insure the protection of storm drain inlets, Best Management Practices (BMPs) shall be employed during cleanup and dust control operations. Refer to Section 7-8.6.

Compliance with this section is of extreme importance to the City and its citizens. The City may fine the Contractor $1,000 per incident if there are issues with dust, mud, unused equipment or materials and rubbish within the construction area that result in citizen complaints. A 24 hour notice shall be issued to the Contractor and failure to correct the problems will result in the fine being levied. This fine will be in addition to those fines potentially charged for NPDES violations.

5-8 AIR POLLUTION CONTROL.

Dust control shall be performed in accordance with Subsection 7-8 of the Standard Specifications, South Coast Air Quality Management District (SCAQMD) Rule 403, the general Provisions and the following Provision.

Dust resulting from the Contractor's performance of the work, either inside or outside, the right-of-way shall be controlled by the Contractor. Dust control includes the action necessary to prevent, reduce or control dust within the work area as required to complete the work. The Contractor shall carry out proper and efficient measures to prevent his operations from producing dust in amounts damaging to property or causing a nuisance, or harm to persons living nearby or occupying buildings in the vicinity of the work. The Contractor shall control dust 24 hours a day, seven days a week. The methods to be used for controlling dust in the construction area and along haul roads shall be approved by the Engineer prior to starting any work. The Rule 403 Implementation Handbook published by the SCAQMD, contains a detailed listing of reasonably available dust control measures.

Dust control ordered by the Engineer to be applied on Saturdays, Sundays or holidays will be included in the Contract price for dust control and no additional compensation will be allowed therefore.

The full compensation for all direct and indirect costs incurred for work performed or materials used to control dust resulting from the Contractor's performance of the work and caused by public traffic, either inside or outside the right-of-way shall be considered as included in the Contract prices paid for the various items of work involved and no additional compensation will be allowed therefore.

5-9 STORAGE OF EQUIPMENT AND MATERIALS.

The Contractor shall be required to provide and maintain as necessary, any additional property required for storage of equipment, materials, etc., to perform work on this project. Should the additional property be located within the city limits of the City of Redlands, the Contractor shall obtain written approval from the City of Redlands Development Services Department and comply with all conditions set therein prior to use. When private property is used for a yard area, the Contractor shall also secure written authorization from the private property owner and supply a copy of such to the City before any monthly progress payment is submitted. Contractor to propose designated areas of the project site, upon approval by the Engineer, suitable for material delivery, storage, and waste collection.

The Contractor shall ensure the construction yard adheres to all local, State and Federal regulations, ordinances, codes and maintained in a neat and orderly manner throughout the duration of the project. The contractor shall include the construction yard in the Erosion Control Plan or SWPPP and shall be inspected and approved prior to use of the yard. If at any time during the project the location of the construction yard changes from the approved site, the City shall be notified prior to relocation for inspection and approval. Should the Contractor fail to comply with these conditions, the Engineer may suspend the work per SSPWC section 6-3 until the condition is corrected.

At the end of the project or as required, the Contractor shall: clean up and remove all trash and debris, including all organic trash and debris; clean up and remove all hazardous and biochemical wastes from the property to the satisfaction of the agency (City, County, State, or Federal) charged with overseeing these items; and provide to the City a written release from the private property owner that they are satisfied with all clean up and removal work.

5-9.1 Storage in Public Streets.
Construction materials and equipment shall not be stored within public streets or right of way without prior approval from the City. In order to seek approval, Contractor shall submit a location map with all equipment or materials identified including size, duration and any BMP's installed and provide at least 7 days for review by the City.

5-10 WATER POLLUTION CONTROL.

The Contractor shall follow the City's guidelines for Storm Water Pollution Prevention in providing storm water pollution control at the project site, including the implementation of approved Erosion/Sediment Control Plans during construction as well as the implementation of approved Water Quality Management Plans.

Construction activities disturbing 1 acre or more of land shall comply with the State Water Resources Control Board's NPDES General Construction Storm Water Permit. A copy of the Notice of Intent (NOI) to include the Waste Discharge Identification (WDID) number shall be submitted as part of the Storm Water Pollution Prevention Plan (SWPPP) to the Engineer for review. Call (909) 782-4130 for NOI/WDID information.

All projects requiring grading shall submit to the City for review and approval an Erosion/Sediment Control Plan and a Grading Plan. Permit(s) will not be issued until plans are approved and may be revoked if work required in these specifications are not complied with.

Construction sites shall be maintained by implementation of BMPs in such manner that pollutants are not discharged from the site to the maximum extent practicable. A few references available to help with selection and implementation of applicable BMPs are:

1. California Storm Water Best Management Practice Handbook, American Public Works Association, March 1993;
2. The Construction Site Best Management Practices Manual, November 2000;
3. Storm Water Pollution Prevention Plan and Water Pollution Control Program Preparation Manual, November 2000;

4. California Regional Water Quality Control Board's San Francisco Bay Region, Guidelines for Construction Projects; and
5. California Regional Water Quality Control Board's San Francisco Bay Region, Erosion and Sediment Control Field Manual, July 1999.

All discharges into the storm drain system are prohibited except for potable water, properly treated discharge, and those discharges specifically approved by the Engineer. The following are some of the prohibited discharges:

1. Discharges that could have an impact on human health or the environment, cause or threaten to cause pollution, contamination, or nuisance;
2. Discharges that exceed any applicable water quality standard contained in a statewide Water Quality Control Plan or local Basin Plan; and
3. Discharges containing hazardous substances equal to or in excess of a reportable quantity listed in Federal regulations 40 CFR, Parts 117 and 302.

Materials that can cause or contribute to pollution or a violation of any applicable water quality standard include, but are not limited to: sediments; solid or liquid chemical spills; wastes from paints, stains, sealants, glues, limes, pesticides or herbicides and wood preservatives or solvents; asbestos fibers, paint flakes or stucco fragments; fuels, oils, lubricants or hydraulic, radiator and battery fluids; fertilizers; vehicle and equipment wash water or concrete wash water; concrete, detergent or floatable wastes; wastes from any engine and equipment steam cleaning or chemical degreasing; and chlorinated potable water line flushings.

Unless exempted or authorized by an NPDES permit, all non-storm water discharges require prior approval by the Engineer or the State Water Resources Control Board with Engineer approval.

During construction, temporary storage of such materials as identified above, must occur in a designated area physically separated from potential storm water runoff, with ultimate disposal in accordance with local, state and federal requirements.

De-watering of contaminated groundwater or discharging contaminated soils via surface erosion is prohibited.

Unless indicated otherwise by the Engineer, all projects, regardless of size, shall submit for review and approval, a Water Quality Management Plan (WQMP). The WQMP shall consist of post construction BMPs which shall remain in effect throughout the life of the facility. Refer to WQMP guidelines.

5-11 TEMPORARY LIGHTS, POWER AND WATER.

Any water drawn from a City fire hydrant shall be via a City owned water meter. Said meter may be obtained from the Municipal Utilities & Engineering Department. Contractor is responsible for payment of a $1200 deposit fee. Said meter shall be returned in a condition like received, less normal wear and tear. All meters are loaned subject to the conditions of the Fire Hydrant Construction Meter

Water Service Application. Contractor must provide proposed location of meter and notify Customer Service at (909) 798-7516 each time the meter is relocated during construction. Water reasonably used in connection with the construction contract will be provided at no cost to the Contractor. Water use determined to be wasteful or unreasonable will be charged for at the prevailing rate.

5-12 PROTECTION AND RESTORATION OF EXISTING IMPROVEMENTS.

The Contractor shall relocate, re-establish, repair or replace all existing improvements within the work limits or right-of-way which are not designated for removal (e.g., sprinkler systems, curbs, sidewalks, driveways, fences, walls, signs, utility installations, pavement, structures, etc.) which are damaged or removed as a result of its operations.

Relocations, re-establishments, repairs and replacements shall be at least equal to existing improvements and shall match them in finish and dimension.

All costs to the Contractor for protecting, removing, restoring, relocating, repairing, replacing or re-establishing existing improvements shall be included in the Bid.

The Contractor shall be responsible for the maintenance of the streets and roadways to be used by public and local traffic through and adjacent to the construction zone, from the date of "Notice to Proceed" until the date of acceptance of the completed construction improvements.

Street maintenance shall include filling of potholes, grading of subgrade and base, replacing signs, installing interim pavement striping and markers on the project streets and other side streets within the construction zone. Street maintenance shall also include sweeping and washing of streets, adjacent and connected to the construction zone on a weekly, or more frequent schedule, to prevent the accumulation of dust, dirt, gravel or other deleterious materials, all as necessary to maintain the construction roadways and adjacent streets in a safe, clean and drivable condition for use by public and local traffic.

Upon request from the City for information pertaining to a claim against the contractor, contractor shall provide a written/email response, including all requested information, within 14 calendar days of City's request. If a response with all requested information is not provided to the City within 14 calendar days, a penalty of $500 per calendar day will be assessed to the Contractor by the City.

5-13 PUBLIC CONVENIENCE AND SAFETY.

5-13.1 General.

The Contractor may be allowed to close the roadway, or a portion thereof, to traffic during normal work hours upon approval from the Engineer. During any closure, the Contractor shall allow access for residents, schools, trash service trucks, churches and businesses within the affected portion of roadway, except as required for construction for a reasonable period of time. The Contractor shall notify residents as noted within Section 5-18.

The Contractor shall provide and install barricades, delineators, warning devices and construction signs in accordance with the Work Area Traffic Control Handbook (WATCH) prepared by the

Southern California Chapter of the American Public Works Association. During adverse weather or unusual traffic or working conditions additional devices shall be placed as directed by the engineer. All traffic signs and devices shall conform to the current State of California, Department of Transportation (CALTRANS), "Manual of Warning Signs, Lights, and Devices for Use in Performance of Work upon Highways", unless otherwise approved by the Engineer.

Fences, barriers, lights and signs shall be furnished, erected and maintained as necessary to give an adequate warning to the public at all times that the work is under construction and of dangerous conditions to be encountered as a result thereof, and warning and directional signs shall also be erected and maintained as may be required by the City. Should the Contractor fail to furnish a sufficient number of traffic and/or pedestrian safety devices within three (3) hours after being notified, the Owner will place such necessary items and the Contractor shall be liable to the Owner for providing such devices in accordance with the following provisions:

1. For placing of barricades - $15.00 per barricade for each day or part thereof.

   For flashers - $15.00 per flasher for each day or part thereof.

   For traffic cones - $7.50 per cone for each day or part thereof.

2. In the event that the services of the Owner are required outside the normal working hours and/or days or items not noted above are furnished by the City, all costs incurred by the City shall be the responsibility of the Contractor.

The Contractor shall relocate, preserve and maintain the visibility of all signs within the project limits which affect the flow of traffic, as directed by the engineer. Any signs that are missing or found damaged shall be replaced immediately by the Contractor at his expense.

The Contractor shall provide and maintain Class II barricades along excavation edges parallel to the flow of traffic at a spacing of twenty-five feet (25'). Class II barricades mounted with flashers shall be installed around work areas in parkways. Class II barricades shall have alternating black and reflectorized white (or yellow) stripes at an angle of 45 degrees. The stripe with shall be four to six inches.

During paving operations barricades may be supplemented with minimum size eighteen-inch (18") high traffic cones and delineators such that spacing between barricades and/or cones or delineators is no greater than twenty-five feet (25"). At all access points such as intersecting streets, alleys and driveways, barricades and/or cones shall be provided at five-foot (5') intervals so as to prevent vehicular access to the paving area. Where access from an intersecting street is prohibited, a "Road Closed" sign shall be provided. "No Left Turn" sign shall be provided wherever required by the Engineer.

Clearances from traffic lanes shall be 5 feet to the edge of any excavation and 2 feet to the face of any curb, pole, barricade, delineator or other vertical obstruction.

A 4 foot wide pedestrian walkway shall be maintained in the parkway area on each side of all streets, unless otherwise authorized by the Engineer. The minimum clearance from: the edge of pedestrian walkways to any traffic lane shall be 5 feet; the edge of pedestrian walkways to any work zone shall be 3 feet; and the surface of pedestrian walkways to any overhead obstruction shall be 7 feet.

The Contractor shall, at the end of each work day, have backfilled, compacted and placed a temporary drivable roadway surface on all work areas within traveled roadways prior to leaving the job site. Failure to comply to the satisfaction of the Engineer shall result in immediate correction by City forces, and all costs shall be borne by the Contractor.

Traffic control devices shall be marked with the Contractor's name as appropriate. At no time shall any traffic control devices marked with companies or agencies other than the Contractor or subcontractors, be utilized within the work area.

All said traffic controls and safety devices shall be maintained in clean condition, with any and all graffiti removed by the end of workday on which the graffiti was first reported to the Contractor.

If the traffic control devices are deemed unacceptable by the Engineer due to being damaged, dirty, or marked incorrectly, the Contractor shall replace the traffic control devices immediately. Should the Contractor fail to furnish traffic control devices within three (3) hours after being notified, the Owner will place such necessary items and the Contractor shall be liable to the Owner for providing such devices in accordance with the provisions above.

5-13.1.1 Vehicular Access.
At such times as driveways are inaccessible due to the Contractor's work they shall be blocked by two (2) Class II barricades or one (1) Class II barricades and two (2) delineators. Driveways that are ramped or planked for temporary access shall be provided with a delineator at each side.

5-13.1.2 Signage. The Contractor shall furnish, erect and maintain all construction traffic signage as required and specified.

All construction traffic signage shall be in place prior to commencing any work, placed as needed during construction, moved as necessary and removed only upon completion of all work.

All construction traffic signage and controls shall comply with the State of California Manual of Traffic Controls, Warning Signs, Lights and Devices for use in Performance of Work Upon Highways. All construction traffic signage used in the performance of the work shall be a minimum of the encapsulated lens (high intensity) type. All traffic controls and safety devices, equipment and materials, including but not limited to cones, channelizers, delineators, flashing warning lights, barricades, high level warning devices, telescoping flag trees, flags, signs, markers, portable barriers, flashing arrow signs, changeable message signs, markings and flagging equipment shall be provided and maintained in like new condition.

When a Traffic Signal is constructed as a part of the project, the Contractor shall place and maintain for one calendar month, a message board for each approach leg to a new traffic signal. The

message board shall read “CAUTION - NEW TRAFFIC SIGNAL”. The one month period shall begin from the day of activation. This requirement may be lessened or waived, on a case-by-case basis, by the Engineer.

The Contractor shall furnish and properly install, construct, erect, use and continuously inspect and maintain, twenty-four (24) hours per day, seven (7) days per week, including holidays, all said devices, equipment and materials and all temporary and permanent pedestrian and driving surfaces as necessary to provide for the safety and convenience of, and to properly warn, guide, control, regulate, channelize and protect the vehicular traffic, pedestrian traffic, project workers, and the public throughout the entire limits of the work activity and beyond said limits as necessary to include areas affecting or affected by the work, from the date of notice to proceed to the completion and acceptance of the work. Any corrective work required to be performed by City forces shall be charged to the Contractor and paid in full before release of any bonds on the project.

All traffic cones shall be no less than 28 inches in height, except that shorter cones, 12 inches minimum height, may be permitted during striping maintenance operations where the only function of the cone is to separate traffic from the wet paint. All barricades used to delineate traffic at night or placed in or adjacent to the traveled roadway at night, shall be equipped with flashing warning lights.

Channelizers shall be required when lane restrictions, detours or other work conditions need to be maintained for periods longer than normal work hours. Channelizers shall be surface-mounted type and shall be furnished, placed and maintained at the locations shown on the plans or as approved by the Engineer and shall conform to these specifications. Channelizers shall be, at the Contractor’s option, one of the following types, or approved equal: (1) Safe-Hit SH236SMA; (2) Repo “The Replaceable Post”; or (3) Carsonite, “Super Duck” SDF-436.SDF-436.

5-13.2 Traffic Control Plan

The Contractor shall provide a Traffic Control Plan to the agency for approval prior to the scheduled commencement of work. Comments and corrections shall be returned to the Contractor within five (5) working days.

The Contractor shall be required to maintain one lane in each direction when working on the roadway. Access to schools, businesses, etc. shall be maintained as necessary for their operations. If closures are authorized by the Engineer, all detour signage shall be installed prior to closure of specified portion of roadway(s), and shall be maintained during closure.
The Contractor shall make provision to allow pedestrians full access across work areas at existing crosswalks, while working within those areas.

Traffic controls, including but not limited to vehicular and pedestrian traffic controls, maintenance of vehicular and pedestrian access, detours, and street closures shall be in accordance with Subsection 7-1, of the current edition of the "Standard Specifications for Public Works Construction," including all its subsequent amendments, and the current edition of the "Work Area Traffic Control Handbook."

Traffic control and the Traffic Control Plan shall conform to the following:

a. All major streets shall remain open to through-traffic at all times, residential street will be closed to traffic only as long as it takes for material application and drying time.

b. The Traffic Control Plan shall indicate the traffic control requirements for the different types of work to be performed. The Contractor shall be responsible for the preparation of Plans as necessary for specific items of work. These Plans shall be approved by the City's Engineer.

c. All traffic controls and safety devices, equipment and materials, including but not limited to cones, delineators, flashing warning lights, barricades, high level warning devices (flag trees), flags, signs, markers, portable barriers, flashing arrow signs, markings, and flagging equipment shall be provided and maintained in "like new" condition.

d. The Contractor shall furnish and properly install, construct, erect, use, and continuously inspect and maintain, twenty-four (24) hours per day, seven (7) days per week, all said devices, equipment and materials and all temporary and permanent pedestrian and driving surfaces as necessary to provide for the safety and convenience of, and to properly warn, guide, control, regulate, channelize and protect the vehicular traffic, pedestrian traffic, project workers, and the public throughout the entire limits of the work activity and beyond said limits as necessary to include area affecting or affected by the work, from the start of work to the completion of the work.

   In the event the slurry and cape seal ravels, a "loose gravel" (C6) sign shall be placed to adequately warn the public.

e. High-level warning devices (flag trees) are required at all times for any work being performed within the roadway unless otherwise specifically authorized by the City's Engineer.

f. All barricades shall be equipped with flashing warning lights, and all traffic cones shall be no less than twenty-eight inches (28") in height, except that shorter cones, twelve inches (12") high or higher, may be used during striping maintenance operations where the only function of the cones is to protect the wet paint from the traffic.

g. Type III barricades, no less than six feet (6') in length and equipped with two (2) Type "N" markers each and two (2) flashing warning lights each, shall be used to close streets, except as otherwise specifically authorized in advance by the City's Engineer for minor maintenance work of no more than one (1) working days duration on weekdays, or on holidays only, and between 8:00 a.m. and 3:30 p.m. only. Said barricades shall be placed across the full roadway at each point of closure with the distance between

barricades or between barricades and curbs, not exceeding three feet (3'), except that one (1) eleven-foot (11')-wide gap between barricades shall be provided at the center of the street. Barricades to the right of the street's center, facing the inbound vehicular traffic, shall also be equipped with one (1) Type C2 "Road Closed" sign each or one (1) Type C3A "Road Closed to Thru Traffic" sign each.

h. Except for residential streets, as otherwise directed and/or authorized by the City's Engineer, two-way vehicular traffic shall be maintained at all times within two (2) eleven foot (11')-wide lanes on streets, having an effective roadway width of forty-four feet (44') or more with restricted parking, and other streets of lesser widths may be reduced to one (1) twelve-foot (12') wide lane with work activity being limited to one side at a time, and with one-way vehicular traffic being maintained at all times by properly trained and experienced flaggers.

No reduction of the traveled way width shall be permitted on any City street before 8:00 a.m. nor after 3:30 p.m., on weekends or holidays, or when active work is not being done, unless prior authorization to do so is granted by the City's Engineer.

Arrow boards shall be required for all lane closures on major streets.

i. Properly trained and experienced flaggers shall be provided to traffic when said traffic is to be interrupted, when two-way traffic is to be reduced to one-way traffic, and at such other times as is necessary to safely pass the traffic through or around the work area, and when so directed by the City's Engineer.

j. Vehicular access to occupied residential property may be restricted on weekdays other than holidays between the hours of 8:00 a.m. to 3:30 p.m. while essential work activity is taking place, with specific prior written approval from the City's Engineer, providing the Contractor gives the owner and/or resident at least forty-eight (48)-hour advance written and oral notice. See Part 2, "Notification of Residents," herein.

Convenient and safe pedestrian access to occupied residential property shall be maintained at all times. Access to mailboxes must be maintained at all time, such that the postal delivery service is not interrupted.

Access to vacant and unused property may be restricted at the Engineer's discretion. Both vehicular and pedestrian access shall be maintained at all times to all other property except as otherwise specifically authorized in writing by the City's Engineer.

k. Any traffic control and safety devices and equipment being used which becomes damaged, destroyed, faded, soiled, misplaced, worn out, inoperative, lost, or stolen shall be promptly repaired refurbished and/or replaced, and any traffic control and safety devices and equipment being used which are displaced or not in an upright position from any cause, shall be promptly returned or restored to their proper position.

l. An unobstructed view of all signs and warning devices including but not limited to stop signs, stop ahead signs, street names signs, and other regulatory, warning and construction signs, markers, and warning devices shall be maintained at all times. No trucks or other equipment or materials shall be stopped, parked, or otherwise placed so as to obscure said signs, markers, and devices from the view of vehicular and/or pedestrian traffic to which it applies.

m. When entering or leaving roadways carrying public traffic, the Contractor's equipment, whether empty or loaded, shall yield to said public traffic at all times, except where the traffic is being controlled by police officers, fire officers, properly trained and experienced flaggers, or at traffic signalized intersections.

n. Stockpiling and/or storage of materials on any public right-of-way or parking areas will not be allowed without specific permission of the Engineer. Materials spilled along or on said right-of-way or parking areas shall be removed completely and promptly. All stockpile and/or storage areas shall be kept in a safe, neat, clean, and orderly fashion, and shall be restored to equal or better than original condition upon completion of the work.

o. Where vehicular access to abutting property must be restricted, the work shall be so selected, arranged, and scheduled that the person(s) requiring access to said abutting property and/or residents along said streets affected will be able to park within a reasonable distance of not more than five hundred feet (500') from their homes and/or destination. Residents must be supplied written notice of such restrictions a minimum of 48 hours in advance.

p. When work has been completed on a particular street or has been suspended or rescheduled, and said street is to be opened to vehicular traffic, all equipment, "NO PARKING" signs, other obstructions, and unnecessary traffic control devices and equipment shall be promptly removed from that street except as otherwise authorized or directed by the City's Engineer.

q. Should the Contractor be neglectful, negligent, or refuse, fail, or otherwise be unavailable to promptly, satisfactorily, and fully comply with the provisions specified and referred to hereinabove, the City reserves the right

to correct and/or mitigate any situation, which in the sole opinion of the City's Engineer constitutes a serious deficiency and/or serious case of noncompliance, by any means at its disposal at the Contractor's and/or permittee's expense, and will deduct the cost therefore from the Contractor's progress and/or final payment. Such corrective action taken by the City shall not reduce or abrogate the Contractor's legal obligations and liability for proper traffic control and safety measures, and shall not serve to transfer said obligations and liabilities from the Contractor to the City or the City's agents.

r. Violations of any of the above Provisions and/or Provisions of the referenced publications, unless promptly and completely corrected to the satisfaction of the City's Engineer, shall at the sole discretion of the City, be grounds for termination of the Contract, or shut down or partial shutdown of the work, without compensation to the Contractor and/or permittee, or liability to the City, all as prescribed by Contractual obligation or State law, whichever is applicable.

Full compensation for furnishing all labor, materials, tools, equipment, flaggers, lights, channelizers (surface mounted), temporary striping, barricades, portable flashing lights, flashing arrow signs, traffic control and detour plan, and incidentals required to comply with the provisions specified and referred to herein above, to provide all required traffic and pedestrian control for the duration of this contract, all as shown and as specified, shall be paid as specified in Section 01200 of the General Requirements and no other compensation shall be made therefore.

5-13.3 Edison Energized Conductors. The Contractor hereby promises and agrees that in the performance of the Work, he will employ and utilize only qualified persons, as hereinafter defined, to work in proximity to Edison's secondary, primary and transmission facilities. The term "qualified person" is defined as follows:

"Qualified Person". A person by reason of experience or instruction is familiar with the operation to be performed and hazards involved.

Contractor further promises and agrees that the provisions of this paragraph shall be and are binding upon any Subcontractor or Subcontractors that may be retained by it, and that the Contractor shall take such steps as are necessary to insure compliance by said Subcontractor or Subcontractors with the requirements of this paragraph.

5-14 CONTRACTOR'S RESPONSIBILITY FOR DAMAGE.

5-14.1 Responsibility for Damage. The Contractor agrees to and does hereby indemnify, defend and hold harmless the City, its elected officials and the Consultant and their officers, agents and employees from every claim or demand made, and every liability, loss, damage, or expense of any nature whatsoever, including attorney's fees and costs, which may be incurred by reason of:

(a) Liability for damages for (1) death or bodily injury to persons, (2) injury to loss or theft of property, (3) any other loss, damage or expense arising under either (1) or (2) above, sustained by the Contractor or any person, firm or corporation employed by the contractor upon or in connection with the work called for in this agreement, except for the liability resulting from the sole negligence or willful misconduct of the City, its elected officials and their officers, employees and agents who are directly employed by the City and the Consultant; and

(b) any injury to or death of persons or damage to property caused by any fault, neglect, default or omission of the Contractor, or any person, firm or corporation employed by the Contractor, either directly or by independent contract, including all damages due to loss or theft, sustained by any person, firm or corporation, including the City, arising out of, or in any way connected with the work covered by this agreement, whether said injury or damage occurs either on or off City property, provided that any of the foregoing (1) is attributable to personal injury, bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the work itself), including the loss of use resulting there from, and (2) is caused in whole or in part by any act or omission of the Contractor, any subcontractor, any supplier, anyone directly or indirectly employed by any of them or anyone for whose act or omissions any of them may be liable, regardless of whether or not caused in part by any act or omission (active, passive, or comparative negligence included, excepting the active negligence of the District) of a party indemnified hereunder.

(c) The Contractor, at its own expense, cost, and risk shall defend any and all actions, suits or other proceedings that may be brought or instituted against the City, its elected officials, officers, agents and employees and the Consultant, against any such claim, demand or liability, and shall pay or satisfy any judgment that may be rendered against the City, its elected officials, officers, agents or employees, in any such action, suit or other proceedings as a result thereof.

5-15 NO PERSONAL LIABILITY. Neither the City Council, the Engineer, the Consultant, nor any other officer or authorized assistant or agent shall be personally responsible for any liability arising under the contract.

5-16 CONTRACTOR'S RESPONSIBILITY FOR WORK. Except as provided above, until the formal acceptance of the Work by the City, the Contractor shall have the charge and care thereof and shall bear the risk of injury or damage to any part thereof by the action of the elements or from any other cause, whether arising from the execution or from the non-execution of the Work. The Contractor shall rebuild, repair, restore, and make good all injuries or damages to any portion of the work occasioned by any of the above causes before final acceptance and shall bear the expense thereof, except such injuries or damages occasioned by act of the federal government or the public enemy.

The City of Redlands shall not be held responsible for the care or protection of any material or parts of the work prior to final acceptance, except as expressly provided in these specifications.

The City shall not be responsible for security of the Contractors equipment or materials at the site. The City will not be responsible for theft or damage to any property or materials of the Contractor. Security for Contractor's property shall be the responsibility of the Contractor.

5-17 WARRANTY OF WORK. The Contractor shall guarantee the Work against defective materials or workmanship for a period of (1) year from the date of completion date specified in the Notice of Completion, except where longer warranty periods are specifically stated. As specified in Section 2-4 in the GENERAL CONDITIONS, the Performance Bond shall remain in full force and effect during the warranty period.
All work which has been rejected, shall be remedied, or removed and replaced, by the Contractor at his own expense, with work conforming to the Plans and Specifications. Any defective material or workmanship which may be discovered before final acceptance or within (1) one year from the completion date specified in the Notice of Completion shall be corrected immediately by the Contractor at his own expense notwithstanding that it may have been overlooked in previous inspections and estimates. Failure to inspect work at any stage shall not relieve the Contractor from any obligation to perform sound and reliable work as herein described. It is the Contractor's ultimate responsibility to deliver at the time of final acceptance a complete project that complies in all details with these Contract Documents. All items shall be ready to operate.

Any omission or failure on the part of the Owner to discover or notify the Contractor of or to condemn defective work or material at the time of construction shall not be deemed an acceptance, and the Contractor will be required to correct defective work or material prior to final acceptance.

The Owner will endeavor to locate any errors or defective materials or workmanship and call them to the attention of the Contractor prior to subsequent work being performed. However, the Owner is under no obligation to do so and shall not be held liable because errors or defective material or workmanship by the Contractor are not discovered prior to subsequent work.

During the (1) one year warranty period, should the Contractor fail to remedy defective material and/or workmanship, or to make replacements within five (5) days after written notice by the Owner, it is agreed that the Owner may make such repairs and replacement and the actual cost of the required labor and materials shall be chargeable to and payable by the Contractor or his Surety.

Nothing in this section shall be construed to limit the rights of the Owner to immediately correct conditions which may be unsafe or which may pose a public health nuisance. Should said conditions later be found to be caused by defective material and/or workmanship, the Contractor and his Surety shall reimburse the Owner for costs reasonably incurred while attending the situation.

In the event it is necessary for the Owner to file suit to enforce any liability of the Contractor pursuant to this sections WARRANTY OF WORK, the Owner shall be entitled to recover from the Contractor, in addition to all other amounts found due and owing, costs of suit and reasonable expenses and fees, including reasonable attorneys' fees, incurred by the Owner in successfully enforcing the Contractor's obligations, all to be taxed as costs and included in any judgment rendered.

The warranty provided herein shall not be in lieu of, but shall be in addition to any warranties or other obligations otherwise imposed by the Contract Document or by law. The remedies provided herein shall not be exclusive and the Owner shall be entitled to any and all remedies provided by law.

5-18 NOTIFICATION OF RESIDENTS/BUSINESSES. The Contractor shall notify all residents, firms, institutions, agencies, and utility companies which may be affected by the work. Notification shall be by hand delivery of an approved notice within the project limits approved by the City. The notification process shall consist of two notifications, one prior to the start of construction for all properties within the project area and a second notification at least seven days in advance of any activity which may impact each specific property. In the event of any work within the downtown area, the distribution of the second notification shall be at least fourteen days in advance of any activity. Activities impacting said properties and, therefore, requiring the above said notices include the following: the work itself; closure or partial closure of the street; and disallowance of street parking and disallowance of vehicular ingress to or egress from the property.

Said firms, institutions, agencies, and utility companies which must be notified of proposed work shall include, but are not limited to the following: public schools, private schools, day care centers, postal service, hospitals, governmental services, police department, fire department, ambulance services, Omnitrans, solid waste collection, and City street sweeping.

The proposed notice shall be submitted to the Engineer at least seven calendar days prior to the date of distribution for review and approval. The submittal shall also include a map identifying the limits of the work and proposed limits of distribution. The printed notices shall contain a general description of the work to be done, the name of the street with limits, the day and date of the work and the name and telephone number of the Contractor. The notice shall also include a statement that there will be no disruption of trash collection schedules and that trash should be set out by 6:00 a.m. on the scheduled day of pickup. If on-street parking will be affected the notice shall include a statement that no on-street parking will be allowed between the hours of 7:00 a.m. and 5:00 p.m. on the day of work, and a statement that it will be necessary to tow away parked vehicles at the owner's expense per California Vehicle Code CVC 22651L and CVC 22654D.

The Contractor will provide City with the dates and addresses of when project notifications are delivered to affected properties. City will verify the notification process is completed in compliance with the requirements of the specifications. Work will commence when City approves Contractor’s compliance with the requirements set forth in the specifications.

If on-street parking is affected, the Contractor shall also post pre-approved "NO PARKING-TOW WAY" signs on 1 x 2 wood stakes or barricades at one hundred foot (100’) maximum spacing along the affected areas of the street, 48 hours prior to the start of the work. The "NO PARKING-TOW AWAY" signs shall contain the day, date, and hours that parking will be prohibited on that particular street and a statement that parked vehicles will be towed away at owner's expense per California Vehicle Code CVC 22651L and CVC 22654D. The Contractor shall maintain said signs throughout the day of work, and shall start the removal of said signs by 4:00 p.m. and complete the removal by 6:00 p.m. on said day of work or as otherwise directed by the Engineer.

The Contractor shall document the day, date, and time the signs are installed because the no parking restriction cannot be enforced until the signs have been in place 24 hours. Posting of signs on trees, utility poles, light standards and other existing parkway improvement is strictly forbidden.

In the event of street resurfacing operations, the notices to residents shall contain a statement that the street to be resurfaced will be closed to vehicular traffic, and the suggestion that if they require the use of their vehicles on the day of the resurfacing work, they should consider parking their vehicle on a nearby street which is not scheduled for a resurfacing application.

In the event scheduled work is delayed, the Contractor shall immediately remove all "NO PARKING" signs. The contractor must notify all previously notified, in person and with printed notices, that the work will be rescheduled and that they will be re-notified 48 hours in advance. The Contractor shall have an adequate supply of approved notifications for distribution to residents.

Full compensation for conforming to these requirements shall be considered as included in the various Contract items of work involved, and no additional compensation will be allowed therefore.

Failure to comply with this section shall result in a penalty assessment imposed of up to $10,000 per violation at the City's discretion.

SECTION 6 – PROSECUTION AND PROGRESS OF THE WORK

6-1 CONSTRUCTION SCHEDULE AND COMMENCEMENT OF WORK. - *Add the following paragraph:*
Contractor shall notify Underground Service Alert (USA) at 1 (800) 227-2600, two working days prior to starting work, and must submit verification number to the City prior to starting work.

6-1.2 Commencement of the Work. - *Amend the second sentence as follows:*
"The work shall start within 10 days thereafter, and be diligently prosecuted to completion within the Contract Time."

6-3 TIME OF COMPLETION.

6-4.1 General. - *Add the following paragraphs:*
If saturated soil is encountered during construction due to leaks in an existing utility, contractor shall remove saturated material and replace with a suitable backfill material until adequate compaction can be attained by verification from the City's Geotechnical Engineer.

Prior to any removal of saturated material, contractor shall discuss the methods of remediation with the City's representative. Approval from the City, or the City's representative, shall be obtained for any amount of saturated material removal in which the contractor anticipates to be compensated for, if approval is not obtained all costs shall be borne by the contractor.

Up to a 14 day delay in paving operations may be requested after all leaks have been resolved to provide time for excess moisture to dissipate, at no additional cost to the city, in lieu of removing and

replacing the saturated soil. A no cost change order will be prepared to provide the contractor with additional contract time if such delay is requested by the City.

6-9 LIQUIDATED DAMAGES. The value of liquidated damages noted in this section is amended to five hundred dollars ($500) per working day.

6-10 NOTICE AND SERVICE THEREOF. Any notice required or given by one party to the other under the Contract shall be in writing and shall be dated and signed by the party giving such notice or by duly authorized representative of such party. Any such notice shall not be effective for any purpose whatever unless served in the following manner:

Notice shall be given to the Contractor by personal delivery thereof to said Contractor or to his authorized representative at the project site, or by deposing the same in the United States Mail enclosed in a sealed envelope addressed to said Contractor at the address established for the conduct of work under this Contract, certified and with postage prepaid.

Notice shall be given to the Surety, or any other person, by personal delivery to said Surety or other person, or by depositing the same in the United States Mail, enclosed in a sealed envelope addressed to such Surety or persons at the address of said Surety or persons last communicated by him to the party giving the notice, certified and with postage prepaid.

Notice shall be given to the Owner by personal delivery thereof or by depositing the same in the United States Mail enclosed in a sealed envelope, certified and with postage prepaid. The address of record for the owner is:

City of Redlands
Municipal Utilities & Engineering Department
P.O. Box 3005
35 Cajon Street, Suite 15A
Redlands, CA 92373

6-11 PUBLIC RECORDS ACT. All documents, Plans, specifications and all other information relating to the conduct of the City's business, including information submitted by the Contractor, shall become the exclusive property of the City and except as provided by law shall be deemed public records. Said information shall be subject to the provisions of the California Public Records Act (Government Code Sections 6250 et seq.).

Under no circumstances will the City be responsible or liable to the Contractor, submitter or any other party for the disclosure of any records or information submitted to the City, regardless of whether such records or information are labeled "Trade Secret", "Confidential", or "Proprietary" (or words to similar effect) and regardless of whether the disclosure is required by law or a court order or occurs through inadvertence, mistake, or negligence on the part of the City or its officers, employees, and/or Contractors.

The City will not advise as to the nature or content of documents entitled to protection from disclosure under the California Public Records Act, including interpretations of the Act or the definition of

"Trade Secret". The submitting party shall be solely responsible for all determinations made under the Act, and where appropriate for clearly and prominently marking each and every page or sheet of information with "Trade Secret", "Confidential", or "Proprietary". Each submitting party is advised to contact its own legal counsel concerning the California Public Records Act and its applicability to the submitting party's own circumstances.

In the event of litigation concerning the disclosure of any information submitted by the submitting party, the City's sole involvement will be as a stakeholder, retaining the information until otherwise ordered by a court. The submitting party, at its sole expense and risk, shall be responsible for any and all fees and costs for prosecuting or defending any action concerning the information, and shall indemnify and hold the City harmless from all costs and expenses including attorneys' fees, in connection with such action.

SECTION 7 - MEASUREMENT AND PAYMENT

7-3 PAYMENT.

7-3.2 Partial and Final Payment. - *Delete and replace with the following:*
The closure date for the purpose of making monthly progress payments shall be assigned by the Engineer during the pre-construction meeting. Payment, less deductions, unearned work and retention, will be made within 30 days of the closure date. If a dispute exists between the City and the Contractor regarding an item included in the Contractor's Monthly Progress Payment Request, progress payments will be withheld until said dispute is resolved, in which case longer period of time will be required to make such payment. No such payment shall be required to be made, when in the judgment of the Engineer, the total value of the work since the last estimate amounts to less than $500. If, in the opinion of the Engineer, work is not progressing according to the approved schedule, payments may be withheld until the Contractor returns to the approved schedule.

Deductions will be made for: (1) amounts due the Owner for equipment or material furnished or services rendered; (2) amounts due the Owner under the terms of the Contract; (3) amounts of any claims of lien filed with the Owner; (4) accrued amounts of liquidated damages; (5) amounts required to be deducted by Federal, State or local governmental authorities. From the balance thus determined will be deducted the amounts of all previous payments, and the remainder shall constitute the monthly payment due the Contractor.

A retention of five percent (5%) will be withheld from each and every progress payment to the Contractor. This percentage will remain constant throughout the duration of the Contract. The City shall make a progress payment within thirty (30) days after receipt of an undisputed and properly submitted payment request from Contractor pursuant to Public Contract Code section 20104.50.

After completion of the work to the satisfaction of the Engineer, the Engineer shall make a final estimate of the amount of work done. The City shall pay the entire sum so found to be due after deducting there from all previous payments and all amounts to be retained under the provisions of the Contract. All prior partial estimates and payments shall be subject to correction in the final estimate and payment. The final payment shall not be due and payable until the expiration of thirty-five (35) days from and after the recordation of the Notice of Completion filed by the City.

As provided by paragraph 22300 of the California Public Contract Code, the Contractor may substitute securities for any monies withheld by the City to ensure performance under the Contract. Substitute securities shall be deposited in a financial institution in a form acceptable to the City of Redlands. The financial institution shall be located within the City limits of the City of Redlands. The Escrow Agreement to be used is set forth in Public Contract Code section 22300.

7-3.3 Delivered Materials. - *Delete and replace with the following:*
No payment will be made for materials or equipment delivered but not yet incorporated in the work.

7-4.2.6 Extras. Without invalidating the Contract, the City may order extra work or make changes by altering, adding or deducting from the work, the Contract sum being adjusted accordingly and the consent of the Surety being first obtained where necessary or desirable. All the Work of the kind bid upon shall be paid for at the price stipulated on the proposal, and no claims for any extra work or material shall be allowed unless the work is ordered in writing by the engineer and the price is stated in such order.

7-4.2.7 Claims for Extra Costs. No claim for extra work or cost shall be allowed unless the same was done in pursuance of a written order by the Engineer, as aforesaid, and the claim presented with the first estimate after the changed or extra work is done. When work is performed under the terms of the General Conditions, the Contractor shall furnish satisfactory bills, payrolls, and vouchers covering all items of cost and when requested by the City, give the City access to accounts relating thereto.

After completion of the work to the satisfaction of the Engineer, the Engineer shall make a final estimate of the amount of work done. The City shall pay the entire sum so found to be due after deducting there from all previous payments and all amounts to be retained under the provisions of the Contract. All prior partial estimates and payments shall be subject to correction in the final estimate and payment. The final payment shall not be due and payable until the expiration of the thirty-five (35) days from and after the recordation of the Notice of Completion filed by the City.

SECTION 8 - FACILITIES FOR AGENCY PERSONNEL

This section is deleted in its entirety.

SECTION 9 - ASSIGNMENT OF UNFAIR BUSINESS PRACTICES CLAIMS

9-1. In entering into a public works contract or a subcontract to supply goods, services, or materials pursuant to a public works contract, the Contractor or subcontractor offers and agrees to assign to the City all rights, title and interest and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Sec. 15) or under the Cartwright Act (Chapter 2, commencing with section 16700 of part 2 of division 7 of the Business and Professions Code), arising from the purchase of goods, services, or materials pursuant to this public works agreement. This assignment shall be made and become effective at the time the City tenders final payment to the Contractor, without further acknowledgment by the Parties.

SECTION 10 - TRENCHING AND EXCAVATION

10-1. If this contract involves digging trenches or other excavations that extend deeper than (4) feet below the surface, the following shall be done pursuant to California Public Contract Code Section 7104:

A. That the Contractor shall promptly and before the following conditions are disturbed, notify the City in writing, of any:

(1) Material that the Contractor believes may be material that is hazardous waste, as defined in Section 25117 of the Health and Safety Code, that is required to be removed to a Class I, Class II or Class III disposal site in accordance with provisions of existing law.

(2) Subsurface or latent physical conditions differing from those indicated.

(3) Unknown physical conditions at the site of any unusual nature, different materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the contract.

B. That the City shall promptly investigate the conditions, and if it finds that the conditions do materially so differ, or do involve hazardous waste, and cause a decrease or increase in the Contractor's cost of, or the time required for, performance of any part of work shall issue a change order under the procedures described in the contract.

C. That, in the event that a dispute arises between the City and the Contractor whether the conditions materially differ, or involve hazardous waste, or cause a decrease or increase in the Contractor cost of, or time required for, performance of any part of the work, the Contractor shall not be excused from any scheduled completion date provided for by the contract, but shall proceed with all work to be performed under the contract. The Contractor shall retain any and all rights provided either by contract or by law which pertains to the resolution of disputes and protests between the contracting parties.

SECTION 11 - REMOVAL, RELOCATION OR PROTECTION OF EXISTING UTILITIES

11-1. Pursuant to Government Code Section 4215 et seq, the City shall assume the responsibility between the parties to this contract, for the timely removal, relocation, or protection of existing main or trunk line utility facilities located on the site of the construction project for this contract, if such utilities are not identified by the public agency in the plans and specifications made a part of the invitation for bids.

11-2. The Contractor shall be compensated for the costs of locating, repairing damage not due to the failure of the Contractor to exercise reasonable care, and removing or relocating such utility facilities not identified in the plans and specifications with reasonable accuracy and for equipment on the project necessarily identified during such work.

11-3. The Contractor shall not be assessed liquidated damages for delay in completion of the project, when such delay was caused by the failure of the City, or the owner of the utility to provide for removal or relocation of such utility facilities.

11.4. The City shall not be required to indicate the presence of existing service laterals or appurtenances whenever the presence of such utilities on the site of the construction project can be inferred from the presence of other visible facilities, such as buildings, meter and junction boxes, on adjacent to the site of construction, provided, however, nothing herein shall relieve the City from identifying main or trunk lines in the plans and specifications.

11.5. Nothing herein shall preclude the City from pursuing appropriate remedy against the utility for delays which are the responsibility of the utility.

11.6. If the Contractor, while performing the contract, discovers utility facilities not identified by the City in the contract plans or specifications, Contractor shall immediately notify the City and the utility in writing.

11.7. The public utility, when it is the owner, shall have the sole discretion to perform repairs or relocation work or permit the Contractor to do such repairs or relocation work at a reasonable price.

11.8. Contractor shall comply with Government Code Section 4216 through 4216.9.

11.9. Conduits from existing street light and traffic signal systems may be encountered during construction of this project. All removals, relocations, and/or replacements of existing conduit systems shall be performed in accordance with these specifications and City standards, by a qualified electrical contractor. All costs for said work shall be borne by the Contractor and paid as a part of the various items of work requiring such removals, relocations, and/or replacements, and no other compensation shall be made therefore.

SECTION 200 - ROCK MATERIALS

200-2 UNTREATED BASE MATERIALS.

200-2.1 General. - *Amend the first paragraph as follows:*
"Materials for use as untreated base or subbase shall be classified in the order of preference as follows:
Crushed Aggregate Base
Crushed Miscellaneous Base
Pulverized Miscellaneous Base."

200-2.4.1 General. - *Delete the second sentence and replace with the following:*
"The material shall be free of deleterious material as defined in 200-1.1."

200-2.4.2 Grading. - *Amend the first sentence of paragraph 1 as follows:*
"The material shall be uniformly graded and shall conform to the 'fine' gradations:"

200-2.5.1 General. - *Delete the third sentence and replace with the following:*
"The material shall be free of deleterious material as defined in 200-1.1."

200-2.8.1 General. - *Amend as follows:*
Delete the second sentence of paragraph 1 and replace with the following:
"Pulverized miscellaneous base may contain underlying base material."

Delete the third sentence of paragraph 1 and replace with the following:
"The material shall be free of deleterious material as defined in 200-1.1."

SECTION 201 - CONCRETE, MORTAR AND RELATED MATERIALS

201-1 PORTLAND CEMENT CONCRETE.

201-1.1.1 General - *Add the following paragraph:*
The Contractor shall furnish the Engineer in the field with a copy of the mix design to be used, and with a legible certified weighmaster's certificate for each load of PCC delivered to the project. PCC delivered to the project site having a water content and/or slump greater than that specified in the mix design, shall be rejected and removed from the project site.

201-1.1.2 Concrete Specified by Class and Alternate Class - *Amend Table 201-1.1.2.(A) as follows:*

Street Surface Improvements section -
All concrete in this section shall have a minimum compressive strength at 28 days of 22,410 kPa (3,250 pounds per square inch), and meet the requirements of class 330-C-23 (560-C-3250) concrete.

Sewer & Storm Drain Facilities section, Sidehill Surface Drainage Facilities subsection -
All concrete in this subsection shall have a minimum compressive strength at 28 days of 22,410 kPa (3,250 pounds per square inch), and meet the requirements of class 330-C-23 (560-C-3250) concrete.

201-1.4.3 Transit Mixers. - *Replace the first sentence in paragraph 6 with the following:*
The total elapsed time between addition of water at the batch plant and the completion of the discharge of the PCC from the mixer, shall not exceed ninety (90) minutes. All PCC remaining in the mixer, after said ninety (90) minutes time limit, shall be rejected and removed from the project site.

SECTION 203 - BITUMINOUS MATERIALS

203-3 EMULSIFIED ASPHALT.

203-3.1 General. - *Modify the section by adding the following:*

Asphalt emulsion shall be a QUICKSET ANIONIC OR CATIONIC EMULSIFIED ASPHALT conforming to the requirements of Subsection 203-1.3, "Test Reports and Certification", and Subsection 203-1.2, "Testing Requirements" of the Standard Specifications.

The latex additive shall be Ultra Pave 70 (for anionic) or Ultra Pave 65 K (for cationic) or an approved equal. The latex shall be added at the emulsion plant after weighing the asphalt and before the addition of mixing water. The latex shall be added at a rate of two to two-and-one-half (2 to 2.5) parts to one-hundred (100) parts of emulsion by volume.

203-5 SLURRY SEAL.

203-5.1 General. - *Delete the sentence and replace with the following:*
Slurry seal shall be emulsion-aggregate slurry (EAS) conforming to 203-5.4.

203-5.2 Mix Design. - *Modify the section by adding the following:*

(f) Admixtures, such as Portland Cement or aluminum sulfate may be mixed into the slurry material to adjust curing time such that the applied slurry can support vehicular traffic within 60 minutes.

(g) Use of slag shall not be permitted.

(h) Deliveries of aggregate and emulsion shall not be made without the engineer present. Emulsion is not to be transferred to an on-site storage tanker without the sieve test performed by the City.

203-5.3.2 Grading. - *Delete the sentence and replace with the following:*
The combined aggregate gradation shall be determined in accordance with ASTM C136 and conform to Type II requirements shown in Table 203-5.3.2 (A).

203-5.4.1 General. – *Modify the paragraph and replace with the following:*
EAS shall be a stable mixture of emulsified asphalt, aggregate, water, a set control agent, and latex. EAS shall be Type II-CQS-1h-EAS.

203-5.4.2.1 Aggregate. – *Delete the sentence and replace with the following:*
Aggregate shall be Type II conforming to 203-5.3.

203-5.4.2.2 Emulsified Asphalt. – *Modify the first paragraph and replace with the following:*
Emulsified asphalt shall be quick-set, and contain latex. Quick-set emulsified asphalt shall be CQS-1h conforming to 203-3.

203-6 ASPHALT CONCRETE.

203-6.1 General. - *Add the following paragraph:*
Unless otherwise approved by the Engineer, asphalt concrete for paving shall be C2-PG 64-10 (1/2") for finish paving or B-PG 64-10 (3/4") for base paving. Asphalt concrete for Type D1 or Type D2 curb shall be D2 –PG 70-10.

SECTION 206 - MISCELLANEOUS METAL ITEMS

206-7 TRAFFIC SIGNS.

206-7.1 General. The Contractor shall furnish or relocate and erect all traffic signage as required and specified.

All new traffic signage shall be a minimum of the encapsulated lens (high intensity) type, have an anti-graffiti protective covering and be installed on new posts. All traffic signage to be relocated shall be installed on new posts.

206-7.2 Protective Covering. Anti-graffiti protective covering shall be Type 1150-POF, manufactured by 3M Company, or approved equal.

206-7.3 Post and Base. New posts and bases shall be Ultimate Sign Support System as manufactured by Western Highway, or approved equal.

SECTION 207 – GRAVITY PIPE

207-2 REINFORCED CONCRETE PIPE (RCP).

207-2.1 General. - *Add the following sentences to paragraph 2:*
The minimum D-load for any RCP shall be 1,350. The minimum size for RCP shall be 18 inches (457 mm) unless otherwise approved by the Engineer.

SECTION 211 - MATERIAL TESTS

211-1 COMPACTION TESTS.

211-1.4 General. The Contractor shall be responsible for all quality control for all work. The Contractor shall complete all necessary testing to ensure the quality requirements within the specifications are achieved. The Contractor shall conduct the compaction testing by a geotechnical engineering firm and the results of the testing shall be made available to the Engineer.

The City will complete assurance testing throughout the project by an independent testing firm. The City will perform the first compaction test required at any location. If such test does not meet the required specifications, the City will make additional tests until the required compaction is obtained and withhold from the final payment due the Contractor, the cost of all such additional tests. To be acceptable, tests must be ordered and witnessed by the City. Tests will be ordered by the City and performed at a location and depth as directed by the City. The Contractor shall assist the City in performing these tests as necessary. The Contractor shall provide to the City the maximum dry density and the optimum moisture content results of backfill and bedding material when requested by the City.

SECTION 214 - TRAFFIC STRIPING, CURB AND PAVEMENT MARKINGS, AND PAVEMENT MARKERS

214-4 PAINT FOR STRIPING AND MARKINGS.

214-4.1 General. - *Amend the first sentence in paragraph 4 as follows:*
"Glass beads conforming to 214-3 shall be mechanically applied at a rate of 0.6 to 0.8 kg of beads per liter (5 to 7 pounds of beads per gallon)."

SECTION 300 - EARTHWORK

300-1 CLEARING AND GRUBBING.

300-1.1 General. - *Amend as follows:*

Amend paragraph 3 as follows:
"The natural ground surface shall be cleared of all vegetable growth, such as trees, logs, upturned stumps, roots of downed trees, brush, grass, weeds, shrubs, ground cover, tree stumps, decorative landscape rocks, edging, railroad ties, other decorative landscape treatments, boulders, rock, portland cement concrete, and all other objectionable materials, within the limits of construction."

Add the following paragraphs:
Grubbing and removal of organic debris shall include the repair and/or replacement of all parkway irrigation piping and systems necessary to perform work on this Contract and capping pipelines until such time that permanent repairs and/or replacements have been made.

All debris removed from the project site under this item shall be disposed of at an approved dump site. All transportation costs and dump fees shall be borne by the Contractor.

Clearing and Grubbing shall include, but is not limited to, the following:

1. Removal of existing AC berms.

2. Removal of all curb and gutter, cross gutters, and spandrels shall be replaced within three (3) calendar days. The Asphalt Concrete patch for areas with curbs and gutters removed and replaced shall be placed within two (2) working days after the curb and gutter, cross gutters, and spandrels are replaced. Removal of all sidewalks shall be replaced within three (3) calendar days.

3. Saw cut and removal of poles, posts, PCC pavements, curb, gutter, and sidewalk. Holes resulting from removal of existing poles and posts from existing PCC, AC pavements and curbs and gutters, shall be filled or patched with like materials. Self-propelled drop hammers will not be allowed for removals.

4. Removal of all raised pavement markers not conforming to the approved plan or conflicting with the proposed striping as shown on the plans in accordance with Subsection 312-3, Removal, of the Standard Specifications.

5. Removal and disposal of boulders, rock or PCC.

6. All trees and shrubs less than 3m (9 ft) directly above the entire sidewalk surface shall be trimmed and removed by the contractor to allow a clear path of travel for pedestrians.

7. Irrigation system relocation:

   Any irrigation systems in conflict with the proposed improvements that are removed, damaged, disturbed, or broken shall be modified, repaired, and/or replaced to be operable and provide full irrigation coverage to the areas requiring irrigation using new materials, equal or better than the original materials, with 20 mm (3/4 in) Schedule 40 PVC being the minimum acceptable for underground lines and 13 mm (1/2 in) Schedule 80 being minimum acceptable for risers and with the systems not being out of operation for more than two (2) days. No payment for work associated with the irrigation repair will be released, until all irrigation is complete, operable and accepted by the City.

   All trees, shrubbery and lawns deprived of normal irrigation watering due to a disruption of service caused by the Contractor's operations shall be regularly and thoroughly irrigated by the Contractor so that said plantings will not be damaged. If any trees, shrubbery or lawns die or suffer unacceptable damage as a result of or precipitated by the Contractor's operations the Contractor shall replace same with the same plant species and size. Existing grass lawns within areas that must be excavated and/or re-graded shall be cut into approximate 305 mm (1 ft) squares, removed, protected, cared for and replaced as soon as possible. Dead, dying, and unacceptably damaged grass shall be replaced with new grass sod.

8. Existing inlets, slotted drains, drainage pipes, concrete gutters, drainage pipes, where any portion of such structure is within 1m of the grading plane in the excavation areas, or within 300 mm (1 ft) of original ground in embankment areas, or where shown on the plans to be removed, shall be completely removed and disposed of accordingly.

9. Removal and disposal of existing drainage inlet structure and PCC or AC apron.

10. The Contractor shall dispose all materials not being salvaged outside of the right-of-way and shall pay for all costs for disposal.

11. Removal and disposal of any abandoned utilities that may interfere with the improvements.

12. Self-propelled drop hammers will not be allowed for removals.

300-1.3.1 General. - *Add the following paragraphs:*

The Contractor shall dispose portland cement concrete, stone rubble, and brick at an approved dump site.

All reprocessed asphaltic cement concrete may be placed as the lower course of crushed aggregate base material. If the Contractor chooses not to reprocess the material, disposal at an approved dump site shall be required. All costs for disposal shall be borne by the Contractor. If the Contractor chooses to reprocess material, it shall be protected and remain contaminate-free, otherwise disposal at an approved dump site will be required with all costs borne by the Contractor.

All reprocessed asphaltic cement concrete to be used as crushed aggregate base shall be ground to conform to Section 200-2.2.

300-1.3.2 (a) Bituminous Pavement. - *Amend the following:*

Amend the second sentence as follows:
"Saw cutting of edges to be joined shall be with a power-driven saw. The groove shall be cut to a minimum depth of 4 inches (102 mm)."

Amend the third sentence as follows:
"Where bituminous pavement is to be removed, a cold mill header cut of maximum 6 feet (1.8 m) in width perpendicular to the join line shall be made, and a minimum laying depth of 1 inch (25mm) of new pavement material shall be provided at the join line."

Amend the fourth sentence as follows:
"The edges of existing concrete pavement adjacent to the trench shall be saw cut to neat straight lines for the purpose of removing the damaged pavement areas."

Add the following sentence:
Work under this item shall include asphalt concrete berms.

300-1.3.2 (b) Concrete Pavement. - *Amend the following:*

Amend the second sentence as follows:
"Saw cuts shall be made to a minimum depth of 4 inches (102 mm)."

Amend the third sentence as follows:
"If a saw cut in concrete pavement falls within 5 feet (1.5 m) of a construction joint, cold joint, expansion joint, or edge, the concrete shall be removed to the joint or edge."

300-1.3.2 (c) Concrete Curb, Walk, Gutters, Cross Gutters, Driveways and Alley Intersections. - *Amend the following:*
Amend the first sentence as follows:
"Concrete shall be removed to neatly sawed edges with saw cuts made to a minimum depth of 4 inches (102 mm)."

Amend the third sentence as follows:

"No section to be replaced shall be smaller than 36 inches (1 m) in either length or width."

Amend the fourth sentence as follows:
"If the saw cut in sidewalk or driveway would fall within 36 inches (914 mm) of a construction joint, expansion joint, or edge, the concrete shall be removed to the joint or edge, except that where the saw cut would fall within 12 inches (300mm) of a score mark, the saw cut shall be made in and along the score mark."

Amend the fifth sentence as follows:
"curb and gutter shall be sawed to a depth of 4 inches (102 mm) on a neat line at right angles to the curb face."

300-1.3.2 (d) Striping and Markings. All existing striping, markings and raised pavement markers shown to be removed or necessary to be removed from paving areas. This item includes removal in compliance with applicable laws and cleanup of residue from the operation.

All striping, markings and raised pavement markers removed beyond the limits shown on the plans for and/or at the convenience of the Contractor shall be replaced at the Contractor's expense.

300-1.3.2 (e) Structures. All existing concrete structures (reinforced or non-reinforced) as shown on the plans to be removed or abandoned, including but not limited to, undersidewalk drains, manholes, headwalls, bulkheads, drop inlet structures, energy dissipaters, catch basins, vaults and pipelines. Abandonment shall include all cuts and concrete plugs necessary to seal ends or openings of abandoned pipes or structures.

300-1.3.2 (f) Rock Curbs. All rock from rock curb removals, as shown on the plans or required for construction of the project, shall be transported, delivered and unloaded at a storage site as directed by the Engineer.

300-1.3.2 (g) Miscellaneous Removals. All other removals of facilities, as shown on the plans but not covered under separate bid items, and any underground facilities found during the work and not shown on the plans shall be performed. The City has endeavored to show all known underground facilities but is not responsible for unknown or abandoned facilities. Unknown underground facilities shall be paid as extra work.

300-1.3.2 (h) Miscellaneous Relocations. All relocation work as shown on the plans or required for construction of the project, but not covered under separate bid items, shall be included as a part of Subsection 300-1 Clearing and Grubbing. All relocation work performed as a part of clearing and grubbing work shall conform to the requirements and specifications of the agency or utility having jurisdiction over the item to be relocated.

300-1.4 Payment. - *Add the following sentence to paragraph 1:*
Payment for work on this item shall be made as a percentage of the work completed at each monthly payment.

300-2 UNCLASSIFIED EXCAVATION.

300-2.2.2 Wet Material. - *Amend the second sentence of the paragraph:*
"If such high moisture content is not the result of any action on the part of the Contractor, or inaction in protecting the work during the course of the contract, the work involved will be paid for in the following manner: Over-excavation and disposal work shall be considered "extra work," with backfill and compaction of crushed aggregate base paid under the appropriate bid item in these specifications."

300-12 MISCELLAENOUS GRADING. The parkway, whether landscaping exists or not, shall be graded and compacted to achieve drainage towards the street at a slope of 2%. Grading shall be coordinated such that it is the last item of work to be completed, prior to site clean-up. Loose material and dirt shall be raked, compacted and distributed throughout the parkway area. Areas adjacent to installed improvements must be graded to a level within one inch from the finished surface. Extra dirt/fill shall be removed from the project in accordance with Specifications.

The Contractor, at his expense shall photo-document pre-construction conditions prior to starting excavating. After construction is completed, the Contractor shall photo-document the finished grade. The Contractor shall provide the City with said photos with addresses identifying each property location, the direction the photograph was taken (facing North, South etc). The Contractor shall keep a copy of the photos (either electronically or hard copy) and provide the City with electronic copies of the photos.

SECTION 301 - TREATED SOIL, SUBGRADE PREPARATION AND PLACEMENT OF BASE MATERIALS

301-1 SUBGRADE PREPARATION.

301-1.3 Relative Compaction. - *Amend the second sentence of paragraph 1 as follows:*
"When base material, curb, gutter, alley pavement, driveways, or sidewalks are to be placed on the subgrade material, the top 6 inches (150mm) of such subgrade material shall be compacted to a relative compaction of 95 percent."

301-2.1 General. – *Add the following paragraphs:*
The contractor shall use 'crushed aggregate base' or 'crushed miscellaneous base, fine graded' as the base material. The use of 'processed miscellaneous base,' 'select subbase,' or 'disintegrated granite' shall not be used as base material.

The contractor may use 'pulverized miscellaneous base' (grindings) as part of the crushed base material. Said grindings shall be uncontaminated and placed in an even thickness as the lower course of crushed base material. Spreading and compacting shall comply with Sections 301-2.2 and 301-2.3.

301-2.3 Compacting. – *Amend the second sentence of paragraph 3 as follows:*
"Compaction in the excepted areas shall be as specified in 211-1 with each layer of compacted base material having a minimum relative compaction of 95 percent."

301-2.4 Measurement and Payment. – *Add the following paragraph:*
Payment shall be made for cold-planing, storing, placing, and compacting reprocessed asphalt concrete pavement (grindings) as part of the crushed aggregate base (CAB) material. The volume of grindings placed shall be figured and a tonnage figure computed using 9.35 kg/m^3 (150 pounds per cubic foot). This tonnage figure shall be paid as part of the crushed aggregate base tonnage for this project.

301-7 FULL DEPTH RECLAMATION WITH MECHANICAL STABILIZATION (FDR-25)

301-7.1 Description. This rehabilitation alternative consists of pulverizing the existing asphalt concrete (AC) layer along with the underlying unbound material to a depth of 6, 9 or 12 inches per plan and specifications. The properties of this layer are considered to be similar to an Aggregate Subbase material with a modulus of at least 25 ksi.

The manufacture of the recycled base course shall be done in-place by pulverizing and blending the existing AC layer and base materials, if present. The process shall be accomplished in accordance with these specifications and conform to the lines and grades shown in the plans or as established by the engineer.

301-7.2 Construction. The asphalt concrete surfacing and underlying base materials shall be pulverized such that 100 percent of the material will pass a two-inch sieve and a minimum of 90 percent will pass a one and one-half inch sieve. All materials other than rock and pulverized asphalt concrete shall be broken up such that these materials will pass a one inch sieve. The pulverized materials shall be free of roots, weeds, wood, and construction debris. All grass and other vegetation shall be removed from the edge of the exiting pavement or lip of gutter pan to prevent contamination of the pulverized bituminous material during the milling operation.

Trimming and disposal of excess material, if required, will be performed on the intimate mixture of pulverized asphalt concrete, base materials and subgrade soil. Excess pulverized material is the surplus that results after trimming and grading the pulverized pavement section to the lines and grades matching existing and/or per plans and specifications.

Do not start pulverized roadbed activities if the ambient air temperature is below 40F. If the ambient air temperature falls below 40F, you may only compact and finish pulverized roadbed. Before starting daily pulverized roadbed activities, sweep the pulverized roadbed area constructed the previous day to remove loose material.

301-7.3 Surface Preparation. Before pulverized roadbed activities start, prepare the existing roadway surface by:

1. Clearing foreign matter including vegetation
2. Removing standing water
3. Referencing the profile and cross slope
4. Marking the proposed longitudinal cut lines on the existing pavement as follows:

4.1. Cut lines must coincide with points where the existing cross slope changes, approximately at the centerline and edge of traveled way
4.2. Cut lines must indicate the sequence of the cuts
5. Referencing existing lane lines and striping layout

Final subgrade surface shall slope away from the street centerline to a maximum of 3% grade. Pulverized asphalt material must be used as base material to meet new cross slope requirements. Native sub-grade material may need to be hauled off to allow for the use of all pulverized base material. No additional compensation will be allowed for any sub-grade removal and haul-off if required. Any contaminated material will be removed and disposed of by the contractor off site at his expense. Any shortage of material, caused by premature disposal of the indicated surplus material by the contractor, shall be replaced by it and no additional compensation will be allowed for such replacement.

301-7.4 Spreading, Mixing, and Compacting. Do not use a heating device to soften the pavement. Remove any visible oversized materials in the pulverized roadbed mixture prior to shaping and compacting. If you encounter unstable subgrade or rocks greater than 4 inches in the roadway section, notify the Engineer. The Engineer determines the extent of the unsuitable material and the corrective measures to be taken.

According to the Section 301-2.3, the compaction shall always be commenced along the edge of the area to be compacted and the roller shall gradually advance toward the center of the area to be compacted. Rollers shall be operated along lines parallel or concentric with the centerline of the road being constructed, and no material variation therefrom will be permitted. All rollers must be maintained in good mechanical and working condition.

The relative compaction of each layer of compacted base material shall not be less than 95 percent. ASTM D2922, Methods of Density of Soil and Soil Aggregate in Place by Nuclear Methods, (or ASTM D1556). After compaction, the sub-grade shall be firm, and unyielding.

301-7.5 Finishing. The finished pulverized roadbed surface must not vary more than 0.05 foot from the lower edge of a 12-foot straight edge laid in directions parallel and perpendicular to the centerline. Variations within the above specified tolerances shall be compensating so that the average grade and cross section specified are met. The finished surface must be free from segregation, tearing, and scarring, and have a uniform surface texture throughout the work limits.

301-8 FULL DEPTH RECLAMATION WITH CEMENT STABILIZATION (FDR-200)

301-8.1 Description. This rehabilitation alternative consists of pulverizing the existing asphalt concrete (AC) layer along with the underlying unbound material to a depth of 6, 9 or 12 inches per plan and specifications. The properties of this layer are considered to be similar to an Aggregate Subbase material with a modulus of at least 200 ksi.

The manufacture of the recycled base course shall be done in-place by pulverizing and blending the existing AC layer and base materials, if present, and adding cement. Micro-cracking of the completed cement stabilized surface is required before HMA is to be placed directly on top of the cement treated surface, regardless of the AC thickness. The process shall be accomplished in

accordance with these specifications and conform to the lines and grades shown in the plans or as established by the engineer.

The cement content must be 2% by dry weight of FDR with cement with a dry unit weight of 130 lb/cu ft for 6" FDR section. The cement content must be 3% by dry weight of FDR with cement with a dry unit weight of 130 lb/cu ft for 9" FDR section. The cement content must be 4% by dry weight of FDR with cement with a dry unit weight of 130 lb/cu ft for 12" FDR section. Cement must be Type II or Type V Portland cement specified in ASTM C 150/150M.

301-8.2 Construction. The asphalt concrete surfacing and underlying base materials shall be pulverized such that 100 percent of the material will pass a two-inch sieve and a minimum of 90 percent will pass a one and one-half inch sieve. All materials other than rock and pulverized asphalt concrete shall be broken up such that these materials will pass a one inch sieve. The pulverized materials shall be free of grass and vegetation, and construction debris to prevent contamination of the pulverized materials. Mixing shall continue until, and at the speed of the recycling unit adjusted to ensure, a homogenous mixture of the above materials and pulverized materials are achieved.

Trimming and disposal of excess material, if required, will be performed on the intimate mixture of pulverized asphalt concrete, base materials and subgrade soil. Excess pulverized material is the surplus that results after trimming and grading the pulverized pavement section to the lines and grades matching existing and/or per plans and specifications. Excess pulverized material shall consist of non-treated well mixed pulverized AC pavement and subgrade.

Do not start pulverized roadbed activities if the ambient air temperature is below 40F. If the ambient air temperature falls below 40F, you may only compact and finish pulverized roadbed. Before starting daily pulverized roadbed activities, sweep the pulverized roadbed area constructed the previous day to remove loose material.

301-8.3 Surface Preparation. Before pulverized roadbed activities start, prepare the existing roadway surface by:

1. Clearing foreign matter including vegetation
2. Removing standing water
3. Referencing the profile and cross slope
4. Marking the proposed longitudinal cut lines on the existing pavement as follows:
   4.1. Cut lines must coincide with points where the existing cross slope changes, approximately at the centerline and edge of traveled way
   4.2. Cut lines must indicate the sequence of the cuts
5. Referencing existing lane lines and striping layout

Final pavement surface shall slope away from the street centerline to a maximum of 3% grade. Pulverized material must be used as base material to meet new cross slope requirements. Native sub-grade material may need to be hauled off to allow for the use of all the pulverized base material. No additional compensation will be allowed for any sub-grade removal and haul-off if required. Any contaminated material will be removed and disposed of by the contractor off site at

his expense. Any shortage of material, caused by premature disposal of the indicated surplus material by the contractor, shall be replaced by it and no additional compensation will be allowed for such replacement.

301-8.4 Spreading, Mixing, and Compacting. Do not use a heating device to soften the pavement. Remove any visible oversized materials in the pulverized roadbed mixture before shaping and compacting. If you encounter unstable subgrade or rocks greater than 4 inches in the roadway section, notify the Engineer. The Engineer determines the extent of the unsuitable material and the corrective measures to be taken.

Recycling shall be performed to the depth provided in the plans, while incorporating stabilizing agents, mineral filler, additional aggregate and water. Mixing shall continue until, and the speed of the recycling unit adjusted to ensure, a homogenous mixture of the above materials and pulverized materials is achieved. Pre-cutting, grading and light compacting of the recycled material shall be performed prior to incorporation of the stabilizing. Spread cement uniformly over the full roadway surface width. Do not spread cement more than 30 minutes before mixing. Do not apply dry cement in windy conditions that will result in dust outside the FDR with cement area. The application rate must be the mix design rate or the ordered application rate in lb/sq yd ± 0.5 percent. The application rate of all stabilizing agents shall be continuously monitored. If the measured application rate falls outside the above tolerance, then the recycling operations shall be stopped and corrected before proceeding. Do not spread cement and aggregate before pulverizing.

Water must be injected through the pulverizing machine. The injection rate of mixing water must be sufficient to produce the FDR with cement material mixing moisture content. The water content of the stabilized material shall be monitored closely to ensure proper compaction. Mark where the center of the pulverizing drum stops. Start the following cut on this alignment at least 2 feet behind the mark. Before compacting, remove solids larger than 3 inches in any dimension by hand.

Immediately after pulverizing and mixing, compact FDR with cement to the minimum relative compaction. Do not allow more than 2 hours between final mixing of the pulverized material with cement and completion of initial compaction before trimming. During grading and final compaction add water to maintain the mixing moisture content as described in the mix design. Do not allow more than 2 hours to elapse from the time water is added to the aggregate and cement to completion of final compaction after trimming.

Longitudinal joints between adjacent stabilization passes shall be overlapped at least 4 inches. Transverse joints between the recycling process shall be saw-cut, if necessary, to provide a vertical clean face to ensure proper compaction. Compaction of cementitious stabilizer begins within 20 minutes after mixing and achieving gradation and moisture requirements.

According to the Section 301-2.3, the compaction shall always be commenced along the edge of the area to be compacted and the roller shall gradually advance toward the center of the area to be compacted. Rollers shall be operated along lines parallel or concentric with the centerline of the road being constructed, and no material variation therefrom will be permitted. All rollers must be maintained in good mechanical and working condition.

The relative compaction of each layer of compacted base material shall not be less than 95 percent. ASTM D2922, Methods of Density of Soil and Soil Aggregate in Place by Nuclear Methods, (or ASTM D1556). After compaction, the sub-grade shall be firm, and unyielding.

Construction joints shall have vertical faces and shall be made in thoroughly compacted material. Additional mixture shall not be placed against the construction joint until the joint has been approved by the Engineer. The face of the cut joint shall be lean and free of deleterious material and shall be kept moist until the placing of the adjacent FDR with cement.

301-8.5 Finishing. Once the entire working width (full lane width plus effected shoulder width) has been stabilized, and only after primary compaction has been completed, the entire working width shall be graded to the required profile and cross-slope. Disturbance to the stabilized and primary compacted material shall be kept to a minimum during this grading and shaping operation.

The finished pulverized roadbed surface must not vary more than 0.05 foot from the lower edge of a 12-foot straight edge laid in directions parallel and perpendicular to the centerline. Variations within the above specified tolerances shall be compensating so that the average grade and cross section specified are met. The finished surface must be free from segregation, tearing, and scarring, and have a uniform surface texture throughout the work limits.

Immediately after compaction, apply water and roll with no vibration. The finished surface must be free of ruts, bump, indentations, segregation, raveling, and any loose material.

The completed cement treated subgrade shall be moist cured continuously until it is in a firm and unyielding condition. The cement treated subgrade shall be kept free from heavy traffic during the curing period or until the asphalt concrete surfacing is placed whichever is less, unless otherwise directed by the Engineer. Moisture curing shall be the only method of curing prior to micro-cracking.

Micro-cracking shall be performed with several vibratory roller passes 48 to 72 hours after finish grading to prevent severe, wide cracks from forming thus reduces the potential for reflective cracking through the HMA layer. Micro-cracking shall be performed before the application of asphaltic emulsion curing seal. After micro-cracking is complete additional moisture curing may be used. Any additional water required to achieve maximum density shall be applied by spraying the surface of the stabilized material with light applications. Care shall be taken so as not to over-apply additional water to any areas of the stabilized material.

While open to traffic and before placing HMA, maintain the FDR with cement surface free of ruts, bumps, indentations, raveling, and segregation. If FDR with cement material is damaged, it shall be repaired by removing and replacing the entire depth of affected layers in the damaged area. Feathering will not be permitted for repair of low areas.

Asphaltic emulsion curing seal must be applied on the completed cement treated base immediately before placing HMA. Asphaltic emulsion curing seal must comply with Caltrans Standard Section 94, Grade SS1 or CSS1. Dilute and thoroughly mix asphaltic emulsion for curing seal at a ratio of 1 part water to 1 part asphaltic emulsion. The water must no cause premature separation of the

emulsion. Uniformly apply the diluted curing seal at a rate of 0.1 gal/yd2 of cement treated base surface.

SECTION 302 - ROADWAY SURFACING

302-4 SLURRY SEAL SURFACING.

302-4.3.1 General. – *Add the following paragraphs:*
All slurry mixing machines shall be equipped with a Fines Feeder for the adding of cement or granular Aluminum Sulfate.

Prior to the beginning of slurry operations, the Contractor shall furnish, at no cost to the City, current licensed weigh master's certificates indicating the net weight capacity of the aggregate bin. The Contractor shall provide a drive upon scale at the project site or an alternate site approved by the City. The drive on scale shall show the net weight of the aggregate bin on each slurry machine before the machine and product will be approved for applying slurry on the project.

All slurry machines are to carry, at all times, a calibrated emulsion measuring stick. The emulsion measuring stick is to be calibrated in 10-gallon increments to the slurry machine it is used on. Emulsion measuring sticks from other slurry machines will not be allowed to measure the gallons of emulsions on the slurry machines they were not calibrated to. The emulsion measuring stick is to have the slurry machine number or identification permanently marked on the stick. The gallons of emulsion are to be measured with a calibrated emulsion measuring stick and recorded before leaving and after returning to materials site. Use of a slurry machine will not be allowed if it does not have a calibrated emulsion measuring stick.

The Contractor shall furnish prior commencing work, a calibrated stick in 10-gallon increments to measure the oil in the trailer storage tanks in gallons. The measuring stick shall be calibrated to the trailer storage tank it is used on. The inspector shall check the oil in each load "in and out" and in the storage tanks at the beginning and end of each day to determine the amount of emulsion used for that day. Emulsion is not to be transferred from delivery tank to on-site storage tank before the City performs the sieve analysis on the emulsion. Aggregate used in the slurry shall not exceed a moisture content of four percent (4%) by weight of dry aggregate.

Contractor may not schedule more than 150 tons of slurry to be placed per day. Slurry may not be applied at more than 150 feet per minute.

The Contractor shall provide a self-propelled 10 ton pneumatic roller with a tire pressure of 50 PSI and equipped with a water spray system. The Contractor shall roll the required streets the same day they are slurried. The Contractor will be responsible for proper scheduling of the work such that the rolling can be properly done within the given time constraint. Failure to comply shall result in a $250.00/calendar day liquidated damage being assessed per incident. The cost of furnishing the roller and operator shall be included in the price paid for slurry seal.

The Contractor is hereby advised that City streets, parking lots, or other City-approved property will not be allowed as a site for stockpiling and batching. Arrangements for an acceptable site shall be the sole responsibility of the Contractor.

The Contractor shall sweep any raveled material on the street one (1) week after the initial placement. If the Engineer determines the raveling is excessive, the frequency of sweeping shall be adjusted to the field conditions of the raveling. If raveling continues within two (2) weeks of the initial placement, the street shall be swept and reslurried with a Type I mixtures (Local Streets) or a Type II (Arterial/Collector Streets) at no cost to the City. Raveling can be identified by the presence of "black pebbles" in the gutter.

The Contractor shall remove any and all weeds that are growing through cracks from the project street located within the pavement or growing between the concrete gutter and the pavement and spray a herbicide mixture of either Hyvar mixed with Roundup or Pramatol mixed with Roundup, or approved equal, at least fourteen (14) calendar days prior to slurrying. The herbicide mixture shall contain Blazon, or approved equal, a purple dye to easily confirm the herbicide has been applied. The work shall be approved by the Engineer or his representative prior to slurrying. Full compensation for plant removal and herbicide treatment shall be considered as included in the unit cost for slurry seal.

Longitudinal joints must correspond with lane lines. You may request other longitudinal joint patterns if they do not adversely affect the slurry seal. Spread slurry seal in full lane widths. Do not overlap slurry seal between adjacent lanes more than 3 inches. Use a material, such as building paper at transverse joints and over previously placed slurry seal to prevent double placement. Remove the material after use. Use hand tools to remove spillage.

Full compensation for developing a water supply, for furnishing and placing all water required for work done in the Contract, including extra work shall be included in the prices paid for the various items of work requiring water; and no separate payment will be made therefore. The Contractor shall supply the City with licensed weighmaster's certificates of weight for all delivered aggregates to the job during the course of each day. Aggregate shall be delivered to the project only in the presence of a City representative. The Contractor shall also present weighmaster certificates for the amount of such aggregate remaining at the completion of the project at no cost to the City. Payment shall be determined by the amount that is physically placed, which cannot exceed the amount that is delivered to the job site with the certified weighmaster tickets. There shall be not outside work done utilizing materials from the tanks or stockpiles stored for the City's Contract.

Prior to storing aggregate on private property, the Contractor shall submit to the Engineer written permission from the property owner for such stockpiling.

Precautions shall be taken to ensure that stockpiles do not become contaminated with oversized rock, clay, silt, or excessive amounts of moisture. The stockpiles shall be kept in areas that drain readily. Segregation of the aggregate will not be permitted.

The Contactor shall protect the wet slurry from traffic at all times and if damaged or defaced, the Contractor shall repair said damage at no additional cost to the City.

The placement of slurry seal may be suspended with the concurrence of the Engineer due to unsuitable weather, temperature conditions, or other conditions that are considered unfavorable for the prosecution of the work. The Contractor shall immediately comply with the order of suspension by the Engineer, and work shall not be resumed until authorized by the Engineer.

302-4.8 Spreading and Application. - *Add the following paragraphs:*
Prior to applying slurry seal, the Contractor shall clean, to the satisfaction of the Engineer, the street surface with a power sweeper, remove all R.P.M.'s, abrasive grind or sandblast completely all lane lines, street legends, crosswalks or other painted or thermoplastic surfaces. This is necessary to provide a good bonding surface for the slurry seal, as well as eliminate "ghosting" of the old striping and markings as the new slurry wears off over time.

It is anticipated that nuisance water, such as storm water runoff and irrigation water, will run in and across the right-of-way at various time throughout the period of construction. It shall be the responsibility of the Contractor, at their own expense, to provide for and protect the work from such water. In addition, the Contactor's responsibility shall include handling nuisance waters such that their operations do not cause them to damage existing improvements or properties adjacent to or near the site of work.

Slurry shall not be applied when the atmospheric temperature is less than 65°F (18°C).

The application of slurry shall not commence until after 8:00 a.m., and shall conclude at 1:30 p.m. unless other authorized by the Engineer. The slurry shall be sufficiently cured to be open to traffic by 4:00 p.m. The portions of streets to be slurried shall be closed from the time the application begins until the mixture as achieved sufficient set to be opened to traffic.

The slurry shall be applied in such a manner that no ripples or waves exist. If ripples or waves occur in the slurry during the application, the work shall cease and the Contractor shall correct the situation. The Contractor may use a drag to knock down ridges. If ripples or waves are not corrected to the Engineer's satisfaction, the street shall be reslurried at the Contractor's expense.

The Contractor shall, at the direction of the Engineer, repair the reseal to the entire street, or complete section thereof, as determined by the Engineer, which have not been sealed properly (includes areas that have failed to meet yield and mix design specifications) and completely. No compensation will be provided for slurry seal used in repair and reseal work.

Each slurry crew shall be composed, at a minimum, of a coordinator at the project site at all times, a competent quick-set mixing man, a competent driver, two squeegee men, and sufficient laborers for any handiwork and cleanup.

Surface oil and grease shall be removed or sealed with shellac or an equivalent material approved by the City before the application of the slurry seal. Full compensation for surface oil and grease removal shall be considered as included in the unit cost for slurry seal.

The Contractor shall roll all cul-de-sacs (the last 250’ minimum), the last 250’ of dead-end streets and knuckle curves. Full compensation for rolling the slurry shall be considered as include in the unit cost for slurry seal.

During slurry seal operations, it shall be the Contractor’s responsibility to place protective covering over, or to otherwise avoid slurry seal coating of manholes, utility covers, pavement markers (reflective and non-reflective), concrete gutters, concrete cross gutters, and drainage facilities, survey monuments and remove said covering and/for slurry seal coating after slurry sealing has been completed.

The start and finish of slurry application shall be a straight line which, unless otherwise approved by the Engineer, shall be obtained by laying a strip of building paper or other material approved by the Engineer on the pavement surface. After application of slurry, the paper is to be removed leaving a straight edge. The entire street surface area shall be sealed the same day.
302-4.8.1 Crack Sealing and Filling. Crack sealing shall be performed prior to the Slurry Seal application. Pavement cracks 1/4" wide and larger shall be sealed. Pavement cracks 1/8" to 1" wide shall be cleared of all loose particles of dust, dirt and laitance with oil-free compressed air immediately preceding the sealing operation. Cracks shall be routed out as necessary to provide a reservoir for the sealer that will have a depth of l" to 1 1/2".

The crack sealing material shall be a hot-applied asphalt (Crafco Polyflex or approved equivalent). The crack sealing material must not be modified or diluted in any way. Pavement cracks larger than 1” wide shall be filled with the mixtures per Specification Section 203-6.4 Type E (Extra Fine).

A wand and nozzle type application shall be used to fill all cracks with crack sealing material. Crack sealing material shall be applied in two applications with the possibility of additional applications to fill the crack within the allowable tolerance. The cracks must be filled to the surface and not overfilled or applied to the top of adjoining pavement or concrete surfaces. The cracks shall be squeegee immediately after the sealant has been applied to insure conformity with the pavement surface.

The crack sealing material shall then be allowed to penetrate and sink into the crack area for a minimum of one hour. Each crack must then have a second application of crack sealer material applied in the crack area only to within + 0.01' of the adjoining pavement surface. If the material is a cold-applied, polymer modified petroleum emulsion, sand will be applied over the crack sealing material after the second application, covering a minimum of 1 1/2 inches each side of the crack and not more than 3/4 inch higher than the top of the pavement. The contractor shall be responsible for the removal of all excess sand which shall be removed within three hours after being applied.

302-5 ASPHALT CONCRETE PAVEMENT.

302-5.1 General. - *Add the following paragraphs:*
Asphalt concrete pavement structural sections equal to or greater than 3 inches (76 mm) in thickness shall be installed in two lifts. Base course aggregate material size shall be ¾ inch (19

mm) and cap course aggregate material size shall be ½ inch (13 mm). All pavement shall be placed over 4 inches of crushed aggregate base, unless compacted to 95% relative compaction.

All valves within project limits in the public right-of-way shall be raised to finish grade as a part of this work. The Contractor shall furnish and install new can or slip can materials as necessary. If new water valve lids are necessary, they shall be supplied by the Municipal Utilities and Engineering Department. All valve can lids within the project limits in the public right-of-way shall be painted the appropriate color for the utility they represent (ie. Water - Blue, Gas - Yellow, Fire – Red, etc.).

302-5.2 Timeline of Paving Operations.
All paving operations shall follow the timeline and requirements shown below unless otherwise approved by the City:

PAVING TIMELINE				
DESCRIPTION OF WORK	**TIME PERIOD**			
	WEEK 1 (DAY 1-7)	**WEEK 2 (DAY 8-14)**	**WEEK 3 (DAY 15-21)**	**WEEK 4 (DAY 22-28)**
PAVING (START TO FINISH) (1)				
CURE PERIOD (2)				
MANHOLE ADJUST TO GRADE (3)				
STRIPING & PAVEMENT MARKINGS (4)				
TRAFFIC LOOPS (5)				
NO PARKING SIGNS ALLOWED (6)				

Note: All time periods shown above are the maximum amount of allowable time for each activity. This timeline does not apply to the installation or repair of curb and gutter, ac dikes, sidewalks, cross gutters, curb ramps, driveway approaches or truncated domes.

(1) In no case shall any street segment remain unpaved longer than three calendar days if no other work activity is being performed on that street segment. Any deviation from the timeline shall result in a penalty assessment of $1,000 per calendar day.
(2) No work except cat tracking of proposed striping is allowed during this period; therefore "No Parking Signs" shall not be installed during this activity.
(3) Once each manhole is exposed, all associated work to adjust it to grade must be completed within 48 hours. This shall include all adjustments of manholes, vaults, valve cans, etc. as required by the Contract.
(4) All cat tracking and approval of proposed striping shall occur during the cure period.

(5) Traffic loops must be installed after the approval of striping layout and prior to the installation of thermoplastic striping and pavement markings.
(6) "No Parking Signs" shall be installed per Section 7-19 of these specifications.

302-5.4 Tack Coat. – *Delete and replace with the following:*
If the asphalt concrete pavement is being constructed directly upon an existing hard-surfaced pavement, a tack coat of High Performance Seal (HPS) No-Track Tack at an approximate rate of 0.05 gallon per square yard shall be uniformly applied upon the existing pavement preceding the placement of asphalt concrete. The surface shall be free of water, foreign material, or dust when the tack coat is applied. To minimize public inconvenience, no greater area shall be treated in any one day than is planned to be covered by asphalt concrete during the same day, unless otherwise approved by the Engineer.

302-5.5 Distribution and Spreading. – *Add the following:*
Unless otherwise permitted by the Engineer, the top layer of asphalt concrete for shoulders, tapers, transitions, road connections, private drives, curve widening, turnouts, left-turn pockets, and other such areas, shall not be spread before the top layer of asphalt concrete for the adjoining through lane has been spread and compacted. At locations where the number of lanes are changed, the top layer for the through lanes shall be paved first. Tracks or wheels of spreading equipment shall not be operated on the top layer of asphalt concrete in any area until final compaction has been completed or unless directed by the Engineer.

All screed extensions for paving machines shall be provided with a tamper, roller, or other suitable compacting devices.

Asphalt pavers shall be equipped with automatic screed controls and a sensing device or devices. Automatic grade and slope control shall be used for overlays.

All joints shall be sealed after rolling.

When placing asphalt concrete to the lines and grades noted in the plans or as approved by the Engineer, the automatic screed controls shall control the longitudinal grade and transverse slope of the screed. Grade and slope references shall be furnished, installed, and maintained by the Contractor. The Contractor shall use a ski device, the minimum length of the ski device shall be 30 ft. The ski device shall be a rigid one-piece unit and the entire length shall be utilized in activating the sensor. The Contractor may use a laser to control the screed.

When placing the initial mat of asphalt concrete on existing pavement, the end of the screed nearest the center line shall be controlled by a sensor activated by a ski device not less than 30 ft long. The end of the screed farthest from center line shall be controlled by an automatic transverse slope device set to reproduce the cross slope approved by the Engineer.

When paving contiguously with previously placed mats, the end of the screed adjacent to the previously placed mat shall be controlled by a sensor that responds to the grade of the previously placed mat and will reproduce the grade in the new mat within a 0.01 ft. tolerance. The end of the

screed farthest from the previously placed mat shall be controlled in the same manner as when placing the initial mat.

Should the automatic screed controls fail to operate properly during any day's work, the Contractor may use manual control of the spreading equipment for the remainder of that day; however, the equipment shall be corrected or replaced with alternative automatically controlled equipment conforming to the requirements in this section before starting the next day's work.

Should the methods and equipment furnished by the Contractor fail to produce a layer of asphalt concrete conforming to the requirements, including straightedge tolerance, of Subsection 302-5.6.2 - Density and Smoothness, of the Standard Specifications, the paving operation shall be discontinued and the Contractor shall modify his equipment or furnish substitute equipment. A drop-off of more than 0.15 ft will not be allowed at anytime between adjacent lanes open to public traffic.

The Contractor shall schedule his paving operations such that each layer of asphalt concrete is placed on all contiguous lanes of a traveled way each work shift. At the end of each work shift, the distance between the ends of the layers of asphalt concrete on adjacent lanes shall not be greater than 10 ft. nor less than 5 ft. Additional asphalt concrete shall be placed along the transverse edge at the end of each lane and along the exposed longitudinal edges between adjacent lanes, hand raked, and compacted to form temporary conforms. Kraft paper, or other approved bond breaker, may be placed under the conform tapers to facilitate the removal of the taper when paving operations resume.

302-5.6.1 General. - *Add the following paragraph:*
All asphalt concrete pavement abutting portland cement concrete gutters shall match and be flush with the gutter lip when finish rolling is complete.

302-5.6.2 – Density and Smoothness. *– Delete and replace with the following:*
The completed surfacing shall be thoroughly compacted, smooth and free from ruts, humps, depressions or irregularities. Any ridges, indentations or other objectionable marks left in the surface of the asphalt concrete shall be eliminated by rolling or other means. The use of any equipment that leaves humps, ridges, irregularities or other objectionable marks in the asphalt concrete shall be discontinued, and acceptable equipment shall be furnished by the Contractor.

The finished surface shall meet the following smoothness criteria:

- When a 12 foot long straightedge is laid on the finished surface parallel to the centerline of the roadway, the finished surface shall not vary from the edge of the straightedge more than 0.05 feet, except at changes in grade,
- When a 12 foot long straightedge is laid on the finished surface perpendicular to the centerline of the roadway and extends from edge to edge of a traffic lane, the finished surface shall not vary from the edge of the straightedge more than 0.05 feet, except at changes in grade.

If the top layer of pavement does not comply with the smoothness specifications shown, remove and replace the entire section or complete a grind and overlay of 1.5 inches or 3 times the aggregate size, whichever is greater. Grind and overlay will be considered as a repair method only when the

thickness of the asphalt pavement section is greater than 1.5 inches following the required grinding. Corrected section shall be rectangular to the nearest pavement edge or lane line and to a crosswalk, concrete spandrel or other limits approved by the City. Do not begin corrective actions until the method and limit of correction is authorized by the City. If the tolerances cannot be achieved by the methods described above, the contractor must re-pave the street section, in kind, at their own expenses.

The compaction after rolling shall be a minimum of 91 percent and a maximum of 97 percent of the density obtained on samples compacted with the California Kneading Compactor per California Test 304. Cores will be taken randomly by the City for laboratory testing per California Test 308, Method A at a frequency of three per lot. A lot shall consist of a maximum of 3,000 square yards of asphalt concrete and will be identified in the field by the City. The cores will be averaged to determine the percent of maximum theoretical density, as determined by ASTM D-2041, per lot to the nearest tenth of a percent.

Reduced payment factors for percent of maximum theoretical density will be per the following table, and will be applied to the entire lot sampled.

Reduced Payment Factors for Percent of Maximum Theoretical Density

Asphalt Concrete percent of maximum theoretical density	Reduced payment factor	Asphalt Concrete percent of maximum theoretical density	Reduced payment factor
91.0	0.0000	97.0	0.0000
90.9	0.0125	97.1	0.0125
90.8	0.0250	97.2	0.0250
90.7	0.0375	97.3	0.0375
90.6	0.0500	97.4	0.0500
90.5	0.0625	97.5	0.0625
90.4	0.0750	97.6	0.0750
90.3	0.0875	97.7	0.0875
90.2	0.1000	97.8	0.1000
90.1	0.1125	97.9	0.1125
90.0	0.1250	98.0	0.1250
89.9	0.1375	98.1	0.1375
89.8	0.1500	98.2	0.1500
89.7	0.1625	98.3	0.1625
89.6	0.1750	98.4	0.1750
89.5	0.1875	98.5	0.1875
89.4	0.2000	98.6	0.2000
89.3	0.2125	98.7	0.2125
89.2	0.2250	98.8	0.2250
89.1	0.2375	98.9	0.2375
89.0	0.2500	99.0	0.2500
< 89.0	Remove and replace	> 99.0	Remove and replace

In addition to the reduced payment factors below, all costs associated with the testing of the lot which resulted in values outside of the 91-97 percent range, will be withheld from the final payment due to the Contractor.

Following completion of the testing by the City, the core locations within the asphalt pavement shall be repaired by the Contractor.

302-5.6.3 Tracking. All areas receiving asphalt pavement shall be protected from tracking onto adjacent areas. Do not allow traffic on new asphalt pavement until its mid-depth temperature is below 140º Fahrenheit to minimize the tracking.

A rock dust blotter coat per Section 302-9.7 or a sand coat at a rate of 1-2 pounds per square yard shall be applied to the compacted surface for all areas where tracking is a concern. The application of tracking prevention measures shall be determined by the Contractor.

A haul route for all paving operations shall be reviewed and approved by the City prior to the start of any construction activity. No deviations from the approved haul route shall occur unless approved in writing from the City.

All tracking onto adjacent streets, striping or pavement markings shall be the responsibility of the Contractor. All striping and pavement markings shall be removed and replaced in kind by sandblasting. All tracking onto roadway surfaces may require the use of a street sweeper to the satisfaction of the City.

302-5.7 Joints. – *Add the following:*
Longitudinal joints shall be trimmed to a vertical face and to a neat line if the edges of the previously laid surfacing are, in the opinion of the Engineer, in such condition that the quality of the completed joint will be affected. Longitudinal and transverse joints shall be tested with a 12' straightedge and shall be cut back as required to conform to the provisions in Subsection 302-5.6.2 Density and Smoothness for surface smoothness. Connections to existing surfacing shall be feathered to conform to the provisions for smoothness.

Longitudinal joints in the top layer shall correspond with the edges of proposed lane striping. Longitudinal joints in all other layers shall be offset not less than 0.5' alternately each side of the edges of traffic lanes.

All feathered joints shall be sealed after rolling.

302-5.9 Measurement and Payment. – *Add the following:*
Reduced payment factors per 302-5.6.2 will be applied to the Contract Unit Price for lots with a Maximum Theoretical Density less than 91.0 and greater than 97.0 percent.

302-5.10 Hot Asphalt Leveling Course. Areas to receive the Hot Asphalt Concrete Leveling Course shall be determined and defined by the project manager and inspector, and identified to the Contractor in the field. Mix for hot Asphalt Concrete Leveling Course shall be 1/2 inch aggregate, C2, as defined in Section 203-6.4.3.

Areas to receive hot asphalt concrete leveling course shall be areas located near or adjacent to existing curbs and/or gutters that are potholed, or have the lip of gutter higher than the adjacent roadway. Potholes, large cracks, or ruts shall be filled to the surrounding grade elevation and

compacted. Hot Asphalt Concrete Leveling Course shall be completed prior to the placement of Type II Slurry Seal, ARAM or resurfacing.

Prior to placement of asphalt concrete, the surface shall be cleaned and all debris and deleterious materials shall be removed. A tack coat meeting the material and application requirements of Section 302-5.4 Tack Coat, shall be applied prior to placement of hot mix asphalt concrete.

302-5.11 Asphalt Pavement Crack Sealing and Filling. Crack sealing shall only be performed as a repair method for conventional hot mix asphalt pavement (HMA) and not installed at project locations which will have asphalt rubber hot mix (ARHM) used as the overlay material. Crack sealing shall be performed after milling of existing asphalt surface and prior to any leveling course, if necessary.

Right after milling of existing asphalt and before crack sealing or filling, Contractor shall remove any and all weeds that are growing through cracks from the project street located within the pavement or growing between the concrete gutter and the pavement and spray a herbicide mixture of either Hyvar mixed with Roundup or Pramatol mixed with Roundup, or approved equal, at least seven (7) calendar days prior to paving. The herbicide mixture shall contain Blazon, or approved equal, a purple dye to easily confirm the herbicide has been applied. The work shall be approved by the Engineer or his representative prior to paving. Full compensation for plant removal and herbicide treatment shall be considered as included in the unit cost for paving.

The crack sealing material shall be a hot-applied asphalt (Crafco Polyflex or approved equivalent). The crack sealing material must not be modified or diluted in any way. Pavement cracks larger than 1” wide shall be filled with the mixtures per Specification Section 203-6.4 Type E (Extra Fine).

A wand and nozzle type application shall be used to fill all cracks with crack sealing material. Crack sealing material shall be applied in two applications with the possibility of additional applications to fill the crack within the allowable tolerance. The cracks must be filled to the surface and not overfilled or applied to the top of adjoining pavement or concrete surfaces. The cracks shall be squeegee immediately after the sealant has been applied to insure conformity with the pavement surface.

The crack sealing material shall then be allowed to penetrate and sink into the crack area for a minimum of one hour. Each crack must then have a second application of crack sealer material applied in the crack area only to within + 0.01' of the adjoining pavement surface. If the material is a cold-applied, polymer modified petroleum emulsion, sand will be applied over the crack sealing material after the second application, covering a minimum of 1 1/2 inches each side of the crack and not more than 3/4 inch higher than the top of the pavement. The contractor shall be responsible for the removal of all excess sand which shall be removed within three hours after being applied.

SECTION 303 - CONCRETE AND MASONRY CONSTRUCTION

303-1 CONCRETE STRUCTURES.

303-1.1 General. - *Delete the first sentence of paragraph 1 and replace with the following:*
"Concrete bridges, culverts, catch basins, retaining walls, abutments, piers, footings, foundations, drainage inlets, head walls, end walls, wing walls, junction structures, transition structures, manholes, and other similar types of portland cement concrete structures shall be constructed to the lines and grades in conformity with the Plans and Specifications.

303-5 CONCRETE CURBS, WALKS, GUTTERS, CROSS GUTTERS, ALLEY INTERSECTIONS, ACCESS RAMPS, AND DRIVEWAYS.

303-5.1.1 General. - *Replace the last paragraph with the following:*
No PCC shall be ordered and/or placed until the forms and subgrade have been inspected and approved by the Engineer in the field.

All pull boxes, water meter boxes, and water valve covers shall be adjusted to proposed finish grade and approved by the Engineer in the field prior to placement of the PCC.

The Contractor shall barricade and protect placed PCC from all damage, marks, mars, and/or graffiti. Any PCC damaged, defaced, discolored, or defective shall be replaced at the Contractor's expense.

When removals of curb and/or sidewalk are located at curb return, the Contractor shall install access ramps. The Contractor is to construct all access ramps in accordance with American Disability Act (ADA) Standards/California Code of Regulations Title 24 – Accessibility Regulations. If the ramps constructed by the Contractor are found to be in non-compliance with ADA Standards, the Contractor will be required to remove and replace the ramps to ADA Standards at the Contractor's expense.

303-5.1.2 Drainage Outlets Through Curb. - *Add the following paragraph*:
Coring shall be required for all drains through existing curbs.

303-5.1.3 Driveway Entrances. – *Replace the last paragraph with the following:*
Driveway approaches where required, shall be 150 mm (6") thick for single-family residential area, and 200 mm (8") thick for commercial driveway approaches.

303-5.1.4 Walk. The back of sidewalk shall be 2 inches from the street Right-of-Way line unless otherwise specified by the Engineer.

Included in the price of sidewalk construction are retaining curbs. Retaining curbs are needed to retain soils from sloughing and eroding onto the finished sidewalk surface, as a result of grade differentials from existing ground surface to proposed sidewalk surface. Retaining curbs shall be installed when the finished surface is lower than the surrounding grade by 3 inches vertically within 6 inches horizontally. If the vertical difference in elevation is less than 3 inches, the surrounding grade shall be sloped, maximum 2:1 slope, to match the finished elevation. The height of the retaining curb shall be to the height of the existing grade it is retaining. Retaining curbs shall be located within the City's right-of-way at all times.

303-5.1.5 Access Ramps. Construction of curb ramps shall conform to the Type and Case appropriate for the condition, as specified on the plans and as shown within the 2012 Standard Plans for Public Works Construction, Plan 111-5. The Contractor shall be responsible to layout the proposed access ramp to comply with the maximum slope indicated on the plans or Standard Plan 111-5. The maximum slope for the ramp shall not be exceeded unless otherwise approved in writing by the Engineer. The Contractor shall remove and replace access ramps deemed non-compliant with the plans or Standard Plan 111-5.

For proposed locations adjacent to a cross gutter spandrel, sawcuts along the radius of the curb will not be allowed. The spandrel shall be replaced from expansion joint to expansion joint to the extents of the curb removal. For proposed locations adjacent to curb and gutter, sawcuts along the flowline of the curb will not be allowed. The entire curb and gutter shall be replaced from expansion joint to expansion joint as required. Sawcuts at locations other than the expansion joint will not be allowed unless approved by the Engineer. Curb cuts of the existing curb will not be permitted for installation of proposed ramp. Any deviation from these requirements will result in rejection of all work at this location and shall not be included in progress payment requests until corrected, per direction from the Engineer.

The Contractor shall verify the extents of sawcut and removal for each access ramp taking into account the maximum slope and transition area required. It shall be the Contractor's responsibility to identify required removal limits, set concrete forms and verify maximum slopes are not exceeded. The Engineer shall be present to verify the concrete forms prior to the placement of the concrete at each location, however this does not alleviate the responsibility of the accuracy of forms or slopes of the access ramp from the Contractor.

Included in the price of access ramps are retaining curbs. Retaining curbs are needed to retain soils from sloughing and eroding onto the finished ramp surface, as a result of grade differentials from existing ground surface to proposed ramp surface. Retaining curbs shall be installed when the finished surface is lower than the surrounding grade by 3 inches vertically within 6 inches horizontally. If the vertical difference in elevation is less than 3 inches, the surrounding grade shall be sloped, maximum 2:1 slope, to match the finished elevation. The height of the retaining curb shall be to the height of the existing grade it is retaining. Retaining curbs shall be located within the City's right-of-way at all times.

Access Ramps shall have truncated domes installed in accordance with standard plans and specifications. Truncated domes on new access ramps shall be Armor-Tile, Cast in Place System, or approved equal. Truncated domes installed on existing surfaces shall be Safety Sted TD, or approved equal. Truncated dome panels shall be 36"x48", inline configuration, with a spacing of 2.35" on center, and Federal Yellow in color.

The access ramp work shall include all related adjustments of pull boxes, pull box covers, signs, and protection of any underground utilities within the work area. The removal and replacement of up to 5 linear feet of sidewalk on each side of the access ramp shall be included within the cost of the access ramp. The removal and replacement of the sidewalk will allow for transition from the top of ramp to adjacent sidewalk and will be utilized as necessary.

303-5.4.3 Weakened Plane Joints, (a) General. - *Add the following paragraph:*
All weakened plane joints shall be spaced at a maximum of 3.05 m (10') feet for curbs, gutters, and sidewalks. Scoring lines shall conform to those prevailing in the area and be uniform in spacing.

303-5.5.2 Curb. - *Replace the first paragraph with the following:*
PCC for curb and gutter shall be placed within three working days from removal of the existing PCC curb and gutter. The curb and gutter surface shall not vary more than 3 mm (0.01') from a 3 m (10') straightedge except at the grade changes. Prior to the removal of the forms, the surface shall be finished true to grade by means of a straightedge float of not less than 3 m (10') in length, and operated longitudinally over the surface of the concrete. Form clamps shall be constructed so as not to interfere with the operation of the float. The form on the front of the curbs shall not be removed less than one (1) hour, nor more than six (6) hours after the concrete has been placed. In no event shall forms be removed while the concrete is sufficiently plastic to slump. The top and face of the finished curb shall be true and straight, and top surface of curbs shall be of uniform width, free from humps, sags, blemishes, or other irregularities.

303-5.5.3 Walk. - *Add the following paragraphs:*
The sidewalk surface shall not vary more than 5 mm (0.02') from the 3m (10') straightedge except at grade changes, and the finished surface shall be free from humps, sags, blemishes or other irregularities. All sidewalks shall be a minimum of 100 mm (4") thick, except at driveways where the sidewalks shall be a minimum of 150 mm (6") thick for single family residential areas and 200 mm (8") thick for all other areas.

303-5.6 Curing. - *Add the following paragraph:*
Curing compound shall be translucent with red fugitive dye, Type 1, in accordance with Section 201-4 Concrete Curing Compound, of the Standard Specifications.

303-5.7 Repairs and Replacements. - *Add the following paragraphs:*
In order to minimize vandalism damage to the finished PCC surfaces, the Contractor shall plan his work so that no PCC is poured after 1:00 p.m., unless otherwise authorized by the Engineer in the field.

The Contractor shall barricade and protect placed Portland Cement Concrete from all damages, marks, mars, and/or graffiti. Any Portland Cement Concrete damaged, defaced, discolored, or defective shall be replaced to the satisfaction of the Engineer at the Contractor's expense, and no additional time will be allowed.

Grading, patching, or other remedies to correct the situation will not be accepted unless in the opinion of the Engineer the vandalized area is so small that it does not warrant replacement. Concrete replacement areas shall be from score mark or control joint to score mark or control joint, and full width of the sidewalk. All replacement areas shall be saw cut.

303-5.8 Backfilling and Cleanup. - *Add the following paragraph:*
A minimum of 300mm (12”) wide full depth asphalt concrete pavement repair patch and an 450mm (18”) wide 1-1/2” deep grind outside of the trench width is required when cross gutter, spandrel, driveways, curb and gutter is placed adjacent to existing asphalt concrete pavement. The

asphalt concrete pavement repair patch shall be placed within two (2) working days after the cross gutters, spandrels, driveways, curb and gutter are replaced. The asphalt concrete pavement shall be sawcut. All work shall be in accordance with the General Permit Conditions and Trench Specifications, latest edition.

SECTION 304 - METAL FABRICATION AND CONSTRUCTION

304-3 CHAIN LINK FENCE.

304-3.4 Measurement and Payment. - *Delete paragraph 1 and replace with:*
Chain link fence will be measured along the horizontal projection line of the completed fence, deducting the widths of gates and openings.

SECTION 314 - TRAFFIC STRIPING, CURB AND PAVEMENT MARKINGS, AND PAVEMENT MARKERS

314-1 GENERAL. - *Add the following paragraphs:*
To insure the protection of storm drain inlets, Best Management Practices (BMPs) shall be employed during all striping operations. Refer to Section 7-8.6.

Each storm drain catch basin or storm drain inlet box shall be marked "NO DUMPING - FLOWS TO CREEK." Two coats of paint are required. Stencil shall match City's stencil. Paint and painting shall comply with the specifications.

All street resurfacing work shall include installing fire hydrant pavement markers at all fire hydrant location, whether the pavement markers were existing or not. The pavement markers shall be Type I – Two-Way Blue Retroreflective per Section 214-6 of the Specifications and installed per City's detail drawing No. 102-0. All work associated with the installation of all new, or replacement of existing, fire hydrant pavement markers shall be included as noted within the specifications.

314-4 APPLICATION OF TRAFFIC STRIPING AND CURB AND PAVEMENT MARKINGS.

314-4.1 General. – *Add the following paragraphs:*
During construction, if traffic legends or lane striping are removed or paved-over for any reason, they shall be replaced immediately with temporary traffic legends or lane striping as directed by the City, and the Contractor shall place permanent traffic legends or lane striping at the end of the job or on completion of final paving. When permanent items are placed, they shall be complete markings, legends, or striping i.e.: if limit lines are disturbed, they shall be replaced to centerline or from curb to curb, whichever was existing; if a letter in a word is removed or covered, the entire word shall be replaced; and lane striping shall extend 75 feet beyond construction limits. All replacement markings, legends, or striping required to be replaced beyond the contract limits shown shall be at the cost of the Contractor and shall meet City standards. If existing striping or legends are to be removed on existing surfaces, they shall be sandblasted. Painting over striping

or legends in lieu of removal will not be permitted. Pavement striping shall comply with the applicable provisions of Sections 214 and 314 of the Standard Specifications.

Where side streets with existing striping, markings and markers are encountered, striping, markings and markers shall be repainted and replaced for a minimum distance of 15 m (50 feet) from the crosswalk, stop bar or limit line.

314-4.2 Control of Alignment and Layout.

314-4.2.1 General. - Delete and replace with t*he following:*
The Contractor will be responsible for all layout of all striping. All striping, markings and markers shall be reinstalled in their existing locations unless otherwise shown on the plans. The Contractor shall be responsible to take appropriate measures and record the existing locations.

The Contractor shall verify all dimensions in the field prior to installation of pavement striping/marking layout (Cat-Track). Should field measurements differ from the plan, the Contractor shall immediately notify City staff. No Cat-Track marks shall be placed until discrepancies are resolved.

Cat-Track must be approved by City staff prior to the installation of permanent pavement striping/marking. Contractor shall notify City staff a minimum of 24 hours prior to installation of permanent pavement striping/marking to allow for inspection and approval. If approval of Cat-Track is not obtained by the Contractor, all work required to correct the striping/marking will be at the expense of the Contractor

Cat-Track marks shall be made in chalk. Paint for the purpose of Cat-Track is prohibited. If paint is used, the Contractor must remove the paint without damaging or visually deforming the pavement surface. If damage or visual deformity within the removal area occurs, in the opinion of City staff, the Contractor shall grind and overlay the entire segment with no additional compensation. The area of the grind and overlay shall be as required by City staff and shall be a minimum of 0.10’ thickness.

All visible Cat-Track markings after the installation of the permanent striping/marking shall be removed without damage or visual deformity to the pavement surface. Any damage or visual deformity to the pavement shall be remedied as noted above.

314-4.3.5 Application. - *Amend the first sentence in paragraph 8 as follows:*
“Glass beads shall be applied at a rate of 0.6 to 0.8 kg of beads per liter (5 to 7 pounds of beads per gallon).”

314-6 GREEN BIKE LANE. Green bike lanes shall be installed per plan and conform to the technical specifications included within the contract documents and shall be Streetbond CL or approved equal.

GENERAL REQUIREMENTS

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SECTION 01110 COORDINATION OF WORK

PART ONE – GENERAL

1.1 SEQUENCING OF WORK

The Contractor shall submit the construction schedule in accordance with Section 01321 of these specifications.

The Contractor shall arrange the schedule of work, but it must adhere to the following restrictions:

1. Citywide events calendar shall be considered with the schedule for construction. The events calendar will be provided at the pre-construction meeting. Updated events calendar will be provided during subsequent weekly construction meetings.

2. Construction around school zone shall be taken into consideration to avoid interference with the drop-off and pick-up times for each specific school.

3. Only one (1) area may have construction activity at the same time, unless approved by the City. It is not permitted to do construction on both sides of the street simultaneously.

4. Any construction activity other than concrete removal and repair shall be scheduled by the contractor in any sequence but shall be approved by the City.

5. Utilities project (sewer & water) and paving project may be under construction concurrently. Detailed construction activities and construction schedule will be provided during weekly construction meetings.

1.2 UTILITY COORDINATION

During construction, if City owned utility facilities are damaged, contractor shall inform the City. City crew will respond within two hours and assess the condition, and perform any necessary remedial work as quickly as possible. No additional compensation will be granted to the contractor for any delay due to the damage and repair of the utility facility. Other utilities not owned by the City, contractor should notify and coordinate with the utility owner.

END OF SECTION

SECTION 01111 TRAFFIC CONTROL PLAN

A. General

The intent of this specification is to provide the format and requirements in preparation of the Traffic Control Plan (TCP).

B. Format

1. The sheets of the TCP shall display, at a minimum, the title of the project, name of firm preparing the TCP, name and stamp of Registered Traffic or Civil Engineer preparing the TCP, approval block for City of Redlands approval, north arrow, title sheet with an index of the sheets, sheet number, and total number of sheets.

2. The TCP shall be drawn to a 1 inch = 40 scale, or as otherwise approved by City staff, on common size sheets ranging from 8-1/2 inches x 11 inches, 11 inches x 17 inches or 24 inches x 36 inches as determined appropriate based on work area.

3. TCP must be prepared and approved by a Registered Traffic or Civil Engineer in the State of California.

C. Requirements

The TCP shall contain the following items and scenarios of traffic control:

1. Resurfacing operations;

2. Variations to accommodate night work;

3. All required detours;

4. Provide 4 changeable message boards, Solartech MB2-LR-1548 or approved equal, located throughout the project area to provide advance notification as work progresses;

5. The TCP shall be completed in conformance with Section 7-10.2.2.1 of the General Conditions and adhere to the following:

    a. On street parking, where currently available, shall be open to the public outside of working hours; and

    b. Shall be completed in conformance with all additional requirements from permitting agencies, such as Caltrans.

END OF SECTION

SECTION 01112 DESCRIPTION OF WORK

PART ONE -- GENERAL

1.1 SUMMARY

A. The work to be done under this Contract includes the furnishing of project management, labor, materials, tools and equipment for the construction of the 2023 Citywide Sidewalk and ADA Ramp Replacement Project No. 400025 for the City of Redlands, all in accordance with the Contract Documents.

B. The following maps and tables are made a part of these Contract Documents:

Title
Location Map
ADA Ramp Repair Data pages 1 through 2
Area A Quantities
Area A Map pages 1 through 2
Area B Quantities
Area B Map pages 1 through 1
Area C Quantities
Area C Map pages 1 through 1
Area D Quantities
Area D Map pages 1 through 1
Area E Quantities
Area E Exhibit pages 1 through 2
Area F Quantities
Area F Map pages 1 through 1

1.2 GENERAL SCOPE OF WORK

A. Work In This Contract: Work in this Contract includes all labor, materials and equipment necessary for construction of 2023 Citywide Sidewalk and ADA Ramp Replacement Project as noted on the Contract Drawings and all other Contract Documents and is summarized as follows:

1. The Work shall consist of furnishing construction materials, mobilization, traffic and pedestrian control, erosion control, sawcutting, removal and replacement of varying thickness of PCC pavement (sidewalk, driveways, and ADA curb ramps), clearing and grubbing, root cutting, root grinding, grading, irrigation and curb repair, compaction, dust control, information signs, and survey monument preservation as required. Sidewalk shall match existing width and appearance of adjacent areas, including score lines and finish and restore all areas to pre-construction conditions.

2. The Contractor shall, upon completion of the sidewalk and ADA curb ramp replacement and appurtenances required herein, initially operate all components of the Contract Work furnished and installed by the Contractor, and make any additional adjustments, corrections, repairs, replacements, and reconstructions necessary to provide the City with complete sidewalk and ADA curb ramps and appurtenances, including restoring all areas to pre-construction conditions.

END OF SECTION

SECTION 01200 MEASUREMENT AND PAYMENT

A. Work Listed in the Schedule of Work Items

1. The application for payment will be for a specific item based on the percentage completed or quantity installed. The percentage complete will be based on the value of the partially completed work relative to the value of the item when entirely completed and ready for service.

2. A retention of five percent (5%) of the value of work completed will be withheld from progress payments. This retention amount will remain constant throughout the contract period, and will not be payable until the expiration of thirty-five (35) days after the recordation of the Notice of Completion.

B. Work Not Listed in the Schedule of Work Items

The General Conditions and items in the General Requirements, and Specifications which are not listed in the schedule of work items of the bid form are, in general, applicable to more than one listed work item, and no separate work item is provided therefore. Include the cost of work not listed but necessary to complete the project designated in the contract documents in the various listed work items of the bid form.

The bids for the work are intended to establish a total cost for the work in its entirety. Should the Contractor feel that the cost for the work has not been established by specific items in the bid form, include the cost for that work in some related bid item so that the proposal for the project reflects the total cost for completing the work in its entirety.

The Contractor may experience difficulty in excavation due to rock or unsuitable backfill material throughout the project locations. It shall be the Contractor's responsibility to identify these areas and account for difficulty in excavation, the need to export rock or unsuitable backfill material and the need to import suitable backfill material. There will not be additional contract time or additional compensation for any project locations where any of these circumstances occur.

C. Bid Items

1. Mobilization, Bid Item 1:

Payment for Mobilization shall be made at the contract lump sum price and shall constitute full compensation for all labor, material, equipment, and incidentals required within Section 01721. The bid price shall include, but not limited to, preliminary construction schedule, bonds, insurance, installation and relocation of information signs, shop drawings, catalog submittals and shall constitute full compensation for all labor,

material, equipment and incidentals required. The bid price for mobilization shall not exceed 5 percent of the Bid Schedule price.

2. Traffic and Pedestrian Control, Bid Item 2:

Payment for traffic and pedestrian control shall be made at the contract lump sum price and shall constitute full compensation for all labor, material, equipment, and incidentals required for preparation of traffic control plan, implementation and maintenance of traffic control items noted within the plan. Traffic and pedestrian control shall be in accordance with the approved traffic control plan in order to be compensated for this item.

Payment for traffic and pedestrian control shall be made based on overall completion percentage of the project. The percentage complete shall be determined by the engineer and updated on progress payment.

3. Construct New 4" Thick PCC Sidewalk, Bid Item 3:

Item includes but is not limited to construction of New 4" Thick PCC Sidewalk (560-C-3250), compact top 4" to 95% compaction as specified on the project plans and specifications; construction surveying, potholing existing utilities, construction staking, traffic control, dust control, grading, removal of all trash, organics and concrete/asphalt grindings to prepare the surface for proposed improvements, compaction and export. Item shall include all clearing and grubbing per Section 300-1 of the General Conditions. Grading and shaping shall conform to Section 300, 301, and 302 of the General Conditions.

Bid item 3 includes but is not limited to erosion control, sawcutting, earthwork and compaction as required for the construction of new 4" thick concrete sidewalk. Sidewalk shall match existing width and appearance of adjacent areas, such as score lines and finish. Item also includes all necessary dust control, clearing, grubbing, grading, irrigation repair, information signs, survey monument preservation, and removals such as removals of vegetation, rubbish, and utilities as required for the construction of the proposed improvements under this bid item.

Payment for this item shall be made at the contract unit price and shall constitute full compensation for all labor, materials, equipment and incidentals required, with no additional compensation or work allowed. No partial payment for sidewalk removal and replacement will be released.

4. Construct New 6" Thick PCC Sidewalk, Bid Item 4:

Item includes but is not limited to construction of 6" Thick PCC Sidewalk (560-C-3250), compact top 6" to 95% compaction as specified on the project plans and specifications; construction surveying, potholing existing utilities, construction staking, traffic control, dust control, grading, removal of all trash, organics and concrete/asphalt grindings to prepare the surface for proposed improvements, compaction and export. Item shall include all clearing and grubbing per Section 300-1 of the General Conditions. Grading and shaping shall conform to Section 300, 301, and 302 of the General Conditions.

Bid item 4 includes but is not limited to erosion control, sawcutting, earthwork and compaction as required for the construction of new 6" thick concrete sidewalk. Sidewalk

shall match existing width and appearance of adjacent areas, such as score lines and finish. Item also includes all necessary dust control, clearing, grubbing, grading, irrigation repair, information signs, survey monument preservation, and removals such as removals of vegetation, rubbish, and utilities as required for the construction of the proposed improvements under this bid item.

Payment for this item shall be made at the contract unit price and shall constitute full compensation for all labor, materials, equipment and incidentals required, with no additional compensation or work allowed. No partial payment for sidewalk removal and replacement will be released.

5. Construct New Driveway Approach, 6" Thick PCC (560-C-3250), Compact top 6" to 95% compaction, Bid Item 5:

Bid item 5 includes but is not limited to the construction of new 6" Thick PCC (560-C-3250) concrete driveway approach, including reconstruction of the adjacent curb and/or gutter if necessary, approved by the City's project manager. The driveway approach shall be constructed per APWA Standard Detail 110-2 and City of Redlands Standards and shall join to existing. Also, 6-inch thick class II aggregate base shall be placed and compacted to 95% relative compaction under 6" thick driveway approaches. Item also includes all necessary dust control, clearing, grubbing, grading, irrigation repair, information signs, survey monument preservation, and removals such as removals of vegetation, rubbish, and utilities as required for the construction of the proposed improvements under this bid item.

Payment for this item shall be made at the contract unit price and shall constitute full compensation for all labor, material, equipment and incidentals required.

6. Remove and Replace 4" Thick Sidewalk, Bid Item 6:

Item includes but is not limited to the removal and replacement of 4" thick PCC (560-C-3250) sidewalk, compact top 4" to 95% compaction as specified on the project plans and specifications. Remove and replace sidewalk at various locations throughout the City. The various locations through the City have a combined area of 56,475 square feet of 4" thick sidewalk. It is estimated at least 50% of these locations have sidewalk damage attributed to tree root intrusion.

Bid item 6 includes but is not limited to erosion control, sawcutting, removal of varying thickness sidewalk, earthwork and compaction as required for the construction of new 4" thick concrete sidewalk. Sidewalk shall match existing width and appearance of adjacent areas, such as score lines and finish. Item also includes all necessary dust control, clearing, grubbing, grading, irrigation repair, information signs, survey monument preservation, and removals such as removals of vegetation, rubbish, and utilities as required for the construction of the proposed improvements under this bid item.

Payment for this item shall be made at the contract unit price and shall constitute full compensation for all labor, materials, equipment and incidentals required, with no additional compensation or work allowed. No partial payment for sidewalk removal and replacement will be released.

7. Remove and Replace 6" Thick Sidewalk, Bid Item 7:

Item includes but is not limited to the removal and replacement of 6" thick PCC (560-C-3250) sidewalk, compact top 6" to 95% compaction as specified on the project plans and specifications. Remove and replace sidewalk at various locations throughout the City. The various locations through the City have a combined area of 2,502 square feet of 6" thick sidewalk.

Bid item 7 includes but is not limited to erosion control, sawcutting, removal of varying thickness sidewalk, earthwork and compaction as required for the construction of new 6" thick concrete sidewalk. Sidewalk shall match existing width and appearance of adjacent areas, such as score lines and finish. Item also includes all necessary dust control, clearing, grubbing, grading, irrigation repair, information signs, survey monument preservation, and removals such as removals of vegetation, rubbish, and utilities as required for the construction of the proposed improvements under this bid item.

Payment for this item shall be made at the contract unit price and shall constitute full compensation for all labor, materials, equipment and incidentals required, with no additional compensation or work allowed. No partial payment for sidewalk removal and replacement will be released.

8. Construct Concrete Driveway, 6" Thick PCC (560-C-3250), Compact top 6" to 95% compaction, Bid Item 8:

Bid item 8 includes but is not limited to the re-construction of existing concrete driveway approach, including adjacent curb and/or gutter. Driveway approach shall be reconstructed per APWA Standard Detail 110-2 and City of Redlands Standards and shall join to existing. Also, 6-inch thick class II aggregate base shall be placed and compacted to 95% relative compaction under 6" thick driveway approaches. Item also includes all necessary dust control, clearing, grubbing, grading, irrigation repair, information signs, survey monument preservation, and removals such as removals of vegetation, rubbish, and utilities as required for the construction of the proposed improvements under this bid item.

Payment for this item shall be made at the contract unit price and shall constitute full compensation for all labor, material, equipment and incidentals required.

9. Remove and Replace ADA Accessible Curb Ramp, Bid Item 9:

Bid Item 9 includes but is not limited to earthwork, curb cuts and removals as required for the construction of new ADA access ramps with curb and gutter only. Existing sidewalk shall be removed and replaced as necessary to bring surrounding walkways into ADA compliance as well. Ramps shall include cast-in-place truncated domes. All access curb ramps shall be re-constructed in accordance with American Disability Act (ADA) Standards/California Code of Regulations Title 24 – Accessibility Regulations. Item also includes all necessary dust control, clearing, grubbing, grading, irrigation repair, information signs, survey monument preservation, and removals such as removals of vegetation, rubbish, and utilities as required for the construction of the proposed improvements under this bid item.

Payment for this bid item shall be made at the contract unit price and shall constitute full compensation for all labor, material, equipment and incidentals required.

10. Demobilization Bid Item 10:

Payment for demobilization shall be made at the contract lump sum price and shall constitute full compensation for all labor, material, equipment and incidentals required.

END OF SECTION

SECTION 01251 CHANGE ORDER REQUESTS

1.1 GENERAL

A. All quotations for preliminary change orders for extras, changes, additions, or deletions to the Work as described in EXTRA WORK of the GENERAL CONDITIONS shall be submitted to the ENGINEER, in writing, on the Change Order Request (COR) Cover Sheet and the Change Order Cost Summary Form, both attached, and in conformance with the requirements of Section 01254 CHANGE ORDERS. The quotation shall be firm for a period of not less than sixty (60) calendar days from the date of receipt of the quotation by the ENGINEER. The CONTRACTOR shall submit its written cost quotation and Time Impact Analysis not later than fifteen (15) days after being requested to provide such quotation, unless the ENGINEER allows more time. Delays in submitting quotations beyond the fifteen (15) days set forth herein, which cause a delay in the issuance of a Change Order or a delay to the completion date of the project, shall not be cause for a claim or a time extension under the Contract.

B. The ENGINEER'S request for quotation on a preliminary change shall not be considered authorization to proceed with the changed work prior to the issuance of a final Lump Sum or Time & Material Change Order, unless directed otherwise, in writing, by the ENGINEER, nor shall such request constitute justification for a delay to the existing Work or a time extension under the Contract.

END OF SECTION

THE CITY OF REDLANDS
MUNICIPAL UTILITIES AND ENGINEERING DEPARTMENT

CHANGE ORDER REQUEST (COR)

Project Name:		**COR Number:**	
Project Number:		**Date of Request:**	
Requested By:			

Change Name:	

Description of Change (Required):

Reason for Change (Required):

Location of Change (Required): List all locations if various locations are included in this Request

Additional Days Requested Due to Change (If Applicable):

Total Net Change in Cost: **Note:** Attach all supporting documents for cost justification	$ 0.00

Requestor:

Signature: _____

Title: _____ **Date:** _____

Change Order Cost Summary

Project Name :

Change Order Request No. :

Date :

		Direct Labor	Direct Materials	Direct Equipment		Totals
(1):	Lump Sum Work by Prime Contractor	$0.00	$0.00	$0.00		
(2):	"T&M" Work by Prime Contractor	$0.00	$0.00	$0.00		
(3):	Subtotal - Direct Work (Prime Contractor)	$0.00	$0.00	$0.00		
(4):	All Lump Sum Work by subcontractors (any tier)	$0.00	$0.00	$0.00		
(5):	All "T&M" Work by subcontractors (any tier)	$0.00	$0.00	$0.00		
(6):	Subtotal - Direct Work (all subcontractors)	$0.00	$0.00	$0.00		$0.00
					Add each of the three columns across and enter to the right.	
(3)+(6)=(7):	Total - Direct Costs	$0.00	$0.00	$0.00		$0.00
(8):	Markup	(20% of direct labor) $0.00	(15% of direct mat'l) $0.00	(15% of direct equip) $0.00		$0.00
(9):	Prime Contractor Markup for subcontractors				10% of line (6) direct sub work up to $5,000 plus 5% of line (6) direct sub work over $5,000	
(10):	Bonds & Insurance				1% of line (7) all direct work	$0.00
(11):	Additional amount permitted by Contract					
(12):	**GRAND TOTAL**				Add sums of lines) (7), (8), (9), (10) and (11)	**$0.00**

SECTION 01254 CHANGE ORDERS

PART ONE -- GENERAL

1.1 REQUIREMENTS

Payment to the Contractor, or credit to the City, for any change, addition, deletion or extra to the Work, or settlement of any Claim, covered by any Change Order, shall be determined by the methods set forth herein. The Engineer may change the Plans and Specifications, character of the Work, or quantity of Work provided the total arithmetic dollar value of all such changes, both additive and deductive, does not exceed twenty-five percent (25%) of the Contract Price. Should it become necessary to exceed this limitation, the change shall be by written Supplemental Agreement between the Contractor and the City, which shall be executed by a Change Order.

Unless otherwise stipulated, "Unit Prices" include all costs necessary to furnish, install and complete the Work. The "Unit Prices" include all direct costs for labor, equipment and materials, all insurance and bond costs, all field and office supervisors and assistants, all onsite project administration, security costs, the cost of small tools and consumables, incidental job burdens, and all general home office expenses and no separate allowance will be made therefor. Assistants to field and office supervisors include all clerical, stenographic, and general office help. Incidental job burdens include, but is not limited to, office equipment and supplies, temporary toilets, telephone, utilities, safety equipment, warning devices, personal protective equipment, and conformance to OSHA requirements. Project administration includes, but is not limited to, review and coordination, estimating, engineering, scheduling, and expediting relative to Change Orders, and updating and furnishing Record Drawings to incorporate changes, schedule update, supervision not applied solely to the Work of the Change Order, home office salaries and expenses, and City of Redlands Business Tax.

A. Unit Prices

Unit prices stipulated in the Bid or itemized in the approved Schedule of Values shall be utilized, where they are applicable and determined reasonable by the Engineer. In the event that the Change Order results in a change in the original quantity of more than twenty-five percent (25%), either increase or decrease, then either the Engineer or the Contractor may request a review of the unit price to determine if a new unit price shall be mutually determined by negotiation. Any new unit price mutually determined under this Subsection shall only apply to the units in excess of one hundred twenty five percent (125%) of the original quantity for overruns. In case of underruns, the unit price stipulated in the Bid shall be applied to the first twenty-five percent (25%) of the actual quantity of work performed and the new mutually determined price shall be applied to the quantity between twenty-five percent (25%) and seventy-five percent (75%) of the original quantity.

Renegotiated unit prices or unit prices for new items added to the Contract by Change Order shall be determined in accordance with Subsections B through G. Whether stipulated in the Bid, itemized in the approved Schedule of Values or renegotiated, the unit prices used for payment constitute the total adjustment with no further costs owed for overhead, impact, profit, delay or impact to unchanged portions of the Contract, or any other reason. The unit price shall be full and final compensation as described in Subsection D.

The cost proposals for renegotiated unit prices shall be presented in accordance with the provisions of Subsections B through G. Should any Bid Item be deleted in its entirety, the amount bid for that bid item shall be subtracted from the total Contract amount. The Contractor shall be paid only for the actual cost incurred prior to the notification of such deletion for that Bid Item.

B. Lump Sum

The Engineer and the Contractor may mutually determine a total sum for the Extra Work. The Contractor shall summarize the total cost and furnish a breakdown of the proposed lump sum costs satisfactory to the Engineer in accordance with Subsections B through G. Such lump sum costs shall be full and final compensation as described in Subsection D. The Contractor's quotation shall conform to the requirements of Section 01251- Change Order Requests, and be submitted in the Change Order Cost Summary Form provided (see Attachment 01251-A1). The Change Order Cost Summary Form cannot be used to nullify or supercede any specification or contractual provision.

If the method or amount of payment cannot be agreed prior to performing the Extra Work, the Engineer may unilaterally issue a Change Order in the amount determined reasonable by the Engineer for the Extra Work and direct the Contractor to proceed immediately. The Engineer also has the option to issue a Change Order directing the Work be done on a Time and Materials basis with the Contractor providing all labor, equipment, and materials necessary to complete the Work in a satisfactory manner and within a reasonable period of time. Estimates for lump sum quotations and accounting for Time and Materials work shall be limited to direct expenditures necessitated specifically by the subject Extra Work, and shall be segregated as follows:

1. Labor, up to and including working general foremen, who are directly assigned to the Extra Work. Employees identified as superintendents or non-working general foremen shall not be charged as labor on Extra Work. The labor costs shall include actual documented payroll costs including wages, payroll taxes as established by law (i.e., FICA, Federal and State Unemployment Taxes), fringe benefits as established by negotiated labor agreements, and any insurance costs (such as Worker's Compensation and General Liability Insurance but shall not include Automobile Liability Insurance or any other insurance costs). A detailed

breakdown of those subcomponents of labor costs, by all crafts shall be submitted to the Engineer, by the Contractor and all Subcontractors, for approval, as part of the documentation of labor costs, within ten (10) working days after issuance of the Notice to Proceed. No other subcomponents of labor costs shall be considered, unless approved in writing by the Engineer.

The labor cost is not allowed to be increased by using labor classifications with paygrades higher than necessary to accomplish the Work.

2. Materials: The cost of materials used in performing the Extra Work will be the cost, including sales tax and freight, to the purchaser, whether Contractor, Subcontractor or other forces, from the supplier thereof, except as follows:

   a. Cash or trade discounts available to the purchaser shall be credited to the City notwithstanding the fact that such discounts may not have been taken by the Contractor.

   b. For materials secured by other than a direct purchase and direct billing to the purchaser, the cost shall be deemed to be the price paid to the actual supplier as determined by the Engineer. Supplier markup, except for actual costs incurred in the handling of such materials, will not be allowed.

   c. Payment for materials from sources owned wholly or in part by the purchaser shall not exceed the price paid by the purchaser for similar materials from said sources on contract items or the current wholesale price for such materials delivered to the Jobsite, whichever price is lower.

   d. If, in the opinion of the Engineer, the cost of materials is excessive, or the Contractor does not furnish satisfactory evidence of the cost of such materials, then the cost shall be deemed to be the lowest current wholesale price for the quantity concerned, delivered to the Jobsite less cash or trade discount. The City reserves the right to furnish materials for the Work and no claim shall be made by the Contractor for costs and profit on such materials.

   e. For the purposes of this Section, a "Supplier" is defined as any person or persons, firm or business, who supplies materials of construction and/or permanent equipment, but who does not perform any portion of the Work of the Contract on site, for the Contractor, except that labor or labor supervision which may be required by some manufacturers as part of their equipment installation for warranty or other purposes.

3. Equipment Costs, including ownership, lease or rental costs, as well as operating costs, for individual equipment units whose replacement value is in excess of $500. Transportation and set up costs shall be included, but only if the equipment is imported to the worksite solely to perform work on the Extra Work described in the Change Order and the Contractor can demonstrate that the changed work cannot or could not be performed economically with equipment already at the site. Equipment costs shall be determined in accordance with the requirements set forth in Subsection G.

4. Small tools, equipment, consumables and incidental costs: No separate payment will be made for the use of small tools or equipment with a replacement value of $500 or less. This applies to tools and equipment owned by the Contractor or its subcontractors of any tier. Also, no separate payment will be made for fuel, lubricants, tool or equipment repairs, tool or equipment maintenance, consumables, drinking water, sanitary facilities or other incidentals. These costs are already included as a part of Markup.

5. Subcontractor Costs, including their overhead and profit, provided that such costs are direct costs to the Contractor for performing the Extra Work as set forth in Subsections B through G.

C. Time and Materials Work

The costs of all Changed/Extra Work submitted under the Time and Materials (T&M) method shall be formulated in accordance with the provisions of Subsections B through I.

Unless otherwise stipulated on the Change Order, the “Not-to-Exceed” amount for all T&M Change Orders is $10000. The Contractor is responsible for tracking costs and for notifying the Engineer in writing when costs approach 50% and 75% of the “Not-to-Exceed” amount. In addition, if the Changed/Extra Work cannot be completed within the “Not-to-Exceed” limit, the Contractor shall notify the Engineer in writing, and in a timely manner, that the limit requires an increase. The City will only reimburse eligible costs up to the “Not-to-Exceed” amount.

The Contractor shall notify the Inspector at the beginning of each day when Changed/Extra Work is being performed. The Contractor shall notify the Inspector of the Changed/Extra Work being performed and describe the personnel involved, whether by Contractor forces or by its subcontractors at any tier. Failure to notify the Inspector prior to the start of Changed/Extra Work serves as the Contractor’s waiver to claim for compensation on that day.

For each working day, the Contractor shall submit a “Daily Extra Work Report” (DEWR) to the Inspector. The “Daily Extra Work Report” shall summarize labor,

equipment and materials supplied. The Inspector will only consider Forms that are properly completed as described below.

1. Separate forms must be used for labor and for equipment/materials.

2. Labor, equipment, material or expenditures that are not included on The DEWR are ineligible for payment. There will be no exceptions to this requirement. It is the responsibility of the Contractor to include any and all items of labor, equipment, or material for which it requests compensation for each day's work completed.

3. Information required on the Labor form shall include name of personnel, personnel classification, and only the number of hours worked on Changed/Extra work for the day being reported. Since the overhead allowance already includes all necessary supervision, any hours for additional supervision or non-working foremen are ineligible for additional payment. The premium pay for a general foreman is eligible for payment only if the general foreman is a working foreman and a general foreman was required by a Union Labor Agreement or otherwise approved by the Inspector. The general foreman rate is eligible for payment only during the time that a general foreman was required for the Changed/Extra Work.

4. Information required on the Equipment/Material shall include Contractor-owned equipment and/or tools, and rented equipment or tools for which compensation is requested. Information shall include the type of equipment, size of equipment, equipment identification number, appurtenances, and only the number of hours worked on the Changed/Extra work.

5. The only allowable materials are materials delivered to the job site and/or incorporated only into the Changed/Extra work. The allowable materials shall be listed on the T&M sheet for the day that they are delivered to the job site and/or incorporated into the Changed/Extra work.

6. Delivery ticket(s) and/or bill(s) of lading for rental equipment and/or tools delivered to the site and/or material incorporated into the work for the day being reported must be attached with the T&M sheet for that day. No payment will be allowed for materials and/or rented equipment unless receipt(s) or bill(s) of lading is attached. If the request for payment is not substantiated by original vendor/supplier invoices, acceptable copies of original invoices, or other documentation acceptable to the Inspector, the City may establish the cost of the item(s) at the lowest possible wholesale price or rental rate applicable while the work was being performed.

7. Failure to submit the required "Daily Extra Work Report of Time and Material Work" by the close of the next working day shall waive all rights for that day unless otherwise approved by the Inspector. Work that cannot be substantiated by a "Daily Report", approved and signed by the Inspector, is ineligible for payment.

8. The Contractor is responsible for preparing the "Daily Extra Work Report" for work by its Subcontractors and submitting the Forms to the Inspector on time.

9. The Contractor must have each "Daily Extra Work Report" verified by the Inspector. After the "Daily Extra Work Report" is approved by the Inspector, both the Contractor and Inspector sign the report. The original "Daily Extra Work Report" is retained by the Inspector with a copy provided to the Contractor.

10. When the "Daily Extra Work Report" is signed by the Inspector and the Contractor, it is binding on the Contractor and its Subcontractors.

11. When agreed to by the Inspector, the Contractor may submit a supplemental "Daily Extra Work Report" for labor, materials, or equipment for which the Contractor requests compensation but failed to list on the original daily report.

    a. These supplemental forms shall be marked "SUPPLEMENTAL".

    b. Unless otherwise approved by the Inspector, the supplemental forms may only be submitted for approval up to two (2) working days following the date when the work was performed.

No payment will be allowed for labor, materials, or equipment included on T&M sheets not signed by the Contractor and the Inspector. Payment will not be allowed for labor, materials, or equipment included on T&M sheets signed by anyone other than the Inspector or the Inspector's immediate supervisor.

D. General

It is the intent of the City to settle all Change Orders full and final at the time the Change Order is issued. Therefore, the following paragraph shall be made a part of all Change Orders, whether included or not on the actual change order:

> "The compensation (time and cost) set forth in a Change Order comprises the total compensation due the Contractor, all Subcontractors, and all Suppliers, for the Work or change defined in the Change Order, including impact on unchanged work. By signing the Change Order, the Contractor acknowledges and agrees on behalf of himself, all Subcontractors, and all

Suppliers, that the stipulated compensation includes payment for all work contained in the Change Order, plus all payment for the interruption of schedules, extended field overhead costs, delay, and all impact, ripple effect or cumulative impact on all other work under this Contract. The signing of the Change Order indicates that the Change Order constitutes full mutual accord and satisfaction for the change, and that the time and/or cost under the Change Order constitutes the total equitable adjustment owed the Contractor, all Subcontractors, and all Suppliers as a result of the change. The Contractor, on behalf of himself, all subcontractors, and all Suppliers, agrees to waive all rights, without exception or reservation of any kind whatsoever, to file any further claim related to this Change Order. No further claim or request for equitable adjustment of any type for any reasonably foreseeable cause shall arise out of or as a result of this Change Order or the impact of this Change Order on the remainder of the Work under this Contract."

Costs which shall not be paid in Change Orders under this Contract include, but are not limited to, interest costs of any type; claim preparation or filing costs; legal expenses; the costs of preparing or reviewing proposed Change Orders or Change Order proposals; lost revenue; lost profits; lost income or earnings; rescheduling costs; costs of idled equipment when such equipment is not at the site or has not yet been employed on the Work; lost earnings or interest on unpaid retainage; claims consulting costs; and the costs of corporate officer or staff visiting the site; any compensation due to the fluctuation of foreign currency conversion or exchange rates; loss of other business; changes in taxes or increased tax rates of any kind or any costs identified as unallowable under the provisions of the Federal Acquisition Regulations.

Extensions of time shall be based solely upon the effect of delays to the Work as a whole. Extensions of time shall not be granted for delays to the Work, unless the Contractor can clearly demonstrate, through analysis of the current updated schedule, that the delay to the Work as a whole arose or will arise from causes other than normal weather, beyond the control and without fault or negligence of the Contractor, or any Subcontractor, at any tier, and that such delays did or will, in fact, delay the progress of the Work as a whole. The Contractor shall not be entitled to a time extension unless it submits a Time Impact Analysis which is a calculation of the extent of the delay to the end date of the Work and which shows that the Work has been or will be extended beyond the current Contract completion date. A Time Impact Analysis is a scheduling procedure which utilizes the networking techniques (fragnets) and a written analysis of the facts associated with the alleged delay to demonstrate the effect of the alleged delay on the critical path of the schedule. A "fragnet" is defined as a sequence of new activities and/or activity revisions that are proposed to be added to the existing current updated schedule to demonstrate (mathematically and graphically) the influence of the alleged delay on the end date of the Work and shall be the sole method for incorporating delays and impacts into the schedule. The objective of a

Time Impact Analysis is to pinpoint, isolate, and quantify all time impact associated with a specific issue and determine its time relationship to past or current delays. Time extensions shall not be allowed for delays to parts of the Work that are not on the critical path of the currently approved monthly updated project schedule. Time extensions shall not be granted, nor delay damages of any kind whatsoever paid to the Contractor, until all available float, slack, or contingency time on the project is used and the end date of the Work is moved beyond the current, adjusted Contract completion date.

The cost summary, cost breakdowns and requests for cost reimbursement submitted by the Contractor (for delay, disruption, hindrance and interference associated with the changes, additions, deletions or extras) shall be itemized in a manner that, with mathematical certainty and without reliance upon probabilities or inferences, segregates the direct, actual reimbursable costs associated with each individual, change, addition, deletion, extra and (on an event-by-event basis) each individual delay or disruption event. Such cost summaries, breakdowns or requests shall not be based, in whole or in part, upon any methodology (such as "total cost" or "modified total cost" methodologies) that purports to calculate the Contractor's additional costs of performance of the extra, change, addition or deletion (including without limitation the additional costs of delay, disruption or other impact) based on the difference between Contractor's total actual Project or line item costs (with or without fee) and its original bid estimate for the Project or any original bid estimate line item. In connection with the foregoing, Contractor represents and warrants that it has the ability to generate and maintain complete and accurate cost accounting records that will reflect (i) the actual costs incurred or saved for each individual item of Extra Work, change, addition, deletion (including without limitation any costs of associated delay, disruption, interference, hindrance and the cumulative impact of each extra, change, addition, deletion on other parts of the Work); and, (ii) on an event-by-event basis, the effect of each delay or disruption that forms the basis of each request for extension of time, regardless of their scope, number, complexity, cumulative effect, or time of issuance or occurrence.

Except as provided in Section 6-6 of the General Conditions, Contractor shall have no right to recovery of any compensation, costs, expenses or damages resulting from delay, disruption, interference, or hindrance in the performance of the Work (including without limitation interruption of schedules, excess or extraordinary extended field and indirect overhead costs, loss of productivity and the impact, ripple or cumulative effect on other Work).

Contractor waives any claim or rights and remedies based on abandonment, quantum merit, rescission or other similar legal theory by reason of any of the following circumstances, which the Contractor acknowledges and agrees are within the reasonable contemplation of the parties: (i) changes, additions, deletions and extras to the Work after execution of the Contract and issued from time to time throughout the period of construction, regardless of their scope,

number, cumulative value, or complexity, to correct errors, omissions, conflicts, and ambiguities in the Contract Documents, or to implement discretionary changes to the scope of Work requested by the City; (ii) the issuance and performance of changes, additions, deletions and extras in a manner that is not in sequence with the as-built or as-planned progress of the Work; (iii) changes due to Differing Site Conditions; (iv) suspensions of the Work or parts thereof, or limitations on access to portions or all of the Work, for the convenience of City or in the interests of the Project; (v) delay or disruption to the Work due to failure of the City, Engineer or Inspector to timely perform any contractual obligation.

E. Markups – Overhead and Profit

1. In addition to the direct expenditures specified for labor, materials and equipment in Subsection B, a lump sum will be paid for all overhead and profit, including: All insurance costs other than specifically mentioned in this Section, all field and office supervisors and assistants, all onsite project administration, security costs, the cost of small tools and consumables, incidental job burdens, and all general home office expenses and no separate allowance will be made therefor. Assistants to field and office supervisors include all clerical, stenographic, and general office help. Incidental job burdens include, but is not limited to, office equipment and supplies, temporary toilets, telephone, utilities, safety equipment, warning devices, personal protective equipment, and conformance to OSHA requirements. Project administration includes, but are not limited to, review and coordination, estimating, engineering, scheduling, and expediting relative to Change Orders, and updating and furnishing Record Drawings to incorporate changes, schedule update, supervision not applied solely to the Work of the Change Order, home office salaries and expenses, and City of Redlands Business Tax. Such lump sum shall conform to the following schedule of percentages of the total amount of direct expenditures of the Contractor and subcontractors.

(a) Work by Contractor. The following percentages shall be added to the Contractor's costs and shall constitute the markup for all overhead and profits:

1) Direct Labor	20%
2) Direct Materials	15%
3) Direct Equipment	15%

(b) Work by Subcontractor. When all or any part of the extra work is performed by a Subcontractor, the markup established in (a) shall be applied to the Subcontractor's actual cost of such work. A markup of 10 percent on the first $5,000 of the subcontracted portion of the extra work and a markup of 5 percent on work added in excess of $5,000 of the subcontracted portion of the extra work may be added by the Contractor.

2. Bonds and Insurance

An additional allowance of one percent (1%) of all direct costs (less markup) is allowed.

3. Add/ Deduct Changes

The overhead rates determined above shall be applied to all additive Change Orders, except those utilizing as-bid Unit Prices listed in the Bid Proposal.

Any change in the Work involving both extras and credits shall show a net total cost, including subcontracts. Allowances for overhead and profit to the net total cost, as specified herein above, shall be applied if the net total cost is an extra; overhead and profit allowances shall not be applied if the net total cost is a credit. The estimated cost of deductions shall be based on labor and material prices on the date the Contract was signed.

4. When all or any part of the extra work is performed by a Subcontractor, the markup established in subsection 1.1.E.1 shall be applied to the Subcontractor's actual cost of such work. A markup of 10 percent on the first $5,000 of the subcontracted portion of the extra work and a markup of 5 percent on work added in excess of $5,000 of the subcontracted portion of the extra work may be added by the Contractor.

F. City Furnished Materials, Equipment and Services

The Engineer reserves the right to furnish materials, equipment and services deemed expedient for use on the Changed/Extra Work. The Contractor shall have no claim for profit or overhead on the cost of such materials, equipment and services.

G. Equipment Costs

The rates for rental or leased equipment shall not exceed the rates listed in the Caltrans Labor Surcharge and Equipment Rental Rates (Caltrans LS&ERR). For T&M Change Orders, the rates are established by the actual paid invoice(s) that comply with the requirements of Subsections G.1 and G.3. Owned equipment costs shall not exceed the rates established by Subsection G.2. The most recent published edition in effect at the commencement of actual equipment use shall be used.

The rates paid for any rented or leased equipment or tools shall include the cost of fuel, oil, lubrication, supplies, small tools, necessary attachments, repairs and maintenance of any kind, depreciation, storage, insurance and all incidental costs associated with the operation of the equipment or tools.

It is the responsibility of the Contractor to include any appurtenances added to equipment which would increase the basic rate for said equipment (i.e., hoe-ram, oversize bucket, and etcetera) as established in the acceptable rental rate guide. All equipment and/ or tools shall be acceptable to the Inspector, in good working condition, suitable for the purpose for which it is to be used, and necessary to complete the Changed/Extra Work. Payment will be based on the manner in which the equipment was actually powered, operated and modified per the equipment manufacturer's recommendations.

1. Rented or Leased Equipment

For equipment rented or leased (including lease with purchase option) in arm's length transactions from outside vendors, the Contractor shall be paid the actual invoiced, rented or leased rates provided that the invoiced lease or rental rates do not exceed the rates set forth in the Caltrans LS&ERR. Arm's length rental or lease transactions are those in which the firm involved in rental or lease of such equipment is not associated with, owned by, have common management, directorship, facilities, or stockholders with the firm renting the equipment. Submittal by a Contractor of a rental or leased invoice from the lessor will be prima facie proof of compliance with the above. However, such invoices are not conclusive proof; if questioned, the burden of proof remains with the Contractor. In no event shall the leased equipment rate billed to the City be at rates exceeding those prescribed in the following table:

Actual Usage (Change Order & Contract Work Combined)	Payment Category
Less than 8 hours	Hourly Rate
8 or more hours but less than 7 days	Daily Rate
7 or more days but less than 30 days	Weekly Rate
30 calendar days or more	Monthly Rate

a. When in Use:

Actual equipment use time documented by the Inspector shall be the basis that the equipment was utilized on the changed work and paid for under the Change Order. In addition to the lease or rental rate, equipment-operating costs shall not exceed the estimated hourly operating rate as set forth in the Caltrans LS&ERR. The hours of operation shall be based upon actual equipment usage on the changed work as recorded by the Inspector. For multiple shift work sequences, the allowable equipment rate shall not exceed fifty percent (50%) of the base rate, for second or third shifts.

b. When Idle:

Idle equipment is equipment on site and necessary to perform the Work under the change but not in actual use due solely to the impact of the changed work. Equipment operating costs due to idle time, documented by the Inspector, shall be paid at the rate determined in "G" (1) above. Idle time shall include a reasonable time allowance to and from the project site.

Payment for equipment or tools shall be limited to hours actually worked on the Changed/Extra Work if the equipment or tool is already on site for Work under the original Contract. No "standby" time will be paid for equipment already on site for Work under the original Contract.

If equipment or tools are used intermittently and, when not in use, could be returned to the rental source at less expense than holding it at the work site, it shall be returned, unless the Contractor elects to keep it at the work site at no expense to the City.

2. Owned and Other Equipment

Equipment rates for owned equipment or equipment provided in other than arm's length transactions shall not exceed the total hourly costs as set forth in the Caltrans "Labor Surcharge and Equipment Rental Rates" effective at the time the work is performed. (The Caltrans equipment rental rates are available on the internet at http://www.dot.ca.gov/hq/construc/equipmnt.html.) If the equipment is not listed in Caltrans LS&ERR, then the Rental Rate Blue Book shall be used. When using the Blue Book, the hourly rate for any period less than 7 days shall be the weekly rate divided by 40, plus the Operating Cost. Except as noted herein below, this equipment hourly rate plus the estimated operating cost per hour from the Blue Book will be paid for each hour the equipment actually performs the Extra Work. Daily records listing the equipment units and their respective operators, identification code, and actual usage on the Work under the Change Order, as certified at the end of each work day (or work shift if the Work is being performed in multiple work shift sequence) by the Inspector shall be the record upon which actual equipment use shall be based. For multiple shift work sequences, the Caltrans overtime factor shall be applied (When using the Blue Book one-half the Non-Operating Cost will be deducted for second and third shifts. The Non-Operating Costs are the Blue Book monthly or weekly/40 rates, as applicable.). It is agreed that this rate shall represent payment in full for all the Contractor's direct costs.

a. When Idle:

Payment for equipment necessary to be on the site to complete the Work, but not in actual use due solely to the impact of the changed work, shall be paid per the table in Caltrans Standard Specifications Section 9-1.03A(3b), provided that its presence and necessity on the site has been documented by the Inspector, and further provided that the equipment was idled solely by actions of the City. Idle equipment time will only be paid as a function of delays specifically directed or caused by the City's actions. In no event shall the idle time claimed in a day for a particular piece of equipment exceed the normal work schedule established for the project - usually eight (8) hours per day or forty (40) hours per week, and excluding Saturdays, Sundays, and holidays. For multiple shift work sequence, the allowable idle equipment rate shall not be allowed, for second or third shifts. It is agreed that this rate shall represent payment in full for all the Contractor's direct costs.

3. Equipment Haulage and Set Up Costs

Documented and actual equipment haulage and set up costs shall be paid for, if applicable as set forth in Subsection B.3.

4. Other Equipment Cost Guides

In the event that a piece of equipment used on a Change Order is not listed in Caltrans or the Blue Book, costs may be derived from the Associated General Contractor's of America Equipment Ownership Guide, the Associated Equipment Dealers Guide, or the Equipment Rate Guide published by the U.S. Army Corps of Engineers as adjusted appropriately for the type of work and use and the regional area of the Work under this Contract.

H. Records

At any time should the Contractor deviate substantially from the schedule, method and sequence of operation, equipment, cost or pricing data furnished by the Contractor and agreed to by the City in connection with the Change Order or should the City determine that any price negotiated in connection with the Change Order is defective due to such deviation or the fault of the Contractor, the City reserves the right to reduce the Change Order cost and reissue the Change Order at the amount in which the City determines to be the actual costs to complete the change.

Whenever any material or process is indicated or specified by patent or a proprietary name, or by name of a manufacturer in the Change Order, such direction shall not relieve the Contractor's responsibility or obligation to perform

work in accordance with the contract requirements. The Contractor shall be solely responsible for, and have control over construction means, methods, techniques, sequences and procedures, coordination of all portions of the contract and Change Order work.

The Contractor shall on a weekly basis submit an approximate accounting of the amount expended on the Time and Materials work to date and an estimate of the Impact to the time of performance of work.

I. Partial Payments for Time and Materials Work.

Progress payments for Time and Materials work shall only be made if the anticipated cost of the changed work is in excess of $50,000 and/or the time to perform the changed work will exceed two (2) months duration. To receive payments for Time and Materials work, the Contractor shall submit to the Engineer an invoice of the daily reports which were verified by the Inspector, with details and documents, verifying the Contractor's and Subcontractor's actual costs incurred for the Time and Materials work as set forth in Subsections B through H. Costs shall be submitted within thirty (30) calendar days after the T&M work has been satisfactorily completed unless an extension of time for submittal is authorized in writing by the Inspector.

END OF SECTION

SECTION 01298 SCHEDULE OF VALUES

1.1 GENERAL

A. The Schedule of Values shall be used as a basis for determining progress payments on a lump sum contract or any designated lump sum bid item. The Schedule of Values shall be a schedule of cost loaded construction activities equal, in total, to the lump sum bid and shall be in such form and sufficient detail to correctly represent a reasonable apportionment of the lump sum. Prior to submitting an invoice for payment, the CONTRACTOR shall have submitted a detailed Schedule of Values and obtained approval from the ENGINEER.

B. Each lump sum bid item on the Schedule of Work and Prices, as set forth in the Bid must be broken down separately. The breakdown of each lump sum bid item must cover the cost of construction required by the contract documents for that item. The sum of the values for the construction activities, within a bid item, must equal the total bid amount for that item. The breakdown shall include subcontract amounts which shall not deviate from the amounts submitted in the Bid Proposal. The CONTRACTOR shall provide certification from the Subcontractors certifying the subcontract amounts.

C. Each activity in the Schedule of Values shall delineate one construction activity. For example, the placement of concrete between construction joints, the construction of an electrical duct bank or pipeline between points A & B. The costing for each activity should include all costs for the labor and materials or equipment required to complete the activity. For example, concrete construction activities should include all costs for the forming, placing of reinforcement, placing concrete and curing. The cost for pipeline construction activities should include materials, equipment and installation including pipeline supports or thrust blocks. The excavation and backfill for a pipeline or structure may be separate activities. The Contract Price breakdown shall include the itemized costs for the plant establishment and any maintenance services to be performed before the final project acceptance is made. No non-construction activity shall be cost loaded.

D. The CONTRACTOR shall use cost loaded construction activities from the Construction Schedule as a Schedule of Values. Each construction activity shall be encoded to its bid item and a sort provided for each bid item totaling the cost loaded amount. The total of the Cost Loaded amounts for each bid item shall equal the amount bid for that item. The total of the Schedule of Values shall equal the current Contract value at all times. At any time during the progress of the Work of the Contract the INSPECTOR reserves the right to review the cost loading of the Schedules of Values and direct necessary revisions. When requested by the INSPECTOR, the CONTRACTOR shall provide all information necessary to substantiate the cost loading.

E. Attached are samples of the Schedule of Values. The City will provide project specific Schedule of Values for the CONTRACTOR to use throughout the project at the Preconstruction Meeting. The Schedule of Values must be used by the CONTRATRACTOR at the time of each progress payment.

END OF SECTION

Project Name

Contractor Name
Address
Address
Phone:

PROJECT NUMBER:

FOR BILLING PERIOD ENDING:
INVOICE DATE:
INVOICE NO.

BID ITEM/DESCRIPTION OF WORK FOR BID ITEM		QUANT.	UNIT	UNIT BID PRICE	ITEM BID PRICE	WORK PREVIOUSLY COMPLETED		WORK COMPLETED THIS MONTH		TOTAL QTY TO DATE	VALUE OF WORK COMPL TO DATE
						QTY	$ VALUE	QTY	$VALUE		
					$0.00		$0.00			0.0	$0.00
					$0.00		$0.00			0.0	$0.00
					$0.00		$0.00			0.0	$0.00
					$0.00		$0.00			0.0	$0.00
					$0.00		$0.00			0.0	$0.00
					$0.00		$0.00			0.0	$0.00
					$0.00		$0.00		$0.00	0.0	$0.00
					$0.00		$0.00		$0.00	0.0	$0.00
					$0.00		$0.00			0.0	$0.00
					$0.00		$0.00		$0.00	0.0	$0.00
					$0.00		$0.00		$0.00	0.0	$0.00
					$0.00		$0.00			0.0	$0.00
					$0.00		$0.00		$0.00	0.0	$0.00
					$0.00		$0.00		$0.00	0.0	$0.00
					$0.00		$0.00		$0.00	0.0	$0.00
					$0.00		$0.00		$0.00	0.0	$0.00
					$0.00		$0.00			0.0	$0.00
					$0.00		$0.00		$0.00	0.0	$0.00

Project Name

PROJECT NUMBER:

FOR BILLING PERIOD ENDING:

INVOICE DATE:

INVOICE NO.

Contractor Name
Address
Address
Phone:

	BID ITEM/ DESCRIPTION OF WORK FOR BID ITEM	QUANT.	UNIT	UNIT BID PRICE	ITEM BID PRICE	WORK PREVIOUSLY COMPLETED		WORK COMPLETED THIS MONTH		TOTAL QTY TO DATE	VALUE OF WORK COMPL TO DATE
						QTY	$ VALUE	QTY	$VALUE		
					$0.00		$0.00			0.0	$0.00
					$0.00		$0.00		$0.00	0.0	$0.00
					$0.00		$0.00			0.0	$0.00
					$0.00		$0.00		$0.00	0.0	$0.00
					$0.00		$0.00		$0.00	0.0	$0.00
					$0.00		$0.00		$0.00	0.0	$0.00
					$0.00		$0.00		$0.00	0.0	$0.00
					$0.00		$0.00		$0.00	0.0	$0.00
					$0.00		$0.00		$0.00	0.0	$0.00
					$0.00		$0.00		$0.00	0.0	$0.00
	TOTALS				$0.00		$0.00		$0.00		$0.00

SUMMARY OF CHANGE ORDERS	QTY	UNIT	UNIT BID PRICE	QTY	$ VALUE	QTY	$ VALUE	TOTAL QTY TO DATE	VALUE OF WORK COMPL TO DATE
CHANGE ORDER NO. 1	1	LS						0.0	$0.00
CHANGE ORDER NO. 2	1	LS						0.0	$0.00
CHANGE ORDER NO. 3	1	LS						0.0	$0.00
CHANGE ORDER NO. 4	1	LS						0.0	$0.00
CHANGE ORDER NO. 5	1	LS						0.0	$0.00
CHANGE ORDER NO. 6	1	LS						0.0	$0.00
CHANGE ORDER NO. 7	1	LS						0.0	$0.00
CHANGE ORDER NO. 8	1	LS						0.0	$0.00
CHANGE ORDER NO. 9	1	LS						0.0	$0.00
CHANGE ORDER NO. 10	1	LS						0.0	$0.00
								0.0	$0.00
								0.0	$0.00
								0.0	$0.00
								0.0	$0.00
								0.0	$0.00
CHANGE ORDERS TOTAL			$0.00				$0.00		$0.00

		VALUE OF WORK COMPLETED TO DATE	$0.00
ORIGINAL CONTRACT PRICE	$0.00	AMOUNT DUE THIS PERIOD INCL RETENTION	$0.00
TOTAL AMOUNT OF CHANGE ORDERS	$0.00	LESS 5% RETENTION	$0.00
ESTIMATED TOTAL CONTRACT PRICE TO DATE	$0.00	**AMOUNT DUE THIS PERIOD**	**$0.00**

SECTION 01321 CONSTRUCTION SCHEDULE

1. THE REQUIREMENT

A. It is expressly understood and agreed that the time of beginning, the rate of progress, and the time of completion of the Work are of the essence of this Contract.

B. The CONTRACTOR'S representative in charge of scheduling is required to attend all meetings pertaining to scheduling and progress of the Work.

C. The CONTRACTOR shall submit to the ENGINEER 3 hard copies and the electronic file of the CONTRACTOR'S Construction Schedule (the schedule) at the time of the preconstruction meeting. The schedule shall be either a Critical Path Method (CPM) Network or a detailed Bar Chart with the critical path clearly shown. If the CPM network option is used, then Primavera Project Management or Microsoft Project shall be the scheduling software. If a detail Bar Chart is used, Microsoft Excel shall be the software utilized. The schedule shall include the following:

1. Activity ID,
2. Activity Description,
3. Start date for each activity,
4. Finish date for each activity,
5. Original duration,
6. Predecessor,
7. Successor,
8. Percent Complete,
9. Remaining Days.

A minimum of seven (7) calendar days for review of each schedule. Schedule activities shall be of sufficient detail to assure adequate planning has been done for proper execution of the Work and such that, in the sole judgement of the ENGINEER, it provides an appropriate basis for monitoring progress. The schedule shall begin with the date of issuance of the Notice to Proceed and conclude with the date of Final Completion shown in the Contract. Submittal and approval of the schedule in accordance with the requirements of this Section is a condition precedent to the issuance of any payments under this Contract. Once the schedule is approved it will become the baseline schedule and must be shown and compared on all subsequent schedule submittals.

D. Float, slack time, or contingency within the schedule (i.e., the difference in time between the project's early completion date and the required Contract Completion date), and total float within the schedule, is not for the exclusive use of either the CITY or the CONTRACTOR, but is a jointly owned expiring resource available to and shared by both parties. Pursuant to this float sharing requirement, use of

float suppression techniques shall be cause for rejection of the schedule and any revisions or updates.

E. Time extensions shall not be granted nor delay damages paid until a delay occurs which is beyond the control and without the fault or negligence of the CONTRACTOR and its Subcontractors or Suppliers, at any tier, and which extends actual performance of the Work beyond the current Contract completion date and the completion date projected by the current, approved, updated schedule. If the delay occurs along a path, which the current approved Construction Schedule update projects late completion prior to addition of any CITY caused delay, then the time extension allowed will be only for the additional delay demonstrated by the approved Time Impact Analysis. Time extensions shall be granted only if they are clearly demonstrated by the CONTRACTOR through the submittal, within seven (7) calendar days after the delay occurs, of a Time Impact Analysis which demonstrates the estimated impact on the end date of the Work; is based upon the updated Construction Schedule current as of the month the delay occurred; and demonstrates that the delay cannot be mitigated, offset, or eliminated through such actions as revising the intended sequence of Work or other means.

If a time extension if granted by the CITY, the updated schedule reflecting the change shall become the baseline and be reflected schedule and must be shown and compared on all subsequent schedule submittals.

Since float time within the Construction Schedule is jointly owned, it is acknowledged that CITY caused delays on the project may be offset by CITY caused time savings (e.g. critical path submittals returned in less time than allowed by the Contract or approval of substitution requests which result in a savings of time to the CONTRACTOR). In such an event, the CONTRACTOR shall not be entitled to receive a time extension or delay damages until all CITY caused time savings are exceeded and the Contract completion date is also exceeded.

F. If the initial schedule submitted shows completion of Work more than thirty (30) calendar days in advance of the Contract completion date, the ENGINEER may, at no cost to the CITY, decrease the Contract duration by issuance of a Change Order which changes appropriate Milestone Date(s) and the Contract completion date to the completion date reflected on the schedule. Any approved schedule, revision, or update having an early completion date shall show the time between the early completion date and the Contract completion date as "project float".

G. Comments made by the ENGINEER on the schedule during review will not relieve the CONTRACTOR from compliance with all requirements of the Contract. The ENGINEER may request that the CONTRACTOR and all major Subcontractors (defined herein as being any Subcontractor, Sub-Subcontractor, or Supplier with five (5) percent or more of the value of the Contract) participate in

review of any schedule submission. All revisions shall be submitted within seven (7) calendar days after the ENGINEER'S review.

H. Two copies of an updated schedule shall be submitted to the ENGINEER for approval with the submittal of each CONTRACTOR'S monthly payment request or the monthly payment request will be withheld. For those activities started but not yet completed at the time of submittal, the updated schedule shall reflect the percentage complete, as agreed between the CONTRACTOR and the INSPECTOR, and an estimate of the remaining duration. The monthly update of the schedule shall include an updated bar chart with logic arrows or network diagram and include the same additional data as required by Section 1.C. If the CPM network option is used, the schedule shall be calculated using remaining durations and the progress override option. The monthly update shall also include a complete, hard copy list of all the changes made from the previously approved submittal. If the schedule is done using Primavera, use a Claim Digger report for the list of changes.

I. The submittal of an updated schedule which meets the requirements of this Section, accurately reflects the status of the Work (for all previously accepted activities), and incorporates all approved changes into the schedule, shall be a condition precedent to the processing of the monthly payment application. (Actual and/or forecast dates for status of additional submittal cycles shall be added without the prior approval of the Engineer.) Updated schedules shall also be submitted at such other times as the ENGINEER may direct. Upon approval of a Change Order or issuance of a notice to proceed with a change, the approved change shall be reflected in the next schedule update.

J. If completion of any part of the Work, delivery of equipment or materials, or submittal of CONTRACTOR submittals is behind schedule and will impact the end date of the Work, the CONTRACTOR shall submit a written recovery plan acceptable to the ENGINEER for completing the Work by the current Contract completion date, if requested by the ENGINEER.

K. As a condition precedent to the release of any retained funds, the CONTRACTOR shall, after substantial completion of the Work has been achieved, submit a certified, final schedule which accurately reflects the manner in which the project was constructed and includes actual start and completion dates for all activities on the schedule.

END OF SECTION

SECTION 01322 CONSTRUCTION PROGRESS PHOTOGRAPHY

1.1 GENERAL

A. Required**:** Provide photographs taken at the Jobsite at the specified stages of Contracted Work in accordance with provisions of this Section.

1. The Contractor shall provide the City with photos with addresses identifying each property location, the direction the photograph was taken (facing North, South etc).

2. Take first photographs just before CONTRACTOR starts any work operations at the Jobsite.

3. Take final photographs when all Contracted Work has been completed, regardless of time interval since previous photographs were taken.

1.2 SUBMITTALS

Except as otherwise directed by the ENGINEER, submit all photographs electronically on a CD/DVD organized by phase of construction and location.

1.3 QUALITY ASSURANCE

Photographs and prints to be of professional quality; clear, in focus, with high resolution and sharpness, and with minimum distortion.

END OF SECTION

SECTION 01323 CONSTRUCTION STATUS REPORTS

1.1 REQUIREMENTS

A. Daily Status Report

The Contractor shall complete a daily report indicating manpower, major equipment, subcontractors, unusual occurrences and etc., involved in the performance of the work. The daily report shall be completed on forms prepared by the Contractor and approved by the City and shall be submitted to the Project Manager at the conclusion of each work week.

The Contractor shall also have workers on the project sign in and out each day on the City of Redlands Daily Sign In Sheet which shall state the name, times in and out and the work performed by each worker on the project each day. The completed Daily Sign In Sheets shall be submitted to the City of Redlands Project Manager at the end of each work week. Failure to submit daily reports and daily sign in sheets to the Project Manager on a weekly basis will result in a possible and temporary suspension of work until reports are submitted.

B. Weekly Status Report

During the construction phase of the Work, the CONTRACTOR shall submit weekly written status reports to the ENGINEER and the INSPECTOR. The report shall contain a record of inspections and tests, not performed by CITY forces, for all Work accomplished subsequent to the previous report and shall include the following information:

1. Type of work under way during the time frame of the report (e.g., earthwork, concrete work, structural steel erection, equipment manufacturing, component installation).

2. Inspections and tests, and location of inspections and tests that were made.

3. Results of inspections.

4. Reports of tests performed, including those specified, with the results of the tests, and acceptance criteria, including failures and remedial action to be taken. Test results, including all computations, shall be attached to the report form. Where test results cannot be completed by the time the report is submitted, a notation shall be made that the test was performed, including the approximate expected date that test results will be reported.

5. Report of any nonconforming items/activities. Nonconformance report forms designed solely for this purpose shall be utilized.

6. Results of inspections of material and equipment done upon their arrival at the Jobsite and prior to their incorporation into the Work. This includes, but is not limited to, compliance with approved submittals, damage, and proper storage requirements.

7. Offsite quality control activities.

8. Instructions received from the ENGINEER or INSPECTOR.

9. In all cases, the report must be verified and signed by the CONTRACTOR'S representative. The verification is to contain the statement that all supplies and materials incorporated in the Work are in compliance with the terms of the Contract except where noted.

C. 3 Week Look Ahead Schedule

During the construction phase of the Work, the CONTRACTOR shall submit 3 Week Look Ahead reports to the ENGINEER at the weekly progress meetings or as directed by the ENGINEER. The report shall include the following information:

1. Type of work under way during the time frame of the report (e.g., earthwork, concrete work, structural steel erection, equipment manufacturing, component installation).

D. Miscellaneous Submittals

CONTRACTOR shall prepare a Daily Construction Report recording the following information concerning events at the job-site and submit original copies to the ENGINEER at weekly intervals for approval:

1. List of Subcontractors and Sub-Subcontractors at the site**,** types of works and job location.

2. Count of CONTRACTOR’S personnel at the site**,** name, type of work, hours completed and job location.

3. Construction equipments at the site.

4. High and low temperatures, general weather conditions.

END OF SECTION

SECTION 01330 SUBMITTALS

1.1 THE REQUIREMENT

A. The CONTRACTOR shall furnish a schedule and list of all required submittals to the ENGINEER, including required submittals by all Subcontractors.

B. Wherever called for in these Specifications or on the plans, or where required by the ENGINEER, the CONTRACTOR shall furnish to the ENGINEER for review, two (2) hard copies and one electronic (PDF) copy of each submittal. The term "submittal" as used herein shall be understood to include detail design calculations, design drawings, shop drawings, fabrication and installation drawings, erection drawings, lists, graphs, operating instructions, catalog sheets, data sheets, samples, and similar items. Unless otherwise required, said submittals shall be submitted to the ENGINEER at a time sufficiently early to allow review of same by the ENGINEER and to accommodate the rate of Construction Progress required under the Contract without delaying the Contract Work and with due regard for the possibility of resubmittals. All submittals shall be in English.

C. All design or shop drawings or other submittals shall be accompanied by a transmittal form for each submittal. Any submittal not accompanied by such a form may be returned, at the ENGINEER'S discretion, for resubmittal.

D. Normally, a separate transmittal form shall be used for each specific item or class of material or equipment for which a submittal is required. Transmittal of a submittal of various items using a single transmittal form will be permitted only when the items taken together constitute a manufacturer's "package" or are so functionally related that expediency indicates a review of the group or package as a whole. A multiple-page submittal shall be collated into sets, and each set shall be stapled or bound, as appropriate, prior to transmittal to the ENGINEER.

E. Shop Drawings shall show in detail the size, sections, and dimensions of all the member(s); the arrangement and construction of all connections and joints; all holes, straps, and other fittings required for attaching work and other pertinent details. When required, engineering computations shall be submitted. The CONTRACTOR shall be responsible for delivering reviewed copies of shop Drawings to all others whose work is dependent thereon. The CONTRACTOR shall maintain at the site of the Project, at all times, a complete file of approved Shop Drawings and manufacturers' data for this Project.

F. Except as may otherwise be provided herein, the ENGINEER will return prints of each submittal to the CONTRACTOR, with its comments noted thereon, within twenty (20) calendar days following their receipt by the ENGINEER. It is considered reasonable that the CONTRACTOR shall make a complete and acceptable submittal to the ENGINEER by the second submission of a submittal

item. The CITY reserves the right to withhold moneys due the CONTRACTOR to cover additional costs of the ENGINEER'S review beyond the second submittal. Submittal will be returned to the CONTRACTOR with one of four (4) markings:

1. If a submittal is returned to the Contractor marked "NO EXCEPTIONS," formal revision and resubmission of said submittal will not be required.

2. If a submittal is returned to the Contractor marked "EXCEPTIONS NOTED," formal revision and resubmission of said submittal will not be required, unless specifically requested.

3. If a submittal is returned to the Contractor marked "RETURNED FOR CORRECTION," the Contractor shall revise said submittal and shall resubmit the originally required number of copies of said revised submittal to the Engineer.

4. If a submittal is returned to the Contractor marked "NOT ACCEPTABLE," the Contractor shall revise said submittal and shall resubmit the originally required number of copies of said revised submittal to the Engineer.

G. All Work for which Shop Drawings are required shall be performed in accordance with the reviewed and approved copies. Fabrication of an item shall not commence before the ENGINEER has reviewed the pertinent submittal and returned the copies to the CONTRACTOR marked either "NO EXCEPTIONS TAKEN," or "MAKE CORRECTIONS NOTED“. Revisions indicated on submittals shall be considered as changes necessary to meet the requirements of the Contract Documents and shall not be taken as the basis for claims for extra work.

H. All CONTRACTOR submittals shall be carefully reviewed by an authorized representative of the CONTRACTOR prior to submission to the ENGINEER. Each submittal shall be dated, signed, and certified by the CONTRACTOR as being correct and in strict conformance with the Contract Documents. No consideration for review by the ENGINEER of any CONTRACTOR’S submittal will be made for any items which have not been so certified by the CONTRACTOR. All noncertified submittals will be returned to the CONTRACTOR without action taken by the ENGINEER, and any delays caused thereby shall be the total responsibility of the CONTRACTOR.

I. Should the Shop Drawings or manufacturers data (for submittals required by the Standard Specifications or the specifications) show variations from the Contract requirements, the CONTRACTOR shall make specific mention of such variations in the letter of transmittal, in order that, if acceptable, suitable action may be taken for proper adjustment of the Contract; otherwise the

CONTRACTOR will not be relieved of the responsibility for executing the work in accordance with the Contract Documents, and the approved submittals.

J. The ENGINEER'S review of CONTRACTOR'S submittal shall not relieve the CONTRACTOR of the entire responsibility for the correctness of details and dimensions and conformance to the Specifications. The CONTRACTOR shall assume all responsibility and risk for any misfits due to any errors in the submittal. Any fabrication or other work performed in advance of the receipt of accepted submittals shall be entirely at the CONTRACTOR'S risk and expense. The CONTRACTOR shall be responsible for the dimensions and the design of adequate connections and details.

K. CONTRACTOR'S Coordination:

1. ENGINEER will return and will not review unrelated submittals.

2. The CONTRACTOR may be required to provide drawings, setting diagrams and similar information necessary for proper coordination of Contracted Work. Such data shall remain between the CONTRACTOR and CONTRACTOR'S Subcontractor and will not be reviewed by the ENGINEER unless specifically called for in the Contract Documents.

3. ENGINEER will not review any required Structural Shop Drawings, Structural Calculations, etc., not prepared or signed by a State of California licensed ENGINEER.

4. ENGINEER will return and will not review any submittal requiring coordination with other submittals until such other submittals or required information is received by the Consultant or ENGINEER.

L. CONTRACTOR'S Submittals: CONTRACTOR'S submittals required for performance of Contracted Work, shall include, but are not limited to, the following:

1. Schedule of Values for all Lump Sum items within the Proposal.

2. Construction Schedule and Notification to ENGINEER of completion of each milestone or percentage increment of the Work as required.

3. Submittal Schedule

4. Daily Construction Reports

5. Shop Drawings and Structural Calculations.

6. Manufacturer's Data and Specifications.

7. Samples

8. Templates

9. Certificate of Compliance

10. Construction Photographs

11. Substitutions

12. Record Drawings and Record Project Manual

13. Operation & Maintenance Manuals

14. Stock Materials, Spare parts, tools

15. Material Testing Results

16. Maintenance Logs and Maintenance Schedule.

M. CONTRACTOR shall conform to the provisions of the Contract Document and as may be specifically directed by the ENGINEER.

1. Preparation and processing of submittals shall be coordinated with Contracted Work operations, which include fabrication, purchasing and delivery of work items so as not to delay Contracted Work operations.

2. In each copy of the Submittal, mark every applicable material, product, equipment, manufacturer's data, product information, color samples, rating or values, part and model numbers, etc. by red color circle. Each of the submittal items must be clearly distinguishable from other unrelated or similar items listed in the Manufacturer's Catalog or Technical Specifications, Manuals, etc.

N. Coordination and Submittals:

1. Carefully review and coordinate all aspects of each item being submitted.

2. Carefully review contract drawings and technical sections, verify all work as laid out or indicated meeting the applicable codes and standards.

3. Ensure ample time for reviewing and processing of the submittals by the CITY or other authorized agencies, delays resulting from improper and untimely submittals shall be the responsibility of the CONTRACTOR.

4. Verify that all such submittal items conform to the Project Manual requirements noted in the Technical Sections.

5. Verify all site conditions and provide all required dimensions and measurements in Shop Drawings.

6. Where necessary, review the CITY'S comments, make changes and resubmit to local governing agencies for approval. Furnish the ENGINEER copies of the approved plans or drawings for review.

O. CONTRACTOR shall affix to each submittal, the CONTRACTOR'S signature certifying that required coordination has been performed and include on an attached label for processing and recording action taken, noting the following:

1. Name of the Project

2. Date of the Submittal

3. Name and address of Consultant

4. Name and address of the CONTRACTOR

5. Name and address of the Subcontractor(s)

6. Name and address of the Supplier

7. Name and address of the Manufacturer

8. Reference to Specification Section Number and Title

9. Reference to Drawing Sheet Number and detail(s)

10. Submittal Number

11. Priority Number and expected return date.

END OF SECTION

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THE CITY OF REDLANDS
MUNICIPAL UTILITIES AND ENGINEERING DEPARTMENT

SUBMITTAL COVER SHEET

Project Name:		**Submittal Number:**	
Project Number:		**Date of Submittal:**	
Submitted By:			

Submittal Title:	

Priority Type (Select One):	☐ Low	☐ Normal	☐ High

Submittal Type (Select One):	☐ Pre-Construction	☐ Post-Construction

Category (Select One):	
☐ Product Data	☐ Close-Out
☐ Shop Drawing	☐ Warranty
☐ Mock Up	☐ Test Report
☐ Sample	☐ Operation / Maintenance Manual
☐ Certification	☐ MSDS – Material Safety Data Sheets
☐ As-Built	

THE CITY OF REDLANDS
MUNICIPAL UTILITIES AND ENGINEERING DEPARTMENT

REQUEST FOR INFORMATION (RFI)

Project Name:		**RFI Number:**	
Project Number:		**Date of RFI:**	
Submitted By:			

RFI Title:	

Work Impact? (Select One):	☐ No	☐ Unknown
	☐ Yes – Work Impeded	☐ Yes – Work Stopped

Question:

Proposed Solution (Optional):

Requestor:

Signature: _____

Title: _____ **Date:** _____

SECTION 01572 EROSION CONTROL PLAN

Contractor shall comply with all laws, codes, ordinances and requirements of governing agencies regarding the discharge of pollutants, air and water pollution control and any other requirements for this project. Within 5 days of the Notice to Proceed, Contractor shall submit two (2) hardcopies of the draft Erosion Control Plan to the City for review. Any corrections or changes shall be made to the Erosion Control Plan, approved by the Engineer and implemented prior to any construction work on this project. The plan shall be updated as necessary or required for compliance purposes.

Payment for work on this item shall be made as a percentage of work completed at each monthly payment. All work under this item shall be as shown on the approved drawing accepted by the City prior to any work on the project. The Contractor shall have all work installed and inspected by the City prior to any work on the project.

Full compensation for this item shall be in accordance with all state and federal NPDES rules, regulations, requirements and laws and shall constitute all work for providing, installing, maintaining and removing all work as required for all excavations, earthwork, grading, grinding, paving, concrete, runoff containment, and any other work performed within the project boundaries.

END OF SECTION

SECTION 01581 CONSTRUCTION INFORMATION SIGNS

1.1 THE REQUIREMENT

The City shall provide the Contractor with all required construction information signs for the project. The signs shall be installed at the locations noted in the plans, if included, or as otherwise directed by the Engineer. If the project consists of numerous sites, the construction information signs shall be relocated to each site as work progresses. The construction signs shall be installed the same day work commences on any construction site. If the sign is not installed prior to construction work beginning at a subsequent site, the City will install the information signs at the Contractor's expense.

The installation of each sign shall be the responsibility of the contractor to include mounting posts, hardware and any related incidentals to ensure the sign is placed in a safe and secure manner. For any sign required for multiple site projects, where the sign is frequently relocated and not anticipated to be installed in the ground on posts, the Contractor shall provide a Type III barricade for mounting. The contractor shall obtain approval from the Engineer following installation of the construction information sign. If the signs are installed in the ground with posts, proper vertical clearance shall be provided. The minimum vertical clearance shall be six feet within a parkway area and seven feet within the sidewalk.

The construction information sign shall remain visible at all times. The contractor shall replace stolen signs at their expense and maintain the signs, ensuring all graffiti, soil, paint, etc. is removed from the sign immediately. Upon completion of the project, each sign shall be removed and returned to the City. If the sign is not returned to the City at the completion of the project in the original condition, the cost of the sign shall be withheld from the final progress payment.

The Contractor shall notify Underground Service Alert (Dig alert) at least 2 working days, but not more than 14 calendar days, prior to performing any excavation.

Full compensation for furnishing all labor, equipment, materials, and tools required to perform the tasks noted above, and as ordered by the Engineer, shall be considered as being included in the various Contract items of work and no separate or additional compensation will be allowed therefore.

END OF SECTION

SECTION 01721 MOBILIZATION

1.1 THE REQUIREMENT

A. General

Whether Mobilization is included as a Contract Bid Item in the Bid Proposal Form or specified as part of the lump sum in the Contract Documents, the cost of labor, equipment, materials and incidentals for doing all the work in mobilization (in advance of construction operations and not directly attributable to any specific bid item) shall be included in the Contract Price Breakdown and progress payment estimate. If there is no mobilization bid item the CONTRACTOR shall submit to the INSPECTOR for approval the Contract Price Breakdown with the amount established for mobilization.

Mobilization shall include, but not be limited to, the following items, all as required for the proper performance and completion of the Work:

1. Obtaining all permits, licenses, insurance, and bonds. Providing copies to the ENGINEER.

2. Moving onto the Jobsite all of CONTRACTOR'S plant and equipment as required.

3. Erecting temporary buildings and other construction facilities.

4. Installing temporary construction power and wiring.

5. Establishing fire protection system for its temporary facilities.

6. Developing construction water supply.

7. Providing field office trailers for the CONTRACTOR, complete with all specified equipment, furnishings, utility services and required approvals from the CITY.

8. Providing sanitary facilities or connecting to onsite sanitary facilities as specified.

9. Providing for potable water facilities as specified. This includes a means by which all on site CONTRACTOR, Subcontractor or supplier personnel can wash their hands with soap.

10. Arranging for, and erection of, CONTRACTOR'S work and storage yards and sheds.

11. Submitting all required Subcontractor insurance certificates and bonds.

12. Posting all CAL/OSHA required notices and establishment of safety programs.

13. Furnishing of Construction Schedule, Contract Price Breakdown and Submittal Schedules.

14. Erecting all temporary fencing, including removal and disposal of existing temporary fencing.

END OF SECTION

SECTION 01722 SURVEYING

PART 1 - GENERAL

A. General

1. The CONTRACTOR shall be responsible for all surveys required to layout the Work and for the accuracy of all survey work for construction. The CONTRACTOR shall include the cost of all such survey work in their Bid. The CONTRACTOR shall have all construction surveying performed by a `Licensed Land Surveyor' or a `Civil Engineer' registered by the State of California to perform such work. The ENGINEER reserves the right to verify all survey work done by the CONTRACTOR.

2. The CONTRACTOR shall preserve the initial survey control points for the duration of their usefulness. Monumentation that is subject to disturbance or destruction shall be located and referenced prior to construction and relocated and referenced if necessary after construction, in accordance with the following requirements.

B. Construction Surveys

1. The CONTRACTOR shall provide all reference stakes and form checks necessary for construction and inspection of improvements. All construction staking shall be documented in cut sheets and provided to the ENGINEER. This staking may include but is not limited to: removals, joins, rough grade, slope, utilities, storm drains, sewers, curbs, walks, paving, wall and building stakes; and any other staking necessary for construction and inspection.

C. Reference Or Grade Stakes

1. A reference or grade stake shall be set for each grade change or angle point shown on the plan, standard plan, and shop drawing, in addition to the normal staking interval.

D. Form Checks

1. Forms shall be checked when durable points may be disturbed, removed, or are impractical to be used to verify the design location. The measured location shall be recorded in the survey field notes. All variations from the plan location shall be brought to the attention of the ENGINEER.

E. Staking Intervals And Offset Stake Lines

1. All staking intervals shall be in accordance as directed by the Engineer. Stake lines shall be set at an offset distance from the improvement to ensure proper grade, station, and alignment.

F. Utility Stakes

1. The CONTRACTOR shall provide stakes for all utilities, public or private, that require location or relocation, unless otherwise stated.

G. Additional Survey Work

1. The CONTRACTOR may be required to furnish additional survey work, such as profiles, restakes, Change Orders, etc., at the request of the ENGINEER or the INSPECTOR.

H. Accuracy

1. The CONTRACTOR shall use appropriate surveying methods to obtain the following standards: For fixed works (i.e. cast-in-place concrete; asphalt pavement, pipes and drains; and other items determined by the ENGINEER) the following survey standards shall be used. The absolute horizontal accuracy, in relationship to the Engineer's control, shall be such that the semimajor axis of its 95% error ellipse is ±0.015 foot or less. The absolute vertical accuracy, in relationship to the Engineer's control, shall be such that its standard deviation is ±0.015 foot or less. The relative horizontal accuracy of survey points within the Project shall be such that the semimajor axis of its 95% error ellipse is ±0.015 foot or less. The relative vertical accuracy of survey points within the Project shall be such that its standard deviation is ±0.015 foot or less.

2. For excavation purposes, the following survey standards shall be used. The absolute horizontal accuracy, in relationship to the Engineer's control, shall be such that the semimajor axis of its 95% error ellipse is ±0.1 foot or less. The absolute vertical accuracy, in relationship to the Engineer's control, shall be such that its standard deviation is ±0.1 foot or less. The relative horizontal accuracy of survey points within the Project shall be such that semimajor axis of the 95% error ellipse is ±0.1 foot or less. The relative vertical accuracy of survey points within the Project shall be such that its standard deviation is ±0.1 foot or less.

I. Survey/Inspector

1. The CONTRACTOR shall provide to the INSPECTOR those measurements and control points necessary to determine the location and conformance to the plan, line, and grade of the improvements necessary for inspection purposes.

J. Survey Notes

1. The CONTRACTOR shall supply and keep notes on CITY standard format note sheets. The ENGINEER may request copies of, and otherwise review, survey notes at any time during the construction phase of the Project. Upon completion of the Project, the original survey notes shall become the property of the CITY and shall be delivered to the ENGINEER

PART 2 – MONUMENT PRESERVATION GUIDELINES

A. New & Reconstruction Projects

1. Prior to Construction

a. The public survey records are to be researched for the location of all possible survey monuments within the scope of the project and copies shall be furnished to the survey crew.

b. The survey crew shall diligently search for all survey monuments of record above or below the surface, within the road right-of-way. It is suggested that this search would include the use of a metal detector. When the detector indicates the possibility of a buried survey monument, then digging below the surface to uncover the monument is required.

c. The survey crew shall properly reference all found survey monuments, which may be disturbed or covered during construction, to stable surface points.

d. The authorized surveyor shall properly complete a Corner Record or Record of Survey for the monuments noted in item c, above. Prior to the start of any construction work, the original or a print of the Corner Record or Record of Survey shall be submitted to the County Surveyor for review, signature and filing. A copy shall also be provided to the City prior to the start of construction to provide documentation that the requirement is met.

2. After Construction and Prior to Notice of Completion

a. All covered and disturbed monuments shall be reset with the same or more durable type of monument as the original, in the surface of the construction. Key monuments shall be a minimum 1” inside diameter iron pipe of appropriate length.

b. A monument box or other protective structure is recommended to be placed around key monuments (section corners, quarter section corners).

c. The authorized surveyor shall properly completes a Corner Record or Record of Survey for all set monuments with a change in character, including tag number, and submit it to the County Surveyor for review, signature and filing. A copy shall also be provided to the City prior to the Notice of Completion to provide documentation that the requirement is met.

B. Overlay Projects

1. Prior To Construction

   a. The public survey records are to be researched for the location of all possible survey monuments within the scope of the project and copies shall be furnished to the survey crew.

   b. The survey crew shall diligently search for all survey monuments of record and on the surface of the road. It is suggested the search would include the use of a metal detector. When the detector indicates the possibility of a buried survey monument, then digging below the surface to uncover the monument within 2" of the road surface is recommended.

   c. The survey crew shall properly reference found survey monuments, which may be disturbed or covered during construction, to stable surface points.

   d. The authorized surveyor shall properly complete a Corner Record or Record of Survey for the monuments noted in item 3, above. Prior to the start of any construction work, the original or a print of the Corner Record or Record of Survey shall be submitted to the County Surveyor for review, signature and filing. A copy shall also be provided to the City prior to the start of construction to provide documentation that the requirement is met.

2. After Construction and Prior to Notice of Completion

   a. All covered or disturbed monuments and surface monuments are reset in the new road surface, or a new monument is set in the new road surface above the buried one.

   b. All existing monument boxes will be adjusted to grade or replaced, as appropriate.

   c. A monument box or other protective structure should be placed around key monuments (section corners, quarter section corners).

   d. The authorized surveyor shall properly complete a Corner Record or Record of Survey for all set monuments and existing monuments with a change in character, including tag number and submits it to the County Surveyor for review, signature and filing. A copy shall also be provided to the City prior to the Notice of Completion to provide documentation that the requirement is met.

C. Slurry Seal Projects

1. Prior To Construction

   a. The public survey records are to be researched for the location of all possible survey monuments within the scope of the project and copies furnished to for the survey crew.

b. All monument boxes shall be located and steps taken to ensure that the survey monuments inside are readily accessible upon completion of the project.

c. The survey crew shall diligently searches for survey monuments on the surface of the roadway, and identify said monuments recovered in the field to ensure that they will be protected. The survey crew shall inventory the monuments recovered in the field in a manner that allows for their recovery and inspection after construction.

2. After Construction and Prior to Notice of Completion

a. All monument boxes shall be inspected, and appropriate action taken when needed, to ensure that the survey monuments inside are readily accessible.

b. The survey crew shall review the inventory of found monuments by field inspection to ensure that all survey monuments are clean and exposed. Those monuments covered after construction is completed shall be uncovered.

D. Monument Tie Preservation

1. Prior To Construction

a. All existing survey monument ties within the scope of the project shall be researched and identified prior to construction. Surveyor may obtain existing tie sheets from the City as available.

b. If it is determined that all ties for a survey monument may be disturbed during construction, the Surveyor shall relocate the monument ties prior to construction, within improvements that will not be disturbed, and file the revised tie sheet with the City. A minimum of three tie points should reference each centerline monument, whenever possible

2. After Construction and Prior to Notice of Completion

a. If it is determined that the result of construction will not disturb all survey monument ties for a specific monument, the Surveyor shall replace all monument ties disturbed during construction per the following guidelines:

i. Monument ties shall be placed during the finishing process of the concrete improvements.
ii. Monument ties shall be set below the elevation of the adjacent top of curb to provide protection from any future cleaning, maintenance or work around the tie.
iii. A minimum of three tie points should reference each centerline monument, whenever possible.

b. Once the construction is complete, the Surveyor shall prepare a revised tie sheet, and file with the City for all monument ties disturbed during the construction.

END OF SECTION

SECTION 01732 POTHOLING

1.1 THE REQUIREMENT

A. The CONTRACTOR shall conduct exploratory excavations by potholing to verify or to discover the actual locations and the size of existing underground utilities and improvements. The CONTRACTOR shall take care not to damage existing facilities during potholing operations. Any utility or existing facility (including those located by Underground Service Alert - USA) within 3 feet of any trench or excavation shall be potholed prior to starting the contract work in the vicinity. Potholing shall be done in each given area where excavation work is to occur at least fourteen (14) calendar days in advance of any excavation or construction in that area, to avoid possible delay in the progress of the Work.

B. Potholing shall consist of excavations at the locations of utilities or other underground facilities indicated on the Drawings, located by USA, or as directed by the ENGINEER. All costs of potholing operations for the utilities indicated on the Drawings shall be included in the CONTRACTOR'S Bid.

C. If an allowance for "Additional Potholing" has been established and included in the SCHEDULE OF WORK AND PRICES, this allowance shall only be used to reimburse the CONTRACTOR for potholing utilities not shown or otherwise referenced on the drawings, or as directed by the ENGINEER. If the total cost of the Work directed under the Additional Potholing allowance differ from the amount set forth in the SCHEDULE OF WORK AND PRICES, the Contract Price shall be adjusted by a Change Order. The adjustment shall be the difference between the total actual costs and the amount included in the Bid, as an additional amount due to the CONTRACTOR or a credit to the CITY, as appropriate.

D. In addition to the potholes indicated on the Drawings, or directed by the ENGINEER, the CONTRACTOR may opt to do further potholing deemed necessary at no additional cost to the CITY.

E. Potholing operations shall conform to all applicable requirements as to sidewall slopes, sheeting and shoring, and all other excavation and trenching provisions specified herein.

F. Potholes shall be identified and protected in accordance with the Engineer's instructions, the California Manual on Uniform Traffic Control Devices (MUTCD) and Work Area Traffic Control Handbook (WATCH) Standards.

G. The CONTRACTOR'S proposed method of potholing and schedule for potholing shall be submitted to the ENGINEER for approval, at least thirty (30) days prior to the commencement of operation. Any utilities damaged during potholing shall be immediately reported to the ENGINEER and INSPECTOR and repairs made immediately in accordance with the specifications.

H. A complete log of all potholes shall be kept by the CONTRACTOR, showing specific locations and dimensions of trenches. The log shall be verified by the INSPECTOR prior to the backfilling of the potholes. The verified log will be submitted to the ENGINEER and the INSPECTOR within two (2) working days after completion of potholing in each area. Payment for potholing utilities not shown or otherwise referenced on the drawings, or as directed by the ENGINEER will not be made unless these potholes are listed on the verified log.

I. The CONTRACTOR shall record the coordinates, elevations and dimensions of all utilities and improvements verified or discovered by potholing. The records shall be submitted to the ENGINEER within two (2) working days after the completion of potholing in each area. The records shall also include dates of the potholing operations and any additional discovered information or pertinent data.

J. Upon completion of potholing in each area, and after verification of the logs by the INSPECTOR, potholes shall be immediately backfilled and compacted in accordance with the specifications, or restored as directed by the ENGINEER.

END OF SECTION

SECTION 01740 DEMOBILIZATION

1.1 THE REQUIREMENT

A. General

Whether Demobilization is included as a Contract Bid Item in the Bid Proposal Form or specified as part of the lump sum in the Contract Documents, the cost of labor, equipment, materials and incidentals for doing all the work in demobilization (upon completion of all contract work and not directly attributable to any specific bid item) shall be included in the Contract Price Breakdown and progress payment estimate. If there is no demobilization bid item the CONTRACTOR shall submit to the INSPECTOR for approval the Contract Price Breakdown with the amount established for demobilization.

Demobilization shall include, but not be limited to, the following items, all as required for the proper performance and completion of the Work:

1. Moving off of the Jobsite all of CONTRACTOR'S plant and equipment as required.

2. Dismantling and removing all temporary buildings and other construction facilities.

3. Dismantling and removing all temporary construction power and wiring.

4. Removing all sanitary facilities from the work site.

5. Remove all waste, debris, and rubbish caused by construction operations within the work area, adjacent properties and public roads.

6. Materials and equipment shall be removed from the site as soon as they are no longer necessary. Before the final inspection, the site shall be cleared of equipment, unused materials and rubbish so as to present a satisfactory clean and neat appearance. All cleanup costs shall be included in the CONTRACTOR'S Bid.

7. Dismantling and removal of all temporary fencing.

8. Provide City with all required As-Built drawings.

9. All required Corner Records have been filed with the County and all copies provided to the City per Section 01722 Surveying.

10. All items noted within the final inspection ("Punchlist") have been completed to the satisfaction of the City.

11. All project photographs as required within Section 01322 Construction Progress Photography have been provided.

12. Notice of Completion (NOC) will not be filed until all work is complete per this Section 01740.

END OF SECTION

TECHNICAL SPECIFICATIONS

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SECTION 02222 PROTECTING EXISTING UNDERGROUND UTILITIES

PART 1 - GENERAL

A. Description

This section includes materials and procedures for protecting existing underground utilities.

B. Related Work Specified Elsewhere

1. General Conditions

PART 2 - MATERIALS

A. Replacement in Kind

Except as indicated below or as specifically authorized by the Owner's Representative, reconstruct utilities with new material of the same size, type, and quality as that removed.

B. Vitrified Clay Sewer Pipe and Couplings

For sewer pipe 8 inches in diameter or under, replacement shall consist of plain-end pipe conforming to ASTM C 700. Compression couplings shall conform to ASTM C 594, band seal couplings or equal. Use at least two lengths of pipe in crossing the trench section as shown on the details in the drawings.

PART 3 - EXECUTION

A. General

1. Replace in kind street improvements, such as curbs and gutters, barricades, traffic islands, signalization, fences, signs, etc., that are cut, removed, damaged, or otherwise disturbed by the construction.

2. Where utilities are parallel to or cross the construction but do not conflict with the permanent work to be constructed, follow the procedures given below and as indicated in the drawings. Notify the utility owner 48 hours in advance of the crossing construction and coordinate the construction schedule with the utility owner's requirements. For utility crossings not shown in the drawings, refer to the General Conditions and the instructions of the Owner's Representative for guidance.

3. Determine the true location and depth of utilities and service connections which may be affected by or affect the work. Determine the type, material, and condition

of these utilities. In order to provide sufficient lead time to resolve unforeseen conflicts, order materials and take appropriate measures to ensure that there is no delay in work.

4. Expose utilities 1,300 feet in advance of the pipeline construction.

B. Procedures

1. Protect in Place: Protect utilities in place, unless abandoned, and maintain the utility in service, unless otherwise specified in the drawings or in the specifications.

2. Cut and Plug Ends: Cut abandoned utility lines and plug the ends. Plug storm drains and sewers with an 8-inch wall of brick and mortar. Cap waterlines with a cast-iron cap or install a 3-foot-long concrete plug. Dispose of the cut pipe as unsuitable material.

3. Remove and Reconstruct: Where so indicated in the drawings or as required by the Owner's Representative, remove the utility and, after passage, reconstruct it with new materials. Provide temporary service for the disconnected utility.

C. Compaction

1. Utilities Protected in Place: Backfill and compact under and around the utility so that no voids are left.

2. Utilities Reconstructed: Prior to replacement of the utility, backfill the trench and compact to an elevation 1 foot above the top of the ends of the utility. Excavate a cross trench of the proper width for the utility and lay, backfill, and compact.

3. Alternative Construction--Sand Slurry: Sand slurry consisting of one sack (94 pounds) of portland cement per cubic yard of sand and sufficient moisture for workability may be substituted for other backfill materials to aid in reducing compaction difficulties. Submit specific methods and procedures for the review of the Owner's Representative prior to construction.

4. The protection of the utility during construction.

D. Thrust Blocks on Waterlines

Note that restrained joints is the required method of controlling thrust restraint on this project except where shown on the plans or as approved otherwise by the City of Redlands.

1. The Contractor's attention is called to thrust blocks delineated in the drawings for waterlines throughout the project whose thrust is in the direction of the new excavation and, therefore, may be affected by the construction. These waterlines are owned and operated by the Owner. Protect thrust blocks in place or shore to resist the thrust by a means approved by the Owner and reconstruct. If the thrust blocks

are exposed or rendered to be ineffective in the opinion of the Owner's Representative, reconstruct them to bear against firm unexcavated or backfill material.

2. Provide firm support by backfilling that portion of the trench for a distance of 2 feet on each side of the thrust block to be reconstructed from the pipe bedding to the pavement subgrade, with either:

   a. Sand-cement slurry (94 pounds of cement per cubic yard).

   b. The native material compacted to a relative compaction of 95%.

3. Then excavate the backfill material for construction of the thrust block.

4. Test compaction of the backfill material before pouring any concrete thrust block. Use Class 560-C-3250 concrete for reconstruction.

E. Adjacent Parallel Utilities

1. The Contractor's attention is called to utilities throughout the project that are parallel to the proposed utility.

2. The position of these utilities is just outside the new construction. Protect these utilities from any disturbances and repair the lines and associated vaults and appurtenances if they are damaged in any way. All costs incurred for protection of these lines or any costs incurred due to the presence of the lines, whether or not they lie within the new construction, shall be borne in full by the Contractor.

END OF SECTION

APPENDIX

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APPENDIX A
CHECKLIST OF LABOR LAW REQUIREMENTS

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CHECKLIST OF LABOR LAW REQUIREMENTS
TO REVIEW AT JOB CONFERENCE MEETINGS

Name (print) _____ Date _____

Company _____ Project _____

The Federal and State labor law requirements applicable to the contract are composed of, but not limited to, the following:

1. Payment of Prevailing Wage Rates

The contractor to whom the contract is awarded and its subcontractors hired for the public works project are required to pay not less than the specified general prevailing wage rates to all workers employed in the execution of the contract. The contractor is responsible for ascertaining and complying with all current general prevailing wage rates for crafts and any rate changes that occur during the life of the contract. Information on all prevailing wage rates and all rate changes are to be posted at the job site for all workers to view.

2. Apprentices

It is the duty of the contractor and subcontractors to employ registered apprentices on the public works project under Labor Code Section 1777.5.

3. Penalties

There are penalties required for contractor's/subcontractor's failure to pay prevailing wages and for failure to employ apprentices, including forfeitures and debarment under Labor Code Sections 1775; 1776; 1777.1; 1777.7 and 1813.

4. Certified Payroll Reports

Under Labor Code Section 1776, contractors and subcontractors are required to keep accurate payroll records showing the name, address, social security number and work classification of each employee and owner performing work; also the straight time and overtime hours worked each day and each week, the fringe benefits, and, the actual per diem wage paid to each owner, journey person, apprentice worker or other employee hired in connection with the public works project. Employee payroll records shall be certified and shall be made available for inspection at all reasonable hours at the principal office of the contractor/subcontractor, or shall be furnished to any employee, or his/her authorized representative on request, pursuant to Labor Code Section 1776. Each contractor and subcontractor shall submit its weekly certified payroll reports to the LCR from the agency no less than weekly or within ten days of request. In the event that there has been no work performed during a given week, the certified payroll report shall be annotated: "No work" for that week. Under Labor Code Section 1776(h) there are penalties required for contractor's/ subcontractor's failure to maintain and submit copies of certified payroll records on request. **For projects bidding after April 1, all contractors will need to upload their certified payroll to the Department of Labor Standards Enforcement website. Effective Jan. 1, 2016, ALL projects will require contractors to upload all certified payroll. This requirement is in addition to the request for payrolls by the City of Redlands;

5. Nondiscrimination in Employment

There exist prohibitions against employment discrimination under Labor Code Sections 1735 and 1777.6, the Government Code, the Public Contracts Code, and Title VII of the Civil Rights Act of 1964.

6. Kickbacks Prohibited

Contractors and subcontractors are prohibited from recapturing wages illegally or extracting "kickbacks" from employee wages under Labor Code Section 1778.

7. Acceptance of Fees Prohibited

There exists a prohibition against contractor/subcontractor acceptance of fees for registering any person for public work under Labor Code Section 1779; or for filling work orders on public works contracts pursuant to Labor Code Section 1780.

8. Listing of Subcontractors

All prime contractors are required to list properly all subcontractors hired to perform work on the public works projects covering more than one-half of one percent, pursuant to Government Code 4100 et seq.

9. Properly Licensed and Registered

Contractors are required to be licensed properly and to require that all subcontractors be properly licensed. Penalties are required for employing workers while unlicensed under Labor Code Section 1021 and under the California Contractor License Law found at Business and Professions Code Section 7000 et seq. Contractors and subcontractors are also required to be registered with the Division of Labor Standards Enforcement to work on public works projects in California. Requirements for registration and penalties for not being registered are found in Labor Code 1773.3.

10. Unfair Competition Prohibited

Contractors and subcontractors are prohibited from engaging in unfair competition as specified under Business and Professions Code Sections 17200 to 17208.

11. Workers Compensation Insurance

Labor Code 1861 requires contractors and subcontractors be insured properly for workers compensation.

12. OSHA

Contractors and subcontractors are required to abide by the Occupational, Safety and Health laws and regulations that apply to the particular construction project.

13. Undocumented Workers

Contractors and subcontractors are prohibited by the Federal government against hiring undocumented workers, and must secure proof of eligibility/citizenship from all workers.

14. Itemized Wage Statements

Contractors and subcontractors must provide itemized wage statements to employees per Labor Code 226.

In accordance with Federal and State laws and with the awarding agency contract documents, the undersigned prime contractor wishes to assure the City of Redlands that it intends to comply with the above-referenced labor law requirements, fully understanding that failure to comply with the above requirements may subject it to penalties as provided above.

Contractor	**City of Redlands**
_____	_____
Name Printed	Name Printed
_____	_____
Signature	Signature
_____	_____
Title	Title
_____	_____
Date	Date

IMPORTANT NOTICE

New Requirements for Contractors Working on California Public Works / Prevailing Wage Projects

Significant changes in prevailing wage law have recently been made that affect all contractors working on Public Works Projects within California. Please note the following important information:

CONTRACTOR REGISTRATION REQUIREMENT

By April 1, 2015, all contractors must be registered with the Division of Labor Standards Enforcement (DLSE) to work on public works projects in California.

WHO must register?
All contractors and subcontractors working on public works projects in California must be registered. This includes prime contractors, subcontractors and sole owner/operators- everyone performing labor on a public works project.

WHEN is registration required?
Contractors must be registered with the DLSE to bid on all public works projects that bid after March 1, 2015. All contractors working on public works projects must be registered by April 1, 2015. Registration is valid until June 30 of each year and may be renewed annually. Registrations are currently being accepted.

WHERE do I register?
Registration is done online at:
https://efiling.dir.ca.gov/PWCR/ActionServlet?action=displayPWCRegistrationForm

HOW MUCH is the fee?
Contractor registration fee is currently set at $300 but may increase each year. This fee shall be paid during the initial registration and each annual renewal.

DO I qualify for registration?
Contractors will need to meet minimum qualification standards to be registered. These include:

- Be properly licensed with the Contractors State License Board for your trade.
- Provide evidence of workers compensation insurance (if applicable).
- Be in good standing (Have no outstanding liabilities for wages, damages, penalties due to an employee or the State, may not be under State or Federal debarment).

WHAT happens if I don't register?
Unregistered contractors working on or bidding for public works projects will be subject to an immediate $2,000 fine and the $300 registration fee to continue working on the project. Unregistered contractors may be removed from the project by the Awarding Agency. Contractors found working on public works projects without being registered also risk not being approved for registration by DLSE.

ELECTRONIC CERTIFIED PAYROLL REPORTING REQUIREMENTS

Prevailing wage law has been changed to require contractors to submit certified payrolls electronically to the DLSE.

WHO is required to submit certified payrolls?
All contractors, subcontractors and sole owner/operators will be required to submit certified payrolls electronically to the DLSE.

WHEN do I need to submit certified payrolls electronically?
If your project is awarded after April 1, 2015, electronic payroll submission is required immediately. Otherwise, electronic payroll submission will be required for all projects awarded on or after January 1, 2016.

WHERE do I submit my certified payrolls?
For now, certified payrolls can be submitted by contractors to the DLSE at: https://apps.dir.ca.gov/ecpr/DAS/AltLogin This website address will change when the DLSE implements their online electronic database system which still has not been developed. Alliant will notify contractors when this system is available.

DO I still need to submit hard copy certified payrolls?
The City of Redlands will still require hard copy submission of certified payroll reports per your contract. The requirement to submit certified payrolls electronically to the DLSE does not replace the requirement for contractors to submit payrolls to the City of Redlands.

Contact the City of Redlands regarding any questions you may have regarding the new requirements for contractor registration or online submission of certified payroll: (909) 798-7698.

PUBLIC WORKS CONTRACT AWARD INFORMATION (DAS-140)

This is not a request for dispatch of apprentices.

Contract award information must be sent to your Apprenticeship Committee if you are approved to train. If you are not approved to train, you must send the information (which may be this form) to ALL applicable Apprenticeship Committees in your craft or trade in the area of the site of the public work. Go to: **http://www.dir.ca.gov/das/PublicWorksForms.htm** for information about programs in your area and trade. The information shall be provided to the applicable apprenticeship committee within ten (10) days of the date of the execution of the prime contract or subcontract, but in no event later than the first day in which the contractor has workers employed upon the public work.

Do not send this form to the Division of Apprenticeship Standards.

NAME OF YOUR COMPANY	CONTRACTORS STATE LICENSE NO.
MAILING ADDRESS-NUMBER & STREET, CITY, ZIP CODE	AREA CODE & TELEPHONE NO.
NAME AND ADDRESS OF PUBLIC WORKS PROJECT	DATE YOUR CONTRACT WAS EXECUTED
	DATE OF EXPECTED/ACTUAL START OF PROJECT
NAME & ADDRESS OF PUBLIC AGENCY AWARDING CONTRACT	ESTIMATED NUMBER OF JOURNEYMAN HOURS
	OCCUPATION OF APPRENTICE
THIS FORM IS BEING SENT TO: (NAME AND ADDRESS OF APPRENTICESHIP PROGRAM(S)	ESTIMATED NUMBER OF APPRENTICE HOURS
	APPROXIMATE/ACTUAL DATES TO BE EMPLOYED

This is not a request for dispatch of apprentices.

Contractors must make a separate request for actual dispatch, in accordance with Section 230.1(a) California Code of Regulations

Check One of the Boxes Below

1. ☐ We are already approved to train apprentices by the _____ Apprenticeship Committee. We will employ and train under their standards. (Enter name of Committee)

2. ☐ We will comply with the standards of _____ Apprenticeship Committee for the duration of this job only. (Enter name of Committee)

3. ☐ We will employ and train apprentices in accordance with the California Apprenticeship Council regulations, including § 230.1 (c) which requires that apprentices employed on public projects can only be assigned to perform work of the craft or trade to which the apprentice is registered and that the apprentices must at all times work with or under the direct supervision of journeyman/men.

_____
Signature Date

_____
Typed Name

_____
Title

DAS-140 FORM - PUBLIC WORKS CONTRACT AWARD INFORMATION

(Title 8, California Code of Regulations, Section 230)
(California Labor Code, Section 1777.5 (e))

SUBMIT CONTRACT AWARD INFORMATION

Prior to commencing work on a contract for Public Works **every** Contractor shall provide contract award information to the apprenticeship committee for each applicable apprenticeable craft or trade in the area of the site of the public works project that has approved the contractor to train apprentices. Contractors who are not already approved to train by an apprenticeship program sponsor shall provide contract award information to **all** of the applicable apprenticeship committees whose geographic area of operation includes the area of the public works project. This contract award information shall be in writing on a DAS Form 140, Public Works Contract Award Information or a letter which includes the following information:

(1) Contractor's name, address, telephone number and state license number;
(2) The full name and address of the public work awarding agency;
(3) The exact location of the public work site;
(4) Date of the contract award;
(5) Expected start date of the work;
(6) Estimated journeyman hours;
(7) Occupation of Apprentice;
(8) Approximate number of apprentices to be employed; and
(9) Approximate dates apprentices will be employed.

This information shall be provided to the applicable apprenticeship committee within ten (10) days of the date of the execution of the prime contract or subcontract, but in no event later than the first day in which the contractor has workers employed upon the public work.
Failure to provide contract award information, which is known by the awarded contractor, shall be deemed to be a continuing violation for the duration of the contract, ending when a Notice of Completion is filed by the Awarding Body, for the purpose of determining the accrual of penalties under Labor Code Section 1777.7.

THE TOP SECTION OF THE FORM COMPLETELY FILLED OUT will provide the information required pursuant to California Labor Code Section 1777.5 and California Code of Regulations Section 230.1.

LOWER SECTION OF THE FORM Check an appropriate box (#1, 2 or 3) for your status.

In addition to the "ORIGINAL(S)" mailed to all applicable Apprenticeship Committees, a copy of this information shall also be submitted to the City of Redlands.

NOTE: The filing of a DAS 140 is not a request for the dispatch of registered apprentices

CONTRACTOR FRINGE BENEFIT STATEMENT

Project Name:	Project Location:	Today's Date:
Contractor / Subcontractor Name:	Business Address:	

In order that the proper Fringe Benefit rates can be verified when checking payrolls on the above contract, the hourly rates for fringe benefits, subsistence and/or travel allowance payment made for employees by the employer on the various classes of work are tabulated below. Please Include Apprentice Rates.

Classification:		Effective Date:	Subsistence or Travel Pay: $_____
EMPLOYER PAID FRINGE BENEFITS	Health & Welfare $_____ hr	Paid To: Name of Plan/Fund/Program: Address:	_____ _____
	Pension $_____ hr	Paid To: Name of Plan/Fund/Program: Address:	_____ _____
	Vacation/Holiday $_____ hr	Paid To: Name of Plan/Fund/Program: Address:	_____ _____
	Training $_____ hr	Paid To: Name of Plan/Fund/Program: Address:	_____ _____
	Other $_____ hr	Paid To: Name of Plan/Fund/Program: Address:	_____ _____

Classification:		Effective Date:	Subsistence or Travel Pay: $_____
EMPLOYER PAID FRINGE BENEFITS	Health & Welfare $_____ hr	Paid To: Name of Plan/Fund/Program: Address:	_____ _____
	Pension $_____ hr	Paid To: Name of Plan/Fund/Program: Address:	_____ _____
	Vacation/Holiday $_____ hr	Paid To: Name of Plan/Fund/Program: Address:	_____ _____
	Training $_____ hr	Paid To: Name of Plan/Fund/Program: Address:	_____ _____
	Other $_____ hr	Paid To: Name of Plan/Fund/Program: Address:	_____ _____

Supplemental statements must be submitted during the progress of the work should there be an increase or change in rates. Use additional sheets as necessary. (Attach a copy of your most recent premium transmittal (including copy of check submitted) into each of the above plans/funds/programs or a letter from the above plans/funds/programs reflecting current payment status).

I certify under penalty of perjury that fringe benefits are paid to the approved plans, funds or programs as listed above.

Print Name and Title	Signature and Date (Wet Signature Required)

Redlands Regular Meeting of 02-20-24

California
Department of
Industrial Relations

PUBLIC WORKS PAYROLL REPORTING FORM

NAME OF CONTRACTOR:
OR SUBCONTRACTOR:

CONTRACTOR'S LICENSE NO.:
SPECIALITY LICENSE NO.:

ADDRESS:

PAYROLL NO.:

FOR WEEK ENDING:

SELF-INSURED CERTIFICATE NO.:
WORKERS' COMPENSATION POLICY NO.:

PROJECT OR CONTRACT NO.:
PROJECT AND LOCATION:

(1) NAME, ADDRESS AND SOCIAL SECURITY NUMBER OF EMPLOYEE	(2) NO. OF WITH-HOLDING EXEMPTIONS	(3) WORK CLASSIFICATION	(4) DAY	M	T	W	TH	F	S	S	(5) TOTAL HOURS	(6) HOURLY RATE OF PAY	(7) GROSS AMOUNT EARNED		(8) DEDUCTIONS, CONTRIBUTIONS AND PAYMENTS							(9) NET WGS PAID FOR WEEK	(9) CHECK NO.
				DATE																			
				HOURS WORKED EACH DAY																			
			S										THIS PROJECT	ALL PROJECTS	FED. TAX	FICA (SOC. SEC.)	STATE TAX	SDI	VAC/ HOLIDAY	HEALTH & WELF.	PENSION		
			O												TRAING.	FUND ADMIN	DUES	TRAV/ SUBS.	SAVINGS	OTHER*	TOTAL DEDUC-TIONS		
			S										THIS PROJECT	ALL PROJECTS	FED. TAX	FICA (SOC. SEC.)	STATE TAX	SDI	VAC/ HOLIDAY	HEALTH & WELF.	PENSION		
			O												TRAING.	FUND ADMIN	DUES	TRAV/ SUBS.	SAVINGS	OTHER*	TOTAL DEDUC-TIONS		
			S										THIS PROJECT	ALL PROJECTS	FED. TAX	FICA (SOC. SEC.)	STATE TAX	SDI	VAC/ HOLIDAY	HEALTH & WELF.	PENSION		
			O												TRAING.	FUND ADMIN	DUES	TRAV/ SUBS.	SAVINGS	OTHER*	TOTAL DEDUC-TIONS		
			S										THIS PROJECT	ALL PROJECTS	FED. TAX	FICA (SOC. SEC.)	STATE TAX	SDI	VAC/ HOLIDAY	HEALTH & WELF.	PENSION		
			O												TRAING.	FUND ADMIN	DUES	TRAV/ SUBS.	SAVINGS	OTHER*	TOTAL DEDUC-TIONS		

S = STRAIGHT TIME
O = OVERTIME
SDI = STATE DISABILITY INSURANCE

*OTHER – Any other deductions, contributions and/or payments whether or not included or required by prevailing wage determinations must be separately listed. Use extra sheet(s) if necessary

CERTIFICATION **MUST** be completed
(See reverse side)

712 of 923

Statement of Compliance

Date:_____

I _____, the undersigned, am the _____ with the authority to act for and on
(Print Name) (Position in Business)
behalf of _____ certify under penalty of perjury that the records commencing on _____ and ending on _____ submitted herein and consisting of ____ pages are the originals, full and corrected documents, which depict the payroll record(s) of actual disbursements by way of cash, check, or whatever form to the individual or individuals names,

(1) That this employer has complied with the requirements of the California Labor Code Sections. 1771, 1811, and 1815 for all performed on this public works project, and that the classifications set forth therein for each trade rate conform with the work Performed.
(2) That any apprentices employed in the above period are duly registered to a bona fide apprenticeship program registered with the State of California's Division of Apprenticeship Standards.

PAYROLL/OTHER DEDUCTIONS

1. I herein certify the *full* and complete Prevailing Wages were paid as currently published and posted by the Director of Industrial Relations, State of California and only deductions as authorized under the laws of the State *of* California or the laws of United States of America have been made from these sums.
2. All other deductions are clearly listed for each employee on an attachment as required by the Director of Industrial Relations, State of California.

OPTIONAL BENEFIT PLANS

I herein certify that all employee deductions for benefit plans are authorized and the employee(s) are signed up for the plan(s) and are receiving the benefit(s) of the plan(s) listed.

☐ WHERE FRINGE BENEFITS ARE PAID TO APPROVED PLANS, FUNDS, OR PROGRAMS
In addition to the basic hourly wage rates paid to each laborer or mechanic listed in the above payroll, payment of fringe benefits as listed in the contract have or will be made to the appropriate programs for the benefit of such employees, except as noted below.

☐ WHERE FRINGE BENEFITS ARE PAID IN CASH
Each laborer or mechanic listed in the above payroll has been paid as indicated on the payroll, an amount not less the sum of the applicable basic hourly rate plus the amount of the required fringe benefits as listed in the determination for the craft, except as noted below,

Exception(s)

Craft	Explanation
Craft	Explanation
Craft	Explanation

Remarks

I herein certify under the penalty of perjury all of the above is true and correct as submitted.

Name **Signature**

Date **Payroll #**

CONTRACTOR INFORMATION SHEET

Job Name: _____ Category: _____

Prime Contractor: _____

Subcontractor: _____ License#: _____

Address: _____

Phone #: _____ Payroll Report Contact: _____

Email Address: _____

Fax #: _____ Contract Amount: _____

Estimated Start Date: _____ Estimated End Date: _____

ANTICIPATED TRADES/CLASSIFICATIONS:

_____ _____

_____ _____

_____ _____

SUB-CONTRACTORS (if applicable)

Name: License #: Phone/ Fax #: Contact:

_____

_____

_____

2N

APPENDIX B

CITY OF REDLANDS WORKDAY CONSTRUCTION SCHEDULE

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CITY OF REDLANDS

MUNICIPAL UTILITIES AND ENGINEERING DEPARTMENT

2024

APPENDIX B

CONSTRUCTION WORKDAY CALENDAR

JANUARY

S	M	T	W	T	F	S
	1 1	2 2	3 3	4 4	5 5	6 6
7 7	8 8	9 9	10 10	11 11	12 12	13 13
14 14	15 15	16 16	17 17	18 18	19 19	20 20
21 21	22 22	23 23	24 24	25 25	26 26	27 27
28 28	29 29	30 30	31 31			

FEBRUARY

S	M	T	W	T	F	S
				1 32	2 33	3 34
4 35	5 36	6 37	7 38	8 39	9 40	10 41
11 42	12 43	13 44	14 45	15 46	16 47	17 48
18 49	19 50	20 51	21 52	22 53	23 54	24 55
25 56	26 57	27 58	28 59	29 60		

MARCH

S	M	T	W	T	F	S
					1 61	2 62
3 63	4 64	5 65	6 66	7 67	8 68	9 69
10 70	11 71	12 72	13 73	14 74	15 75	16 76
17 77	18 78	19 79	20 80	21 81	22 82	23 83
24 84	25 85	26 86	27 87	28 88	29 89	30 90
31 91						

APRIL

S	M	T	W	T	F	S
	1 92	2 93	3 94	4 95	5 96	6 97
7 98	8 99	9 100	10 101	11 102	12 103	13 104
14 105	15 106	16 107	17 108	18 109	19 110	20 111
21 112	22 113	23 114	24 115	25 116	26 117	27 118
28 119	29 120	30 121				

MAY

S	M	T	W	T	F	S
			1 122	2 123	3 124	4 125
5 126	6 127	7 128	8 129	9 130	10 131	11 132
12 133	13 134	14 135	15 136	16 137	17 138	18 139
19 140	20 141	21 142	22 143	23 144	24 145	25 146
26 147	27 148	28 149	29 150	30 151	31 152	

JUNE

S	M	T	W	T	F	S
						1 153
2 154	3 155	4 156	5 157	6 158	7 159	8 160
9 161	10 162	11 163	12 164	13 165	14 166	15 167
16 168	17 169	18 170	19 171	20 172	21 173	22 174
23 175	24 176	25 177	26 178	27 179	28 180	29 181
30 182						

JULY

S	M	T	W	T	F	S
	1 183	2 184	3 185	4 186	5 187	6 188
7 189	8 190	9 191	10 192	11 193	12 194	13 195
14 196	15 197	16 198	17 199	18 200	19 201	20 202
21 203	22 204	23 205	24 206	25 207	26 208	27 209
28 210	29 211	30 212	31 213			

AUGUST

S	M	T	W	T	F	S
				1 214	2 215	3 216
4 217	5 218	6 219	7 220	8 221	9 222	10 223
11 224	12 225	13 226	14 227	15 228	16 229	17 230
18 231	19 232	20 233	21 234	22 235	23 236	24 237
25 238	26 239	27 240	28 241	29 242	30 243	31 244

SEPTEMBER

S	M	T	W	T	F	S
1 245	2 246	3 247	4 248	5 249	6 250	7 251
8 252	9 253	10 254	11 255	12 256	13 257	14 258
15 259	16 260	17 261	18 262	19 263	20 264	21 265
22 266	23 267	24 268	25 269	26 270	27 271	28 272
29 273	30 274					

OCTOBER

S	M	T	W	T	F	S
		1 275	2 276	3 277	4 278	5 279
6 280	7 281	8 282	9 283	10 284	11 285	12 286
13 287	14 288	15 289	16 290	17 291	18 292	19 293
20 294	21 295	22 296	23 297	24 298	25 299	26 300
27 301	28 302	29 303	30 304	31 305		

NOVEMBER

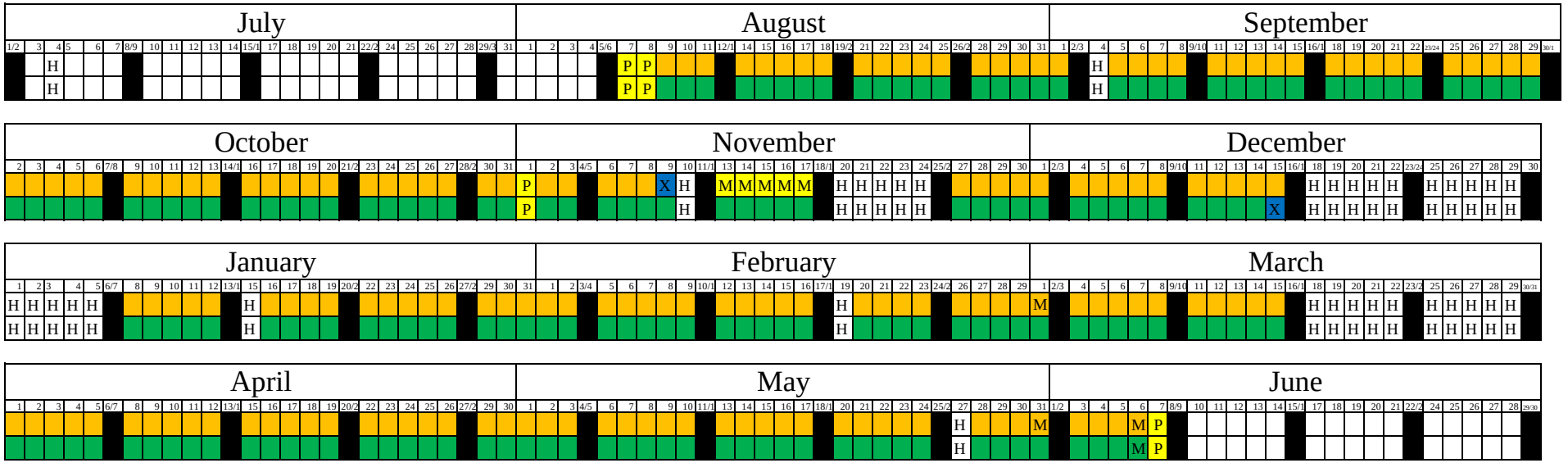
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					1 306	2 307
3 308	4 309	5 310	6 311	7 312	8 313	9 314
10 315	11 316	12 317	13 318	14 319	15 320	16 321
17 322	18 323	19 324	20 325	21 326	22 327	23 328
24 329	25 330	26 331	27 332	28 333	29 334	30 335

DECEMBER

S	M	T	W	T	F	S
1 336	2 337	3 338	4 339	5 340	6 341	7 342
8 343	9 344	10 345	11 346	12 347	13 348	14 349
15 350	16 351	17 352	18 353	19 354	20 355	21 356
22 357	23 358	24 359	25 360	26 361	27 362	28 363
29 364	30 365	31 366				

City Holiday

REDLANDS UNIFIED SCHOOL DISTRICT
STUDENT ATTENDANCE CALENDAR
2023-2024
ALL REDLANDS SCHOOLS



Elementary
Secondary

P Staff Professional Day (No Students In Attendance)
M Minimum Day- Conferences/Report Card Preparation
H Holiday (No Students In Attendance)
X Report Card Day (No Students In Attendance)

Student Attendance Days - 180
Teacher Attendance Days - 185

End of Quarter and Semester Dates - Grades TK/K and 6-12

Quarter 1 - October 6
42 days
Quarter 2 / Semester 1 - December 15
42 days Quarter 2
84 days Semester 1
Quarter 3 - March 15
48 days
Quarter 4 / Semester 2 / End of year - June 6
48 days Quarter 4
96 days Semester 2

End of Trimester Dates - Grades 1-5

Trimester 1 - November 3
61 days
Trimester 2 - March 1
62 days
Trimester 3 - June 6
58 days

H - Holidays - NO ATTENDANCE

LABOR DAY	September 4
VETERANS DAY	November 10
THANKSGIVING RECESS	November 20 - 24
WINTER RECESS	December 18 - January 5
MARTIN LUTHER KING DAY	January 15
PRESIDENTS' DAY	February 19
SPRING BREAK	March 18 - March 29
MEMORIAL DAY	May 27

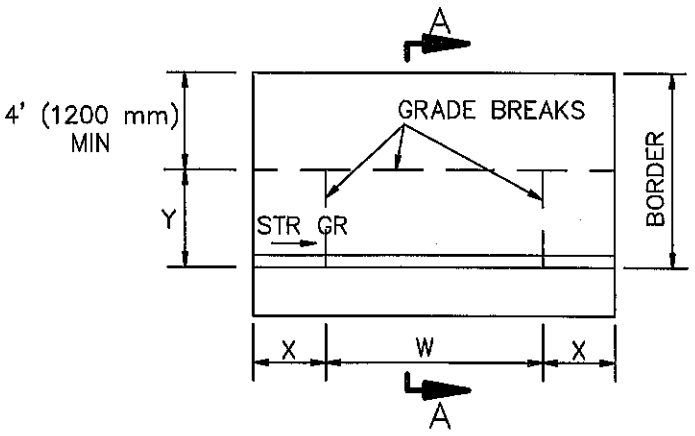
Board Approved: March 8, 2022

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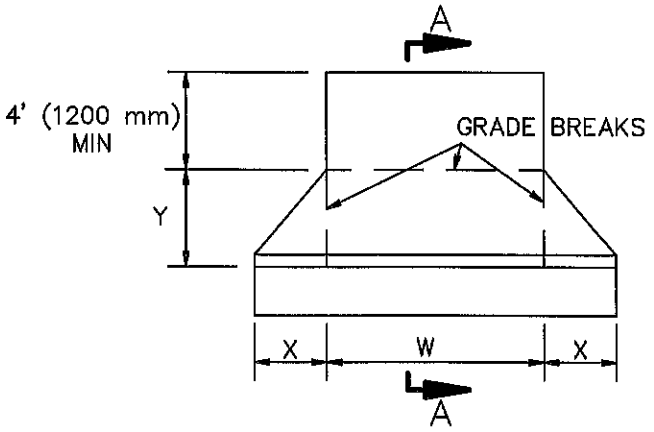
APPENDIX C

CITY OF REDLANDS STANDARD DRAWINGS

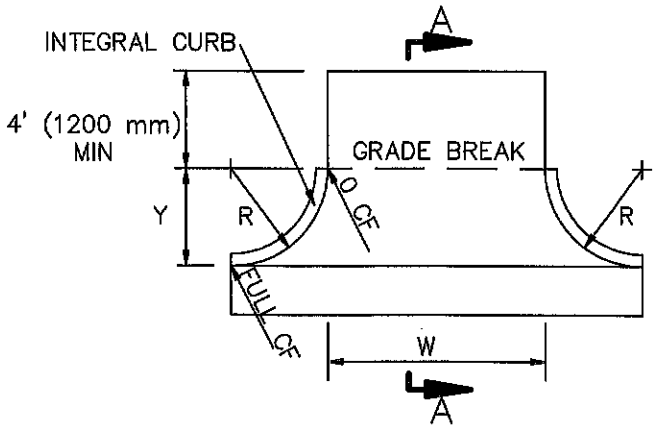
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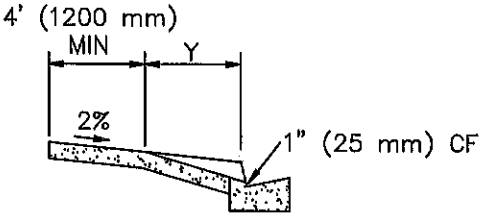
TYPE A



TYPE B



TYPE C



SECTION A–A

CURB FACE, inches (mm)	X, inches (mm)	Y, inches (mm)
6" (150) or less	3'–0" (900)	4'–0" (1200)
7" (175)	3'–6" (1050)	4'–9" (1425)
8" (200)	4'–0" (1200)	5'–8" (1700)
9" (225)	4'–6" (1350)	6'–6" (1950)
10" (250)	5'–0" (1500)	7'–3" (2175)
11" (275)	5'–6" (1650)	8'–0" (2400)
12" (300) or more	6'–0" (1800)	8'–9" (2625)

NOTES:

1. RESIDENTIAL DRIVEWAYS SHALL BE ~~4"~~ 6" (100 mm) THICK PCC.
2. COMMERCIAL DRIVEWAYS SHALL BE 6" (150 mm) THICK PCC.
3. WEAKENED PLANE JOINTS SHALL BE INSTALLED AT BOTH SIDES OF A DRIVEWAY AND AT 10' (3.0 m) INTERVALS.
4. CURB FOR TYPE C DRIVEWAY SHALL BE INTEGRAL AND MATCH ADJACENT CONSTRUCTION.
5. REFER TO LOCAL DEVELOPMENT REGULATIONS FOR AMERICANS WITH DISABILITIES ACCESS REQUIREMENTS AND MAXIMUM PERMITTED DRIVEWAY WIDTHS.
6. 560-3250-C CONCRETE TO BE USED.
7. 6-INCH THICK CLASS 2 AGGREGATE BASE SHALL BE PLACED AND COMPACTED TO 95% UNDER 6" THICK DRIVEWAY APPROACHES.

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

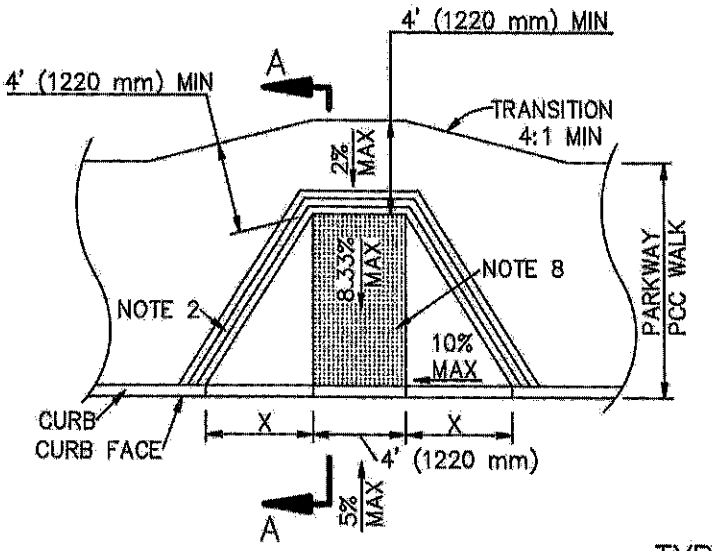
PROMULGATED BY THE PUBLIC WORKS STANDARDS INC. GREENBOOK COMMITTEE 1984 REV. 1988, 2009

DRIVEWAY APPROACHES

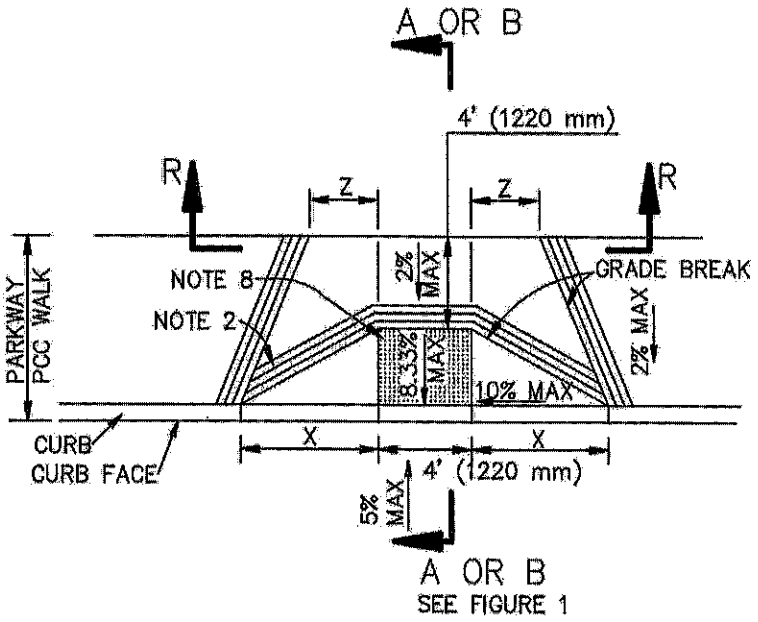
USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

STANDARD PLAN 110–2

SHEET 1 OF 1



TYPE 1

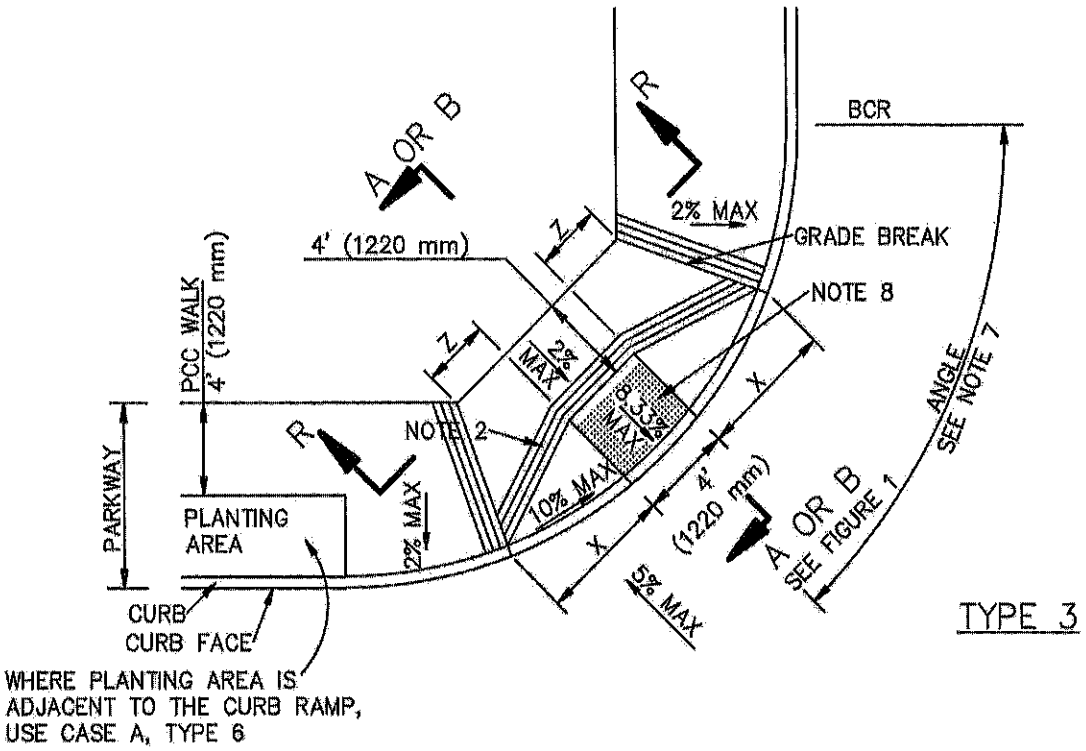


TYPE 2

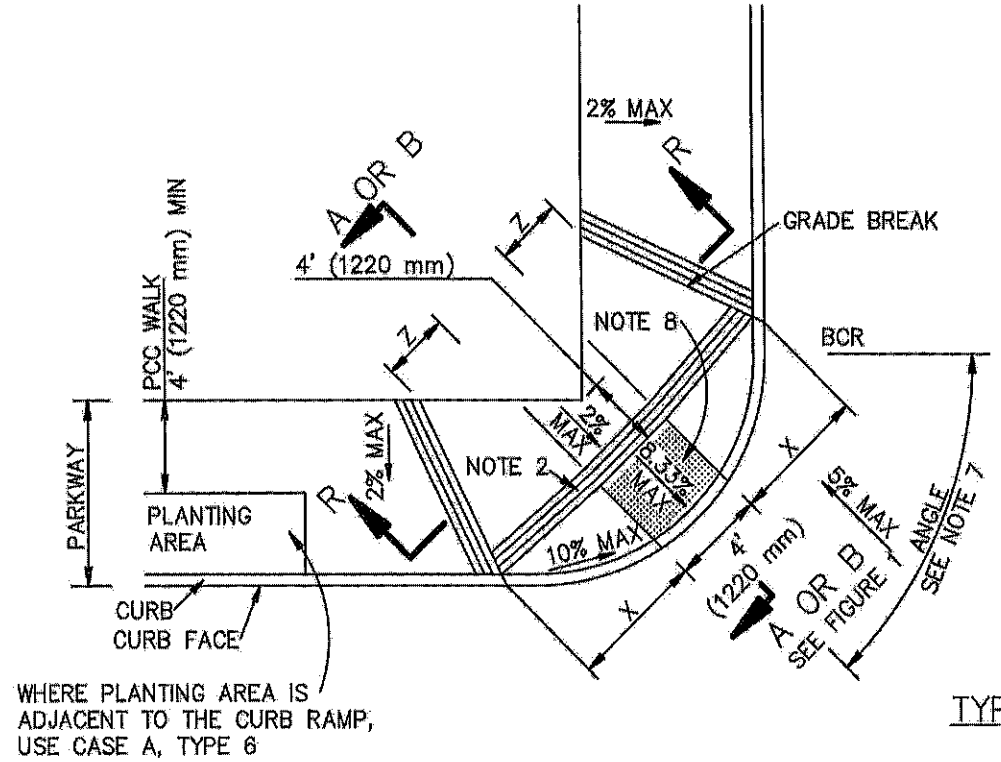
CASE A

PARTS OF THIS STANDARD PLAN SHOW INSTALLATION FOR TYPICAL RETROFIT CONDITIONS, AND ARE NOT FULLY COMPLIANT WITH CALIFORNIA BUILDING CODE REQUIREMENTS FOR NEW DEVELOPMENT.

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION		
PROMULGATED BY THE PUBLIC WORKS STANDARDS INC. GREENBOOK COMMITTEE 1992 REV. 1996, 2000, 2005, 2008, 2013	**CURB RAMP**	STANDARD PLAN **111-5**
	USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION	SHEET 1 OF 10



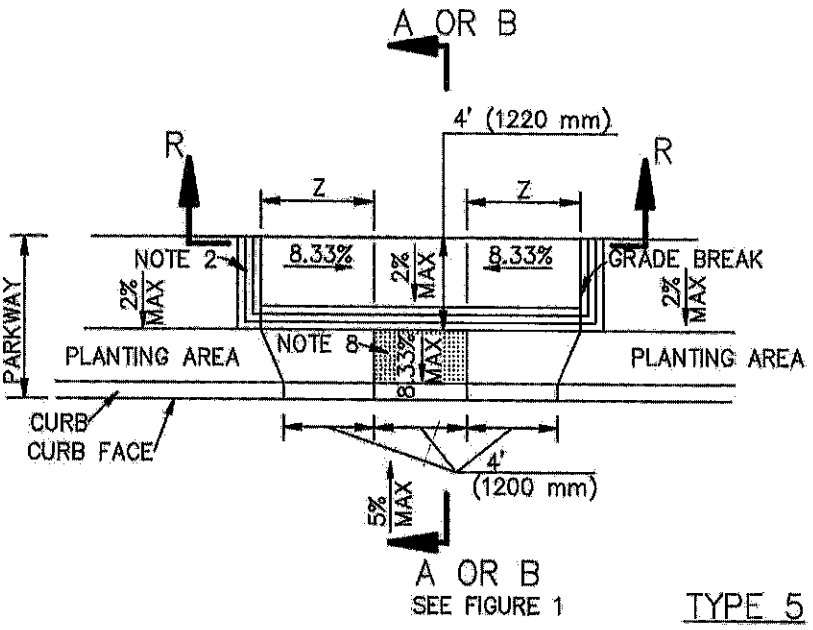
TYPE 3



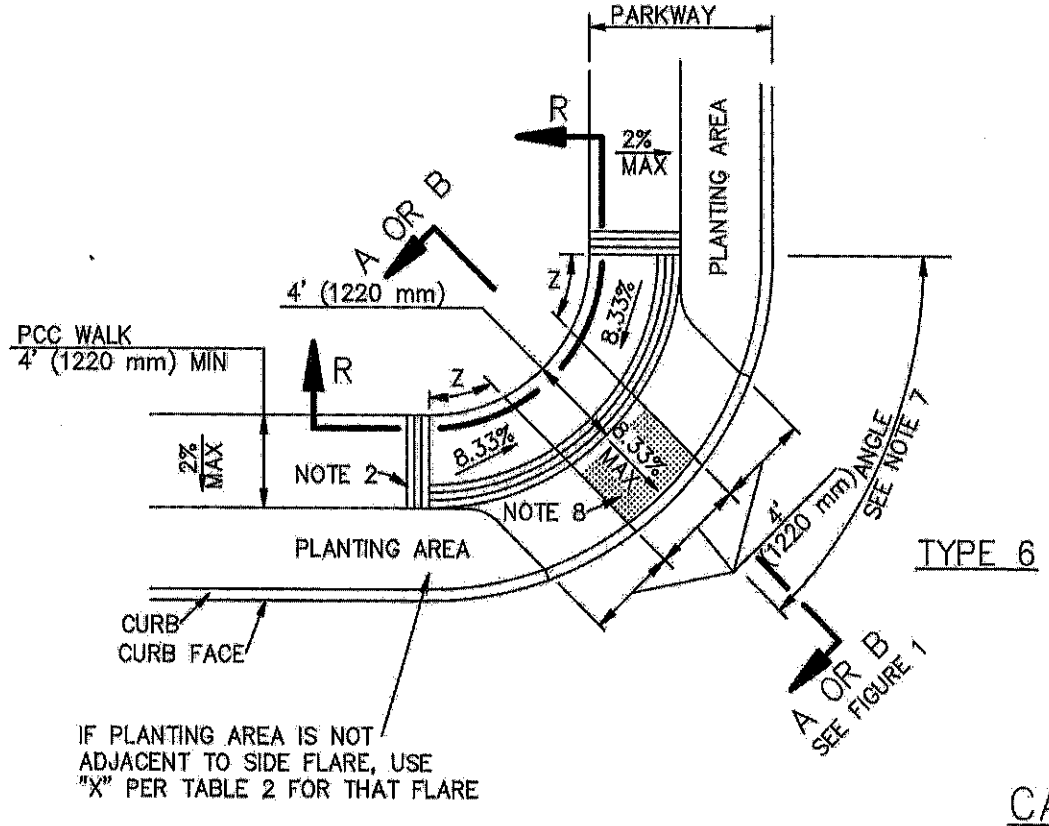
TYPE 4

CASE A

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION	STANDARD PLAN 111–5
CURB RAMP	SHEET 2 OF 10



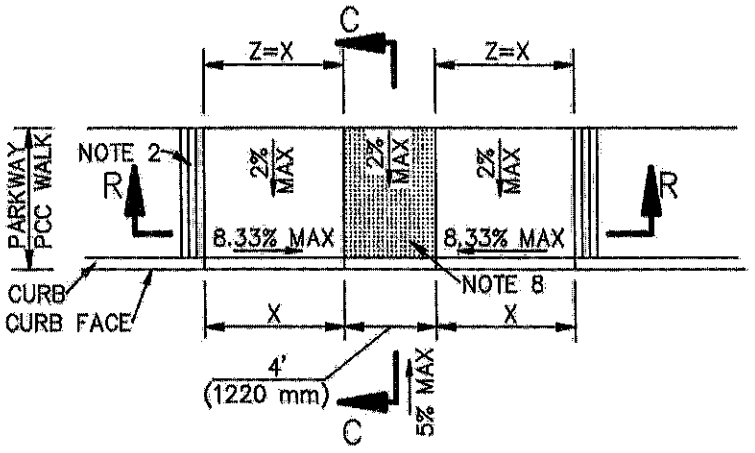
TYPE 5



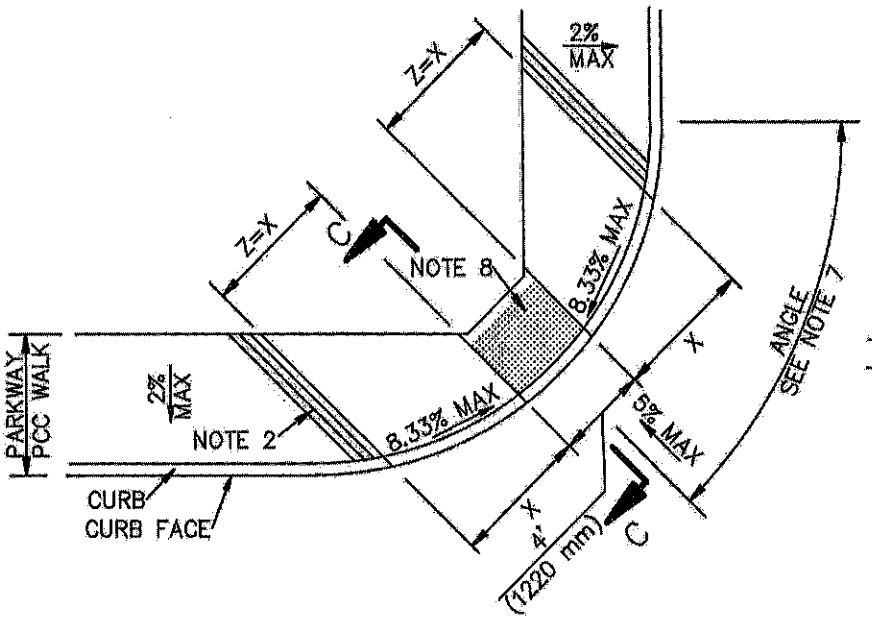
TYPE 6

CASE A

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION	STANDARD PLAN
CURB RAMP	**111-5**
	SHEET 3 OF 10



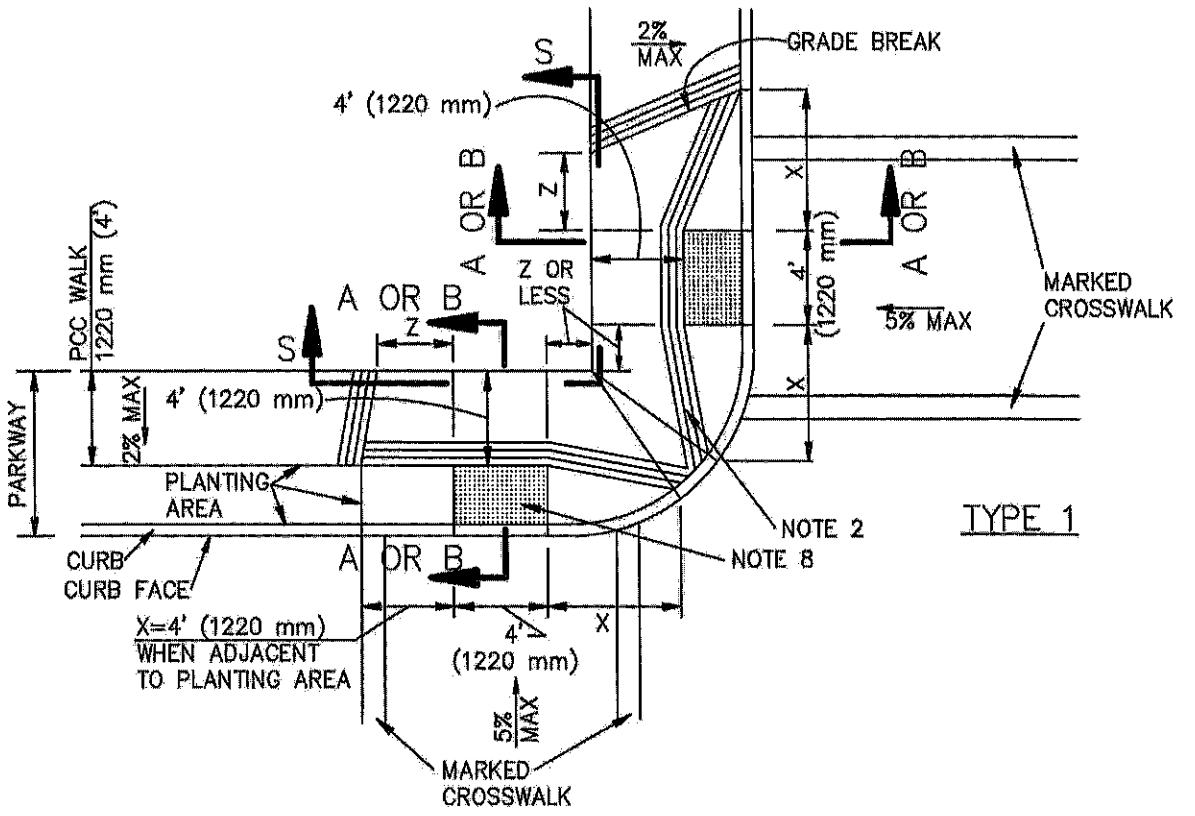
TYPE 1

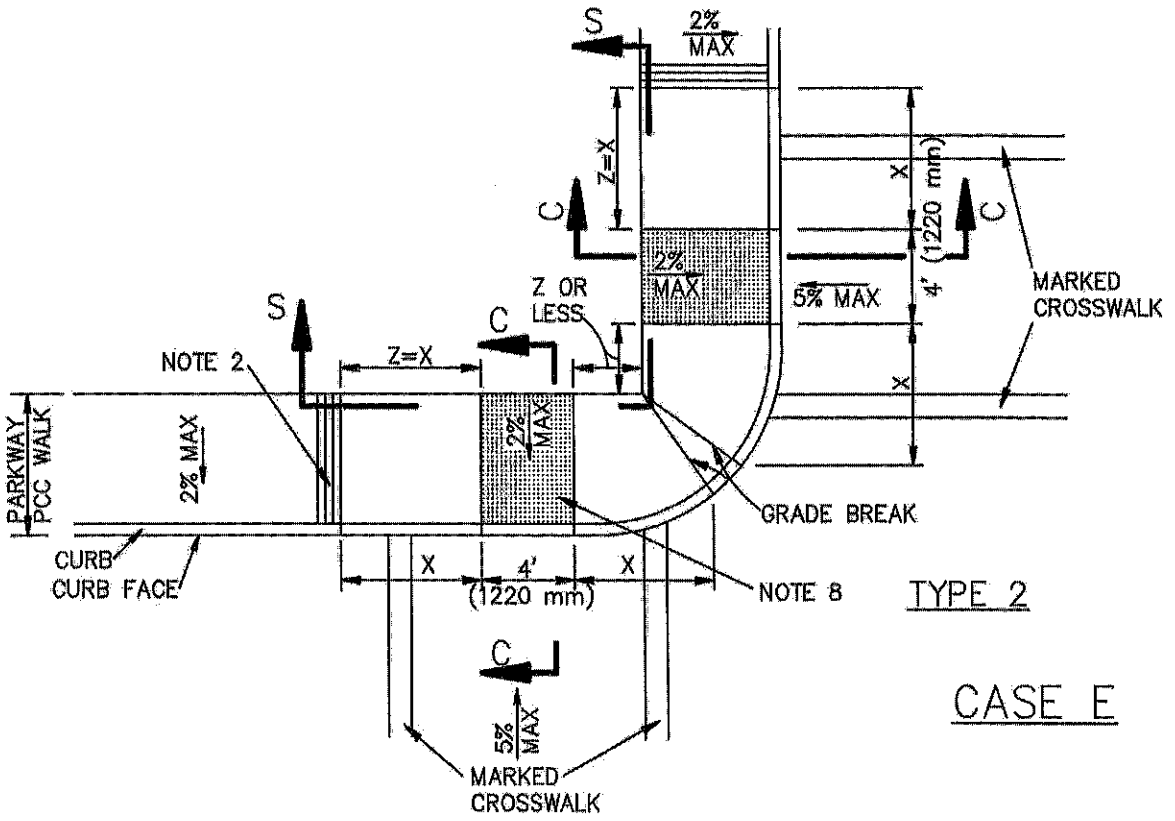


TYPE 2

CASE B

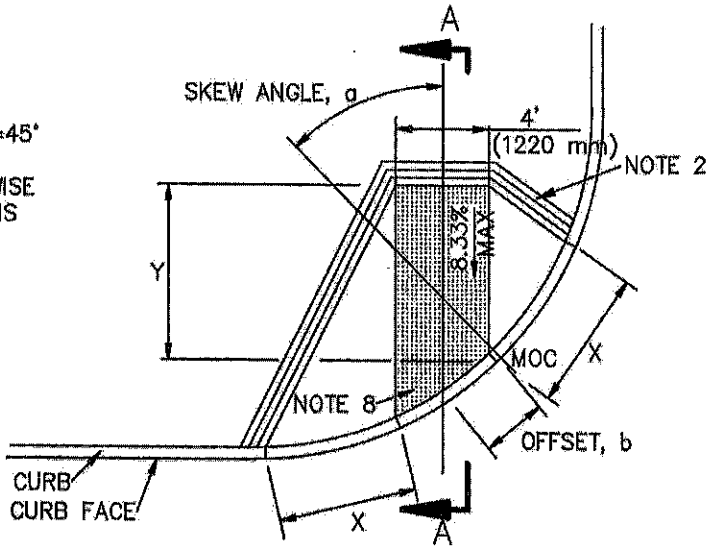
STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION	STANDARD PLAN
CURB RAMP	**111-5**
	SHEET 4 OF 10



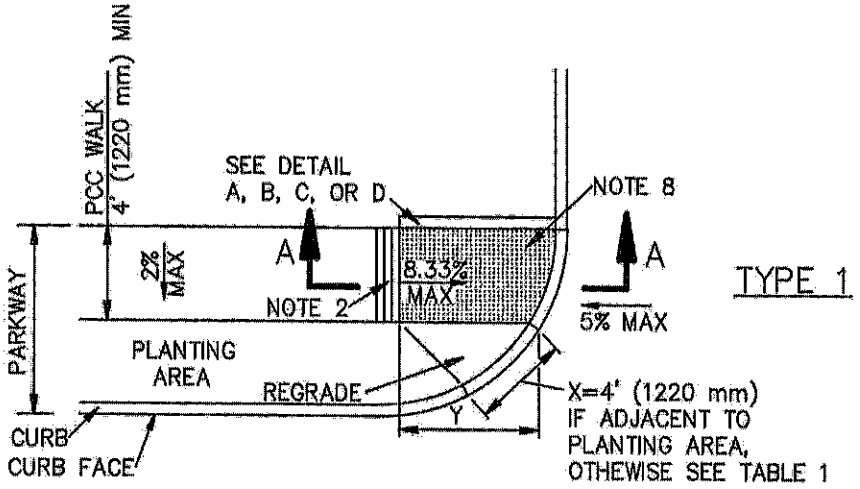


STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION	STANDARD PLAN 111–5
CURB RAMP	SHEET 6 OF 10

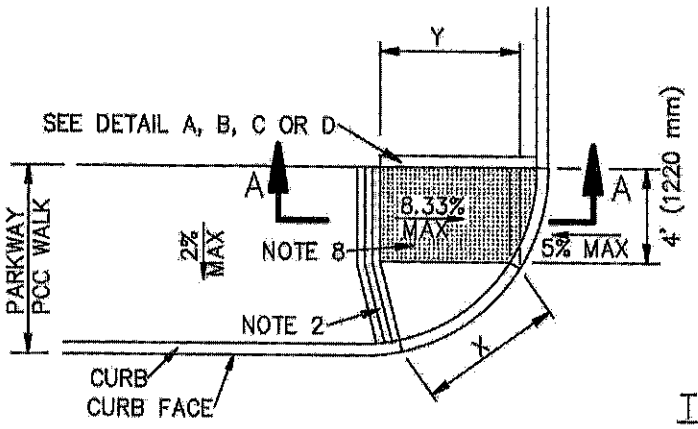
SKEW ANGLE α=45°
OFFSET b=0
UNLESS OTHERWISE
NOTED ON PLANS



CASE C



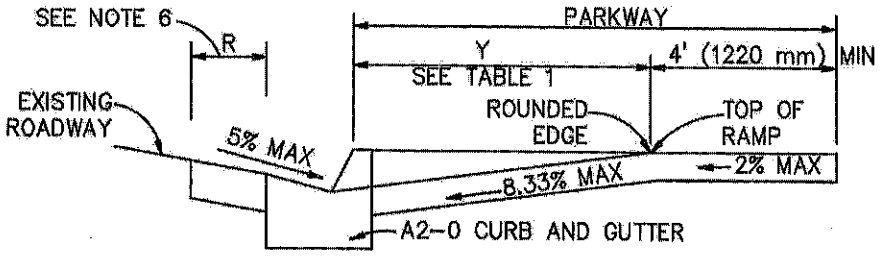
TYPE 1



TYPE 2

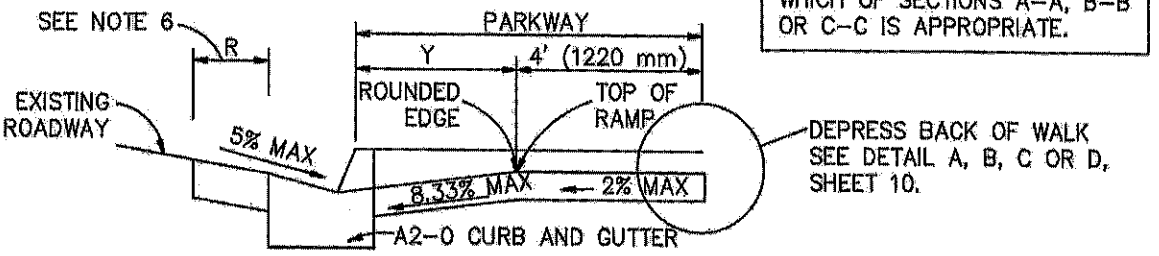
CASE D

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION	STANDARD PLAN
CURB RAMP	**111–5**
	SHEET 6 OF 10

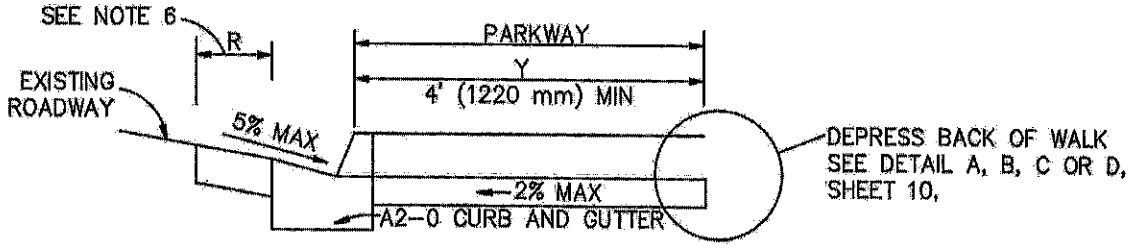


SECTION A-A

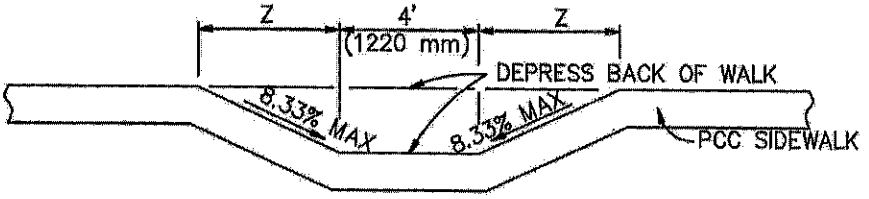
USE FIGURE 1 TO DETERMINE WHICH OF SECTIONS A-A, B-B OR C-C IS APPROPRIATE.



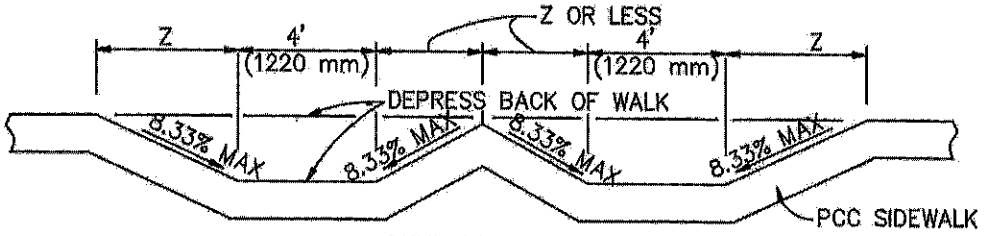
SECTION B-B



SECTION C-C



SECTION R-R



SECTION S-S

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION	STANDARD PLAN
CURB RAMP	**111-5**
	SHEET 7 OF 10

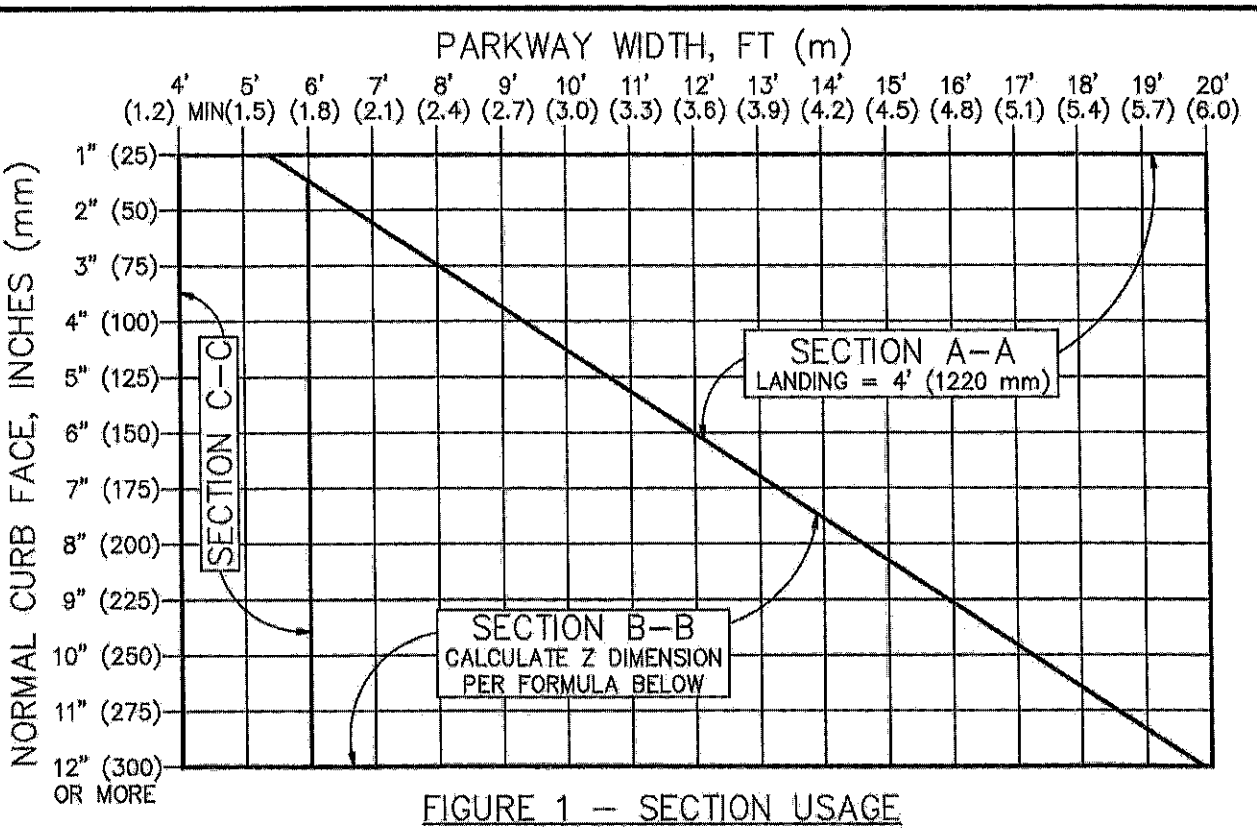


FIGURE 1 – SECTION USAGE

NORMAL CURB FACE, INCHES (mm)	X, FT (mm)	SECTION Y–Y Y, FT (mm)
2" (50)	4.00' (1220) MIN	2.63' (790)
3" (75)	4.00' (1220) MIN	3.95' (1185)
4" (100)	4.00' (1220) MIN	5.26' (1580)
5" (125)	4.17' (1275)	6.58' (1975)
6" (150)	5.00' (1525)	7.90' (2370)
7" (175)	5.83' (1775)	9.21' (2765)
8" (200)	6.67' (2035)	10.53' (3160)
9" (225)	7.50' (2285)	11.84' (3555)
10" (250)	8.33' (2540)	13.16' (3950)
11" (275)	9.17' (2795)	14.47' (4340)
12" (300)	10.00' (3050)	15.79' (4735)

SEE SHEET 9 FOR STREET SLOPE ADJUSTMENT FACTORS, ALL STREETS

TABLE 1 – X AND Y VALUES

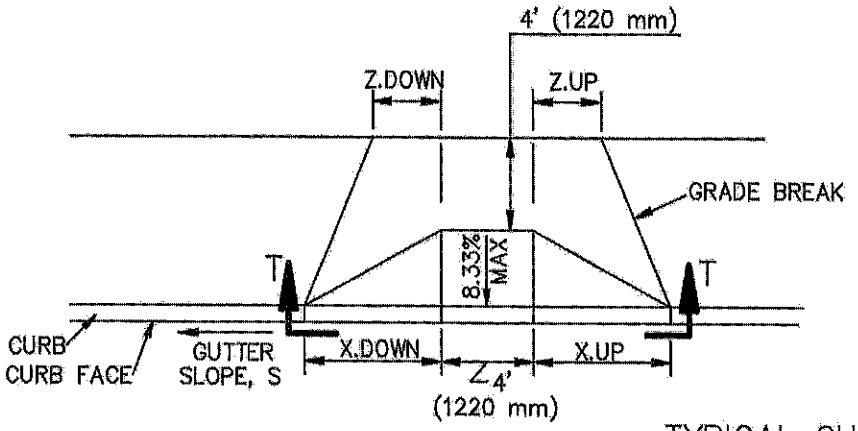
TABLE 1 REFERENCE FORMULAS:
X = CF / 8.333%
Y = CF / (8.333% – 2% WALK CROSS SLOPE)

WHERE FIGURE 1 SHOWS USE OF SECTION B–B, FIGURE Z DIMENSION AS FOLLOWS:

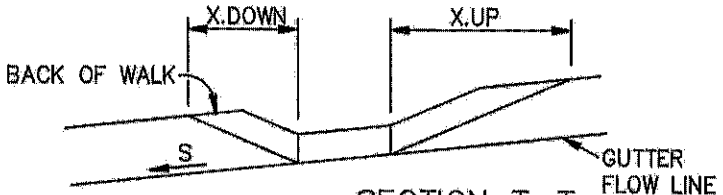
W = PARKWAY WIDTH
L = LANDING WIDTH, 4' (1220 mm) TYP
Z = [(Y+L)–W] x 0.760

IF (Y+L) < W, THEN Z = 0

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION	STANDARD PLAN 111–5
CURB RAMP	SHEET 8 OF 10



TYPICAL CURB RAMP



SECTION T–T
SLOPED STREET

FOR SLOPED STREETS, MULTIPLY THE DIMENSIONS PARALLEL TO THE STREET, X AND Z, UPSTREAM AND DOWNSTREAM OF THE RAMP, BY THE FACTORS IN THE FOLLOWING TABLE.

FOR EXAMPLE, X.DOWN = X x K.DOWN

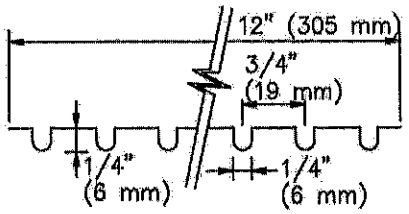
S	K.DOWN	K.UP
0%	1.000	1.000
0.2%	0.977	1.025
0.5%	0.943	1.064
1%	0.893	1.136
2%	0.806	1.316
3%	0.735	1.563
4%	0.676	1.923
5%	0.625	2.500

TABLE 2 – SLOPE ADJUSTMENTS

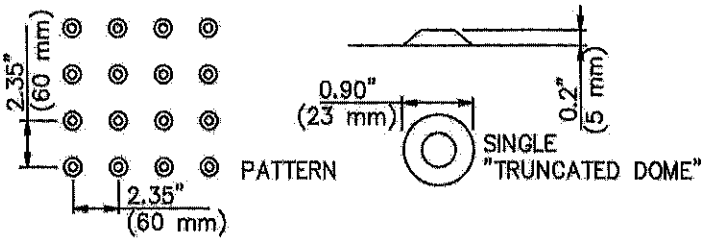
TABLE 2 REFERENCE FORMULAS:
K.DOWN = 8.333% / (8.333% + S)
K.UP = 8.333% / (8.333% – S)

STREET SLOPE ADJUSTMENTS

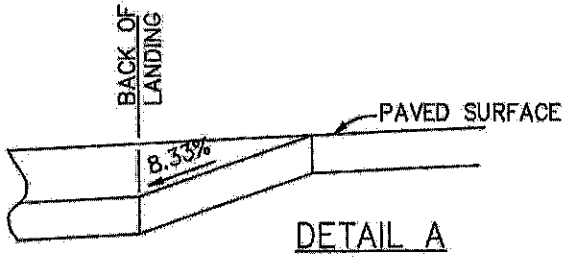
STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION	STANDARD PLAN
CURB RAMP	111–5
	SHEET 9 OF 10



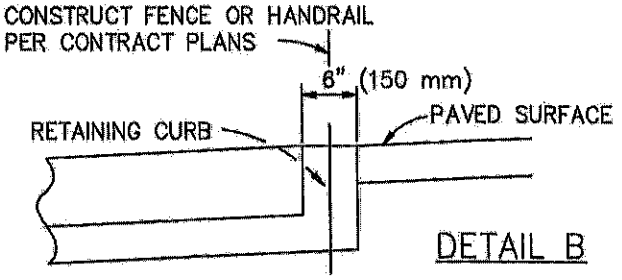
GROOVING DETAIL



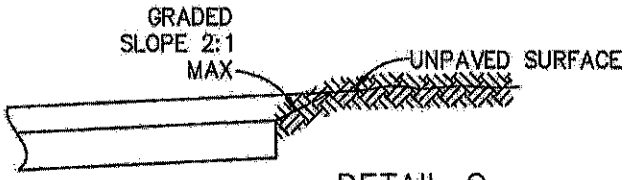
DETECTABLE WARNING DETAIL



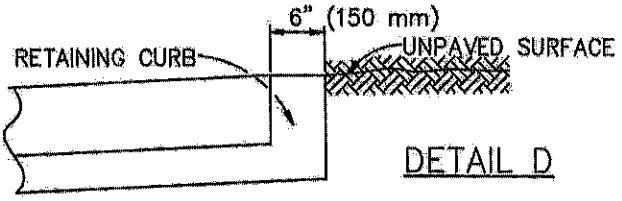
DETAIL A



DETAIL B



DETAIL C



DETAIL D

GENERAL NOTES:

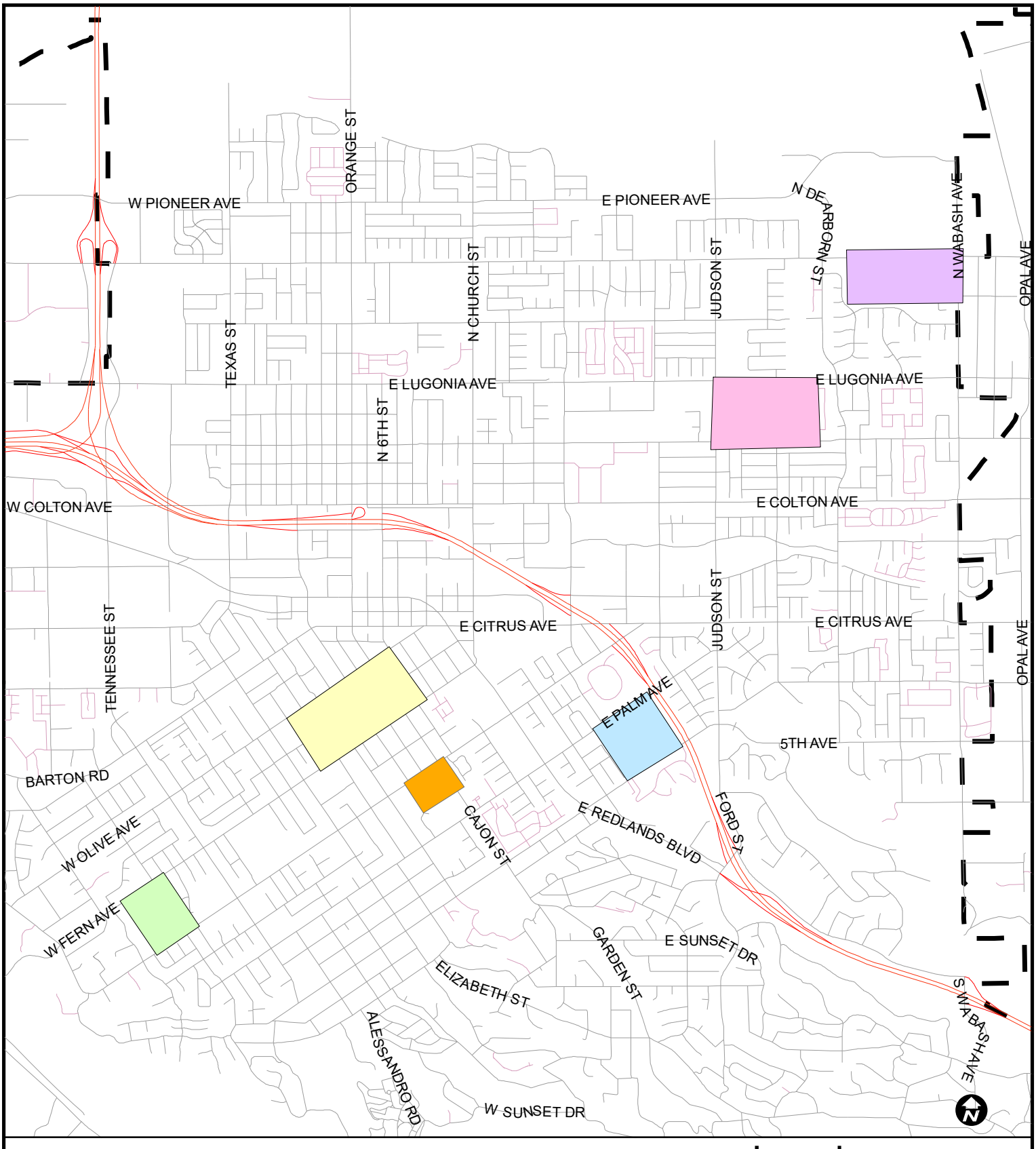
560-3250-C

1. CONCRETE SHALL BE CLASS ~~520-C-2500 (310-C-17)~~ CONFORMING TO SSPWC 201-1.1.2 AND SHALL BE 4" (100 mm) THICK.
2. THE RAMP SHALL HAVE A 12" (305 mm) WIDE BORDER WITH 1/4" (6 mm) GROOVES APPROXIMATELY 3/4" (19 mm) OC. SEE GROOVING DETAIL.
3. THE RAMP SURFACE SHALL HAVE A TRANSVERSE BROOMED SURFACE TEXTURE CONFORMING TO SSPWC 303-1.9.
4. USE DETAIL "A" OR "B" IF EXISTING SURFACE BEHIND LANDING IS PAVED.
5. USE DETAIL "C" OR "D" IF EXISTING SURFACE BEHIND LANDING IS UNPAVED.
6. R = 3' (900 mm) UNLESS OTHERWISE SHOWN ON PLAN. SEE SHEET 7.
7. ANGLE = $\Delta/2$ UNLESS OTHERWISE SHOWN ON PLAN.
8. CONSTRUCT DETECTABLE WARNING SURFACE PER DETAIL THIS SHEET. MATERIALS SHALL BE PER CONTRACT DOCUMENTS.

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION	STANDARD PLAN
CURB RAMP	**111-5**
	SHEET 10 OF 10

APPENDIX D
WORK AREA MAPS AND QUANTITIES

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W PIONEER AVE
ORANGE ST
E PIONEER AVE
N DEARBORN ST
N WABASH AVE
OPAL AVE
JUDSON ST
N CHURCH ST
TEXAS ST
E LUGONIA AVE
N 6TH ST
W COLTON AVE
E COLTON AVE
TENNESSEE ST
E CITRUS AVE
E PALM AVE
5TH AVE
BARTON RD
W OLIVE AVE
CAJON ST
E REDLANDS BLVD
FORD ST
W FERN AVE
GARDEN ST
E SUNSET DR
ELIZABETH ST
ALESSANDRO RD
W SUNSET DR
S WABASH AVE
0
970
1,940
2,910
3,880
Feet
2023 Citywide Sidewalk and ADA Ramp Repair Project Location Map
Legend:
Area A
Area B
Area C
Area D
Area E
Area F

ADA Ramps

No.	Map Area	Street Intersection/ Address	Corner or Side	Ramp Type	Remove and Replace	Notes
1	A	Grant St & Clark St	NW	A/C	X	
2	A	Eureka St & Clark St	NW	A/C	X	
3	A	Cajon St & Clark St	NE	A/C	X	
4	A	Nordina St & Clark St	NW	A/C	X	
5	A	Nordina St & Fern Ave	NW	A/C	X	
6	A	Nordina St & Fern Ave	NE	A/C	X	
7	A	Nordina St & Olive Ave	SE	A/C	X	
8	A	Nordina St & Olive Ave	SW	A/C	X	
9	B	Evergreen Ct & Cimarron Dr	SW	A/C	X	
10	B	Cimarron Dr & Cimarron Ct	SW	A/C	X	
11	B	Cimarron Dr & Cimarron Ct	SE	A/C	X	
12	B	Lytle St & Evergreen Ct	SW	A/C	X	
13	B	Lytle St & Evergreen Ct	SE	A/C	X	
14	B	Lytle St & Evergreen Ct	NE	A/C	X	
15	B	Everron Ct & Evergreen Ct	NE	A/C	X	
16	B	Everron Ct & Evergreen Ct	SE	A/C	X	
17	C	Lakeside Ave & Fern Ave	SW	A/C	X	
18	C	Lakeside Ave & Fern Ave	SE	A/C	X	
19	C	Cypress Ave & Lakeside Ave	NW	A/C	X	
20	C	Cypress Ave & Lakeside Ave	NE	A/C	X	
21	C	Iris St & Lakeside Ave	NW	A/C	X	
22	C	Iris St & Lakeside Ave	SW	A/C	X	
23	C	Iris St & Sespe Ct	NW	A/C	X	
24	C	Iris St & Sespe Ct	SW	A/C	X	
25	C	Candela St & Iris St	NE	A/C	X	
26	C	Candela St & Iris St	SE	A/C	X	
27	E	Granite St & Capri Ave	SW	A/C	X	
28	F	Judson St & Padua Ave	NE	A/C	X	
29	F	Judson St & Padua Ave	SE	A/C	X	
30	F	Padua Ave & Pedley St	SW	A/C	X	
31	F	Padua Ave & Pedley St	SE	A/C	X	
32	F	Pedley St & Raemee Ave	NE	A/C	X	
33	F	Pedley St & Raemee Ave	NW	A/C	X	
34	F	Aaron Dr & Raemee Ave	SW	A/C	X	
35	F	Aaron Dr & Raemee Ave	SE	A/C	X	
36	F	Placer St & Padua Ave	NE	A/C	X	
37	F	Placer St & Padua Ave	NW	A/C	X	
38	F	Prado St & Padua Ave	NE	A/C	X	
39	F	Prado St & Padua Ave	NW	A/C	X	
40	F	Lincoln St & Padua Ave	NW	A/C	X	
41	F	Lincoln St & Padua Ave	NE	A/C	X	
42	F	Lincoln St & Padua Ave	SW	A/C	X	
43	F	Lincoln St & Padua Ave	SE	A/C	X	
44	F	Raemee Ave & Lincoln St	NW	A/C	X	

ADA Ramps

45	F	Raemee Ave & Lincoln St	SW	A/C	X	
46	F	Anthony St & Padua Ave	NW	A/C	X	
47	F	Anthony St & Padua Ave	SW	A/C	X	

2023 CITYWIDE SIDEWALK AND ADA RAMP REPLACEMENT PROJECT
Area A Quantities

Street Adress		Cross Street (If Applicable)	Side of Street	Length (LF)	Width (LF)	Sidewalk Area (SF) 4" Thick	Sidewalk Area (SF) 6" Thick	**Driveway Area (SF)	Tree?	Notes
House Number	Street Name									
253	Michigan Street	Clark Street	N	125	5	625				Side Address; New 4" Sidewalk
514	Clark Street		N	15	6	90				
254	Grant Street	Clark Street	N	69	5	345				Side Address
254	Grant Street		W	45	5	225				
308	Grant Street		W	37	5	185				
308	Grant Street		W	13	5	0	65	130		6" SW, DW Approach
314	Grant Street		W	13	5	0	65	130		6" SW, DW Approach
314/316	Grant Street		W	48	5	240				
320	Grant Street		W	8	5	0	40	130		6" SW, DW Approach
322	Grant Street		W	0	0	0				DW Approach
322	Grant Street		W	15	5	75				
332	Grant Street		W	22	5	110				
332	Grant Street		W	14	5	0	70	130		6" SW, DW Approach
338/344	Grant Street		W	23	5	115				
302	Fern Avenue		W	11	5	0	55	130		Side Address; 6" SW, DW Approach
302	Fern Avenue		W	90	5	450				Side Address
228	Fern Avenue		E	42	5	210				
351	Grant Street		E	23	5	115				
351	Grant Street		E	11	5	0	55			6" SW
343	Grant Street		E	10	5	0	50	100		6" SW, DW Approach
337	Grant Street		E	23	5	115				
327	Grant Street		E	21	5	105				
323	Grant Street		E	23	5	115				
323	Grant Street		E	10	5	0	50	105		6" SW, DW Approach
319	Grant Street		E	9	5	45				
315/319	Grant Street		E	40	5	200				
307/315	Grant Street		E	26	5	130				
307	Grant Street		E	15	5	0	75	100		6" SW, DW Approach
301	Grant Street		E	5	5	25				
304	Grant Street		S	15	5	0	75	130		6" SW, DW Approach
212	Clark Street		N	0	0	0		100		DW Approach
256	Eureka Street	Clark Street	N	30	5	150				Side Address
256	Eureka Street		N	30	5	150				
303	4th Street	Clark Street	S	43	5	215				Side Address,
303	4th Street	Clark Street	S	20	5	0	100	130		Side Address, 6" SW, 6" DW Approach
312	Cajon Street	Clark Street	S	8	5	0	40			Side Address; 6" SW
312	Cajon Street	Clark Street	S	139	5	695				Side Address
312	Cajon Street		W	65	6	390				
251/261	Cajon Street		E	70	8	560				Protect in Place Outlet Drain
261	Cajon Street	Clark Street	N	72	5	360				Side Address
301	Cajon Street	Clark Street	S	141	6	846				Side Address
302	Nordina Street	Clark Street	S	119	6	714				Side Address
21	Clark Street		N	18	5	90				6" SW, DW Approach
260	Nordina Street	Clark Street	N	0	0	0				Side Address, DW Approach
260	Nordina Street	Clark Street	N	78	5	390				Side Address
260	Nordina Street		W	34	5	170				
302/314	Nordina Street		W	209	7	1463				Protect In Place Utility Box
318/322/326	Nordina Street		W	83	5	415				
330/25	Nordina Street/Fern Ave		W	67	5	335				
25	Fern Avenue		W	13	5	0	65			Side Address, 6" SW
25	Fern Avenue		W	33	5	165				Side Address
107	Fern Avenue		E	8	5	40				Side Address
333	Nordina Street		E	8	5	40				
331	Nordina Street		E	25	5	125				
325	Nordina Street		E	10	5	0	50	130		6" SW, DW Approach
325	Nordina Street		E	40	5	200				
317	Nordina Street		E	13	5	0	65	105		6" SW, DW Approach
317	Nordina Street		E	8	5	40				
315	Nordina Street		E	7	5	0	35			6" SW
315	Nordina Street		E	17	5	85				
309	Nordina Street		E	13	5	0	65			6" SW
309	Nordina Street		E	9	5	45				

2023 CITYWIDE SIDEWALK AND ADA RAMP REPLACEMENT PROJECT
Area A Quantities

Street Adress		Cross Street (If Applicable)	Side of Street	Length (LF)	Width (LF)	Sidewalk Area (SF) 4" Thick	Sidewalk Area (SF) 6" Thick	**Driveway Area (SF)	Tree?	Notes
House Number	Street Name									
305	Nordina Street		E	28	5	140				
305	Nordina Street		E	13	5	0	65			6" SW
303	Nordina Street		E	33	5	165				
259	Nordina Street		E	28	5	140				
253	Nordina Street		E	10	5	50				
247	Nordina Street		E	13	5	65				
247	Nordina Street		E	10	5	0	50			6" SW
243	Nordina Street		E	20	5	100				
243	Nordina Street		E	13	5	0	65	130		6" SW, DW Approach
239	Nordina Street		E	40	5	200				
239	Nordina Street		E	12	5	0	60			6" SW
235	Nordina Street		E	12	5	0	60			6" SW
235	Nordina Street		E	55	5	275				
104 - 229	Nordina Street		E	75	5	375				Side Address
20	W. Olive Avenue		S	22	6	132				
20	W. Olive Avenue		W	33	5	165				Side Address
220	Nordina Street		W	18	6	108				
240	Nordina Street		W	41	5	205				
240	Nordina Street		W	9	5	0	45	130		6" SW, DW Approach
					Total Qantities	13,323	1,365	1,810		

**Note: For driveway approach only - curb and gutter included in SF quantity

Area A

Legend:

- New 4" Thick Sidewalk
- Remove and Replace ADA Ramp
- Remove and Replace 6" Thick Driveway
- Remove and Replace 4" Thick Driveway
- Remove and Replace 6" Thick Driveway

PARKWOOD DR
GRANT ST
S 4TH ST
W OLIVE AVE
S BUENA VISTA ST
S EUREKA ST
S MICHIGAN ST
W CLARK ST
ALVARADO ST
W FERN AVE

Sheet 1 of 2

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N
W E
S

Scale
0 110 220
Feet

City of Redlands
Department of Innovation & Technology
Geographic Information Systems

City of REDLANDS "A City That Works"

December 15, 2023

OneStop.mxd

Area A

Legend:

- New 4" Thick Sidewalk
- Remove and Replace ADA Ramp
- Remove and Replace 6" Thick Driveway
- Remove and Replace 4" Thick Driveway
- Remove and Replace 6" Thick Driveway

Sheet 2 of 2

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N W E S

Scale
0 110 220
Feet

City of Redlands
Department of Innovation & Technology
Geographic Information Systems

City of REDLANDS "A City That Works"

December 15, 2023

OneStop.mxd

2023 CITYWIDE SIDEWALK AND ADA RAMP REPLACEMENT PROJECT
Area B Quantities

Street Adress		Cross Street (If Applicable)	Side of Street	Length (LF)	Width (LF)	Sidewalk Area (SF) 4" Thick	Sidewalk Area (SF) 6" Thick	**Driveway Area (SF)	Tree?	Notes
House Number	Street Name									
801	Birch Ct.	Palm Avenue	E	75	4	300				
805	Birch Ct.		E	69	4	276				
809	Birch Ct.		E	19	4	76				
809/813	Birch Ct.		E	13	4	52				
813	Birch Ct.		E	49	4	196				
817	Birch Ct.		SE	10	4	40				
821	Birch Ct.		S	0	0	0		149		
822	Birch Ct.		S	16	4	64				
822	Birch Ct.		S	20	4	0	80	149		6" SW
818/822	Birch Ct.		SW	12	4	48				
818	Birch Ct.		SW	17	4	0	68	149		6" SW
814	Birch Ct.		W	31	4	124				
810/814	Birch Ct.		W	17	4	68				
810	Birch Ct.		W	59	4	236				
802	Birch Ct.		W	79	4	316				
910	Palm Avenue	Cimarron Drive	W	43	4	172				
806	Cimarron Drive		W	67	4	268				
806/810	Cimarron Drive		W	14	4	56				
810	Cimarron Drive		W	42	4	168				
814	Cimarron Drive		W	72	4	288				
822	Cimarron Drive		W	62	4	248				
935	Evergreen Ct.	Cimarron Drive	W	96	4	384				
908	Cimarron Drive		W	51	4	204				
918	Cimarron Drive		W	34	4	136				
918/928	Cimarron Drive		S	19	4	76				
928	Cimarron Drive		S	0	0	0				1/2 Driveway
1024	Cimarron Drive		S	70	4	280				
1031/1041	Cimarron Drive		N	18	4	72				
1031	Cimarron Drive		N	32	4	128				
1021	Cimarron Drive		N	23	4	92				
1021	Cimarron Drive		NE	21	4	84				
1001/1011	Cimarron Drive		NE	22	4	88				
951	Cimarron Drive		N	17	4	0	68			6" SW
941/951	Cimarron Drive		N	30	4	120				
941	Cimarron Drive		NW	18	4	0	72			6" SW
931/941	Cimarron Drive		NW	10	4	40				
921/931	Cimarron Drive		NW	20	4	80				
921	Cimarron Drive		NW	30	4	120				Side Address
921	Cimarron Drive		N	63	4	252				
911	Cimarron Drive		N	16	4	0	64			
911/1024	Cimarron Dr/Evergreen Ct		N	130	4	520				
1024	Evergreen Ct.		E	53	4	212				
1024/1032	Evergreen Ct.		SE	81	4	324				
1032	Evergreen Ct.		SE	24	4	96				
1040	Evergreen Ct.		SE	29	4	116				
1040/1048	Evergreen Ct.		SE	34	4	136				
1056	Evergreen Ct.		E	16	4	64		140		DW Approach
1049/1057	Evergreen Ct.		NE	30	4	120				
1041	Evergreen Ct.		N	36	4	144				
1033	Evergreen Ct.		N	53	4	212				
1025/1033	Evergreen Ct.		N	8	4	32				
1025	Evergreen Ct.		N	32	4	128				
829	Cimarron Drive		NW	24	4	96				
825/829	Cimarron Drive		N	18	4	72				
825	Cimarron Drive		N	37	4	148				
821	Cimarron Drive		N	24	4	96				
821	Cimarron Drive		E	15	4	60				Side Address
1016	Dracena Ct.		E	30	4	120				
1024/1032	Dracena Ct.		SE	102	4	408				
1040	Dracena Ct.		SE	44	4	176				
1056/1057	Dracena Ct.		E	17	4	68				
1057	Dracena Ct.		E	20	4	80				
1049	Dracena Ct.		NE	18	4	72				
1041	Dracena Ct.		N	22	4	88				
1033	Dracena Ct.		N	42	4	168				

2023 CITYWIDE SIDEWALK AND ADA RAMP REPLACEMENT PROJECT
Area B Quantities

Street Adress		Cross Street (If Applicable)	Side of Street	Length (LF)	Width (LF)	Sidewalk Area (SF) 4" Thick	Sidewalk Area (SF) 6" Thick	**Driveway Area (SF)	Tree?	Notes
House Number	Street Name									
1025	Dracena Ct.		N	30	4	120				
1009/1017	Dracena Ct.		N	81	4	324				
811	Cimarron Dr.	Dracena Ct.	NE	61	4	244				Side Address
811	Cimarron Dr.		E	40	4	160				
807/811	Cimarron Dr.		E	19	4	76				
807	Cimarron Dr.		E	9	4	0	36			6" SW
1002	Palm Avenue		E	24	4	96				Side Address
800	Lytle Street		W	65	5	325				
804	Lytle Street		W	60	5	300				
808	Lytle Street		W	30	5	150				
808	Lytle Street		W	16	5	0	80			6" SW
808/812	Lytle Street		W	18	5	90				
812	Lytle Street		W	58	5	290		100		1/2 DW Approach
816	Lytle Street		W	19	5	95				
816/820	Lytle Street		W	19	5	95				
820/824	Lytle Street		W	118	5	590				
902	Lytle Street		W	29	5	145				
922	Lytle Street		W	24	5	120				
922/952	Lytle Street		W	34	5	170				
952/1002	Lytle Street		W	65	5	325				
1002/1022	Lytle Street		W	70	5	350				
1022	Lytle Street		W	17	5	0	85	100		6" SW, 1/2 DW Approach
815	Evergreen Ct.		N	55	4	220				
825	Evergreen Ct.		N	24	4	96				
835	Evergreen Ct.		N	25	4	100				
845	Evergreen Ct.		N	16	4	64				
905	Evergreen Ct.		N	13	4	52				
905/915	Evergreen Ct.		N	9	4	36				
915/925	Evergreen Ct.		N	16	4	64				
935	Evergreen Ct.		N	14	4	56				
901	Lytle Street	Evergreen Ct.	N	100	4	400				Side Address
904	Everron Ct.	Evergreen Ct.	N	31	4	124				Side Address
904	Everron Ct.		W	22	5	110				
924	Everron Ct.		W	34	5	170				
1054	Everron Ct.		W	35	6	210				
1001/1021	Everron Ct.		E	42	5	210				
1001	Everron Ct.		E	32	5	160				
955/1001	Everron Ct.		E	31	5	155				
925/955	Everron Ct.		E	53	5	265				
905/925	Everron Ct.		E	20	5	100				
905	Everron Ct.		E	16	5	0	80	170		6" SW, DW
905	Everron Ct.		E	33	5	165				
905/920	Everron Ct./Evergreen Ct.		S	105	4	420				Side Address; Protect Parkway in Place
930	Evergreen Ct.		S	61	4	244				
908	Cimarron Dr		S	30	4	120				Side Address
928	Cimarron Dr		W	61	4	244				Side Address
928/1022	Cimarron Dr/Cimarron Ct.		W	23	4	92				
1022	Cimarron Ct.		W	32	4	128				
1018/1022	Cimarron Ct.		W	21	4	84				
1014	Cimarron Ct.		W	16	4	0	64			6" SW
1010/1014	Cimarron Ct.		W	37	4	148				
1010	Cimarron Ct.		W	53	4	212				
1003	Cimarron Ct.		S	0	0	0		100		1/2 Driveway Approach
1007	Cimarron Ct.		E	38	6	228				Side Address
1007	Cimarron Ct.		E	49	4	196				Side Address
1007	Cimarron Ct.		E	73	4	292				
1023	Cimarron Ct.		E	32	4	128				
					Total Qantities	18,266	697	1,057		

**Note: For driveway approach only - curb and gutter included in SF quantity

Area B

Legend:

- New 4" Thick Sidewalk
- Remove and Replace ADA Ramp
- Remove and Replace 6" Thick Driveway
- Remove and Replace 4" Thick Driveway
- Remove and Replace 6" Thick Driveway

Sheet 1 of 1

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Scale
0 140 280
Feet

City of Redlands
Department of Innovation & Technology
Geographic Information Systems

City of REDLANDS "A City That Works"

December 15, 2023

OneStop.mxd

2023 CITYWIDE SIDEWALK AND ADA RAMP REPLACEMENT PROJECT
Area C Quantities

Street Adress		Cross Street (If Applicable)	Side of Street	Length (LF)	Width (LF)	Sidewalk Area (SF) 4" Thick	Sidewalk Area (SF) 6" Thick	**Driveway Area (SF)	Tree?	Notes
House Number	Street Name									
401	Lakeside Avenue		S	37	5	185				Side Address
401	Lakeside Avenue		E	30	5	150				
409	Lakeside Avenue		E	21	5	105				
413	Lakeside Avenue		E	50	5	250				
417	Lakeside Avenue		E	58	5	290				
1249	Friar Lane		E	62	5	310				Side Address
517	Lakeside Avenue		E	63	5	315				
525	Lakeside Avenue		E	0	0	0		120		1/2 DW Approach
525	Lakeside Avenue		E	43	5	215				
533	Lakeside Avenue		E	58	5	290				
1240	Cypress Avenue		E	24	5	120				Side Address
532	Lakeside Avenue		W	26	5	130				
516	Lakeside Avenue		W	18	5	90				
424	Lakeside Avenue		W	9	5	45				
416	Lakeside Avenue		W	69	5	345				
400	Lakeside Avenue		W	21	5	105				
400	Lakeside Avenue		W	16	5	0	80			6" SW
404	Lakeside Avenue		W	64	5	320				Side Address
404/414	Iris Street		N	21	4	84				
414	Iris Street		N	41	4	164				
422	Iris Street		N	46	4	184				
426/430	Iris Street		NW	65	4	260				
434	Iris Street		W	33	4	132				
438	Iris Street		W	32	4	128				
442	Iris Street		W	42	4	168				
442	Iris Street		W	12	4	0	48			6" SW
442/446	Iris Street		W	23	4	92				
446	Iris Street		W	29	4	116				
516	Iris Street		W	46	4	184				
522	Iris Street		N	8	7	56				
538	Iris Street		S	29	7	203				Side Address
538	Iris Street		W	7	12	84				
538	Iris Street		W	36	4	144				
538	Iris Street		W	73	6	438				
551	Iris Street		E	29	6	174				
543	Iris Street		E	36	4	144				
535/543	Iris Street		E	25	4	100				
527/535	Iris Street		E	81	4	324				
519	Iris Street		E	20	4	80				
519	Iris Street		S	15	4	60				Side Address
1326	Candela Street		N	13	4	52				
1330	Candela Street		N	21	4	84				
1330	Candela Street		E	47	4	188				Side Address
443	Iris Street		E	42	4	168				Side Address
437	Iris Street		E	107	4	428				
411	Iris Street		E	22	4	88				
					Total Qantities	7,592	128	120		

**Note: For driveway approach only - curb and gutter included in SF quantity

Area C

Legend:

- New 4" Thick Sidewalk
- Remove and Replace ADA Ramp
- Remove and Replace 6" Thick Driveway
- Remove and Replace 4" Thick Driveway
- Remove and Replace 6" Thick Driveway

Sheet 1 of 1

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Scale
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Feet

City of Redlands
Department of Innovation & Technology
Geographic Information Systems

City of Redlands "A City That Works"

December 15, 2023

OneStop.mxd

2023 CITYWIDE SIDEWALK AND ADA RAMP REPLACEMENT PROJECT

Area D Quantities

Street Adress		Cross Street (If Applicable)	Side of Street	Length (LF)	Width (LF)	Sidewalk Area (SF) 4" Thick	Sidewalk Area (SF) 6" Thick	**Driveway Area (SF)	Tree?	Notes
House Number	Street Name									
600	Cajon Street	Clifton Ct.	N	56	6	336				Side Address
600	Cajon Street		W	586	6	3516				
600	Cajon Street	Cypress Avenue	S	332	8	2656				Side Address
600	Cajon Street	Cypress Avenue	S	28	2	56				
105	Cypress Ave.		S	20	6	120				
111	Cypress Ave.		S	12	6	72				
111	Cypress Ave.		S	8	6	0	48			6" SW
117	Cypress Ave.		S	65	6	390				
607	Cajon Street		E	10	6	60				
607	Cajon Street		E	14	6	0	84	100		6" SW; DW Approach
617	Cajon Street		E	0	0	0		100		DW Approach
621	Cajon Street		E	0	0	0		100		DW Approach
627	Cajon Street		E	6	6	36				
627	Cajon Street		E	0	0	0		100		DW Approach
635	Cajon Street		E	19	6	114				
635	Cajon Street		E	0	0	0		100		DW Approach
645	Cajon Street		E	13	6	0	78	100		6" SW; DW Approach
651	Cajon Street		E	8	6	48				
651	Cajon Street		E	11	6	0	66	100		6" SW; DW Approach
657	Cajon Street		E	16	6	96				
657	Cajon Street		E	0	0	0		100		DW Approach
					Total Qantities	7,500	276	800		

**Note: For driveway approach only - curb and gutter included in SF quantity

Area D

Legend:

- New 4" Thick Sidewalk
- Remove and Replace ADA Ramp
- Remove and Replace 6" Thick Driveway
- Remove and Replace 4" Thick Driveway
- Remove and Replace 6" Thick Driveway

Sheet 1 of 1

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N W E S

Scale
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Feet

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Department of Innovation & Technology
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City of REDLANDS "A City That Works"

December 15, 2023

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2023 CITYWIDE SIDEWALK AND ADA RAMP REPLACEMENT PROJECT
Area E Quantities

Street Adress		Cross Street (If Applicable)	Side of Street	Length (LF)	Width (LF)	Sidewalk Area (SF) 4" Thick	Sidewalk Area (SF) 6" Thick	**Driveway Area (SF)	Tree?	Notes
House Number	Street Name									
	Granite Street	Capri Avenue								See Exhibit for Quantities
						13,700				
							180			
								300		
				Total Qantities		13,700	180	300		

**Note: For driveway approach only - curb and gutter included in SF quantity



A DRIVEWAY (TYP.)
1"=5'

B ADA CURB RAMP
1"=5'

SCALE
1"=50'

NORTH

LEGEND

CONCRETE DRIVE WAY

RIGHT OF WAY/PROPERTY LINE

Letter	Description	Date	Initial	Initial	Initial

Revisions

REGISTERED PROFESSIONAL ENGINEER
GOUTAM KUMAR DOBEY
NO. C75646
CIVIL
STATE OF CALIFORNIA

CITY OF REDLANDS
Municipal Utilities and Engineering Department

2023 CITYWIDE SIDEWALK AND ADA RAMP IMPROVEMENT PROJECT

PROJECT NO. 400025

CAPRI AVENUE AND GRANITE STREET

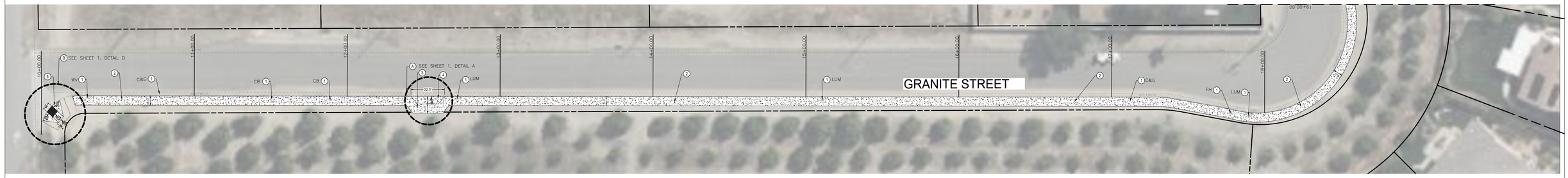
Designed by: EA
Date: 12/23
Checked by: GD
Date: 12/23
Drawn by: EA
Date: 12/23
Checked by: GD
Date: 12/23

Reviewed By:
12/11/2023
Gerard J. Nepomuceno, Civil Engineer, R.C.E. 93200
Approved By:
12/11/2023
Goutam K. Dobey, City Engineer, R.C.E. 75646

Sheet 1 of 2 Sheets
Scale: Horiz. AS SHOWN
Vert. AS SHOWN

K:\Capital Projects\211400 PARS RESURFACING\2023 Alley Paving Improvement Project\9 DESIGN\CAD\Site Layout_Alcover_Alcover.dwg

MATCHLINE STA 19+00
SEE BELOW



VIEW A
1"=30'

NORTH

MATCHLINE STA 19+00
SEE ABOVE

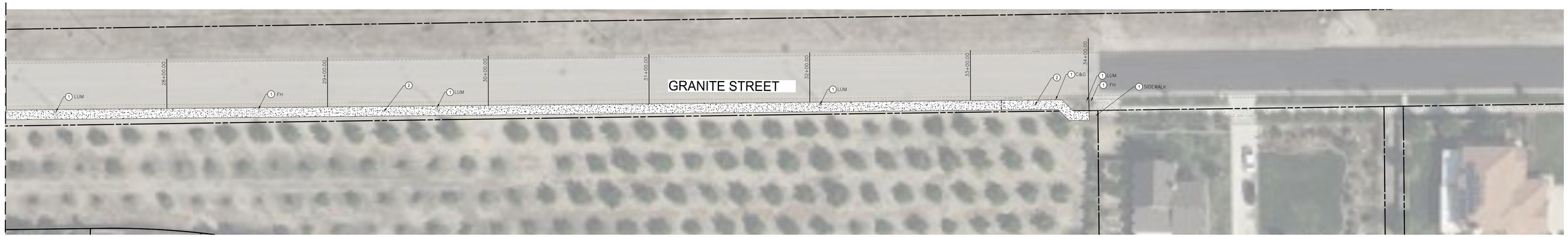


MATCHLINE STA 27+00
SEE BELOW

VIEW B
1"=30'

NORTH

MATCHLINE STA 27+00
SEE ABOVE



VIEW C
1"=30'

NORTH

CONSTRUCTION NOTES:

NO.	DESCRIPTION	QUANTITY
1	PROTECT ITEM IN PLACE	
2	CONSTRUCT NEW 4" THICK PCC SIDEWALK PER SPPWC STD. PLAN 112-2	13,700 SF
3	CONSTRUCT NEW 6" THICK PCC SIDEWALK PER SPPWC STD. PLAN 112-2	180 SF
4	CONSTRUCT NEW 6" THICK PCC DRIVEWAY APPROACH PER SPPWC STD. PLAN 110-2.	300 SF
5	REMOVE AND REPLACE ADA CURB RAMP PER SPPWC STD. PLAN 111-5, CASE B TYPE 2	1 EA

LEGEND

CONCRETE DRIVE WAY

RIGHT OF WAY/PROPERTY LINE

REGISTERED PROFESSIONAL ENGINEER
GOUTAM KUMAR DOBEY
NO. C75646
CIVIL
STATE OF CALIFORNIA

Letter	Description	Date	Initial	Initial	Initial

Revisions

CITY OF REDLANDS
Municipal Utilities and Engineering Department

2023 CITYWIDE SIDEWALK AND ADA RAMP IMPROVEMENT PROJECT

PROJECT NO. 400025

SECTION VIEW

Designed by: EA
Date: 12/23
Checked by: GD
Date: 12/23
Drawn by: EA
Date: 12/23
Checked by: GD
Date: 12/23

Reviewed By:
12/11/2023
Gerard J. Nepomuceno, Civil Engineer, R.C.E. 93200
Approved By:
12/11/2023
Goutam K. Dobey, City Engineer, R.C.E. 75646

Sheet 2 of 2 Sheets
Scale: Horiz. AS SHOWN
Vert. AS SHOWN

X:\Capital Projects\211400 PARIS RESURFACING\2023 Alley Paving Improvement Project\6 DESIGN\CAD\Site Layout_recover_recover.dwg

2023 CITYWIDE SIDEWALK AND ADA RAMP REPLACEMENT PROJECT
Area F Quantities

Street Adress		Cross Street (If Applicable)	Side of Street	Length (LF)	Width (LF)	Sidewalk Area (SF) 4" Thick	Sidewalk Area (SF) 6" Thick	**Driveway Area (SF)	Tree?	Notes
House Number	Street Name									
1400	Padua Ave		S	19	5	95				
1404	Padua Ave		S	31	5	155				
1152/1420	Pedley St/Padua Ave		S	22	5	110				
1420	Padua Ave		S	31	5	155				
1428/1432	Padua Ave		S	30	5	150				
1432/1436	Padua Ave		S	20	5	100				
1444	Padua Ave		S	40	5	200				
1448	Padua Ave		S	14	5	70				
1124	Lincoln St		S	30	5	150				Side Address
1124/1129	Lincoln St/Anthony St		S	19	5	95				Side Address
1129	Anthony St		S	25	5	125				
1125	Anthony St		S	71	5	355				
1113/1117	Anthony St		W	48	5	240				Side Address
1514/1519	Emilia Way/Brockton Ave		E	52	5	260				Side Address
1512/1513	Padua Ave/Emilia Way		E	43	5	215				Side Address
1205	Anthony St		N	21	5	105				Side Address
1202	Lincoln St		N	15	5	75				Side Address
1222	Lincoln St		E	5	5	25				
1226	Lincoln St		E	39	5	195				
1243	Lincoln St		W	22	5	110				
1239	Lincoln St		W	38	5	190				
1235	Lincoln St		N	49	4	196				Side Address
1466	Paiute Ave		S	35	4	140				
1469	Paloma Ave		W	23	5	115				Side Address
1468	Paloma Ave		W	30	5	150				Side Address
1465	Padua Ave		W	23	5	115				Side Address
1457	Padua Ave		N	20	5	100				
1214	Prado St		E	9	5	45				
1217	Prado St		N	15	5	75				Side Address
1216	Placer St		N	24	5	120				Side Address
1216	Placer St		E	40	5	200				
1220	Placer St		E	40	5	200				
1219/1223	Placer St		W	135	4	540				
1219	Placer St		N	18	5	90				Side Address
1421	Padua Ave		N	40	5	200				
1413/1417	Padua Ave		N	40	5	200				
1405/1409	Padua Ave		N	86	5	430				
1158/1405	Judson St/Padua Ave		N	32	5	160				
1104/1108	Lincoln St		E	16	5	80				
1112/1116	Lincoln St		E	21	5	105				
1116	Lincoln St		E	28	5	140				
1473	Raemee Ave		W	20	5	100				Side Address
1473	Raemee Ave		N	23	4	92				
1469/1473	Raemee Ave		N	12	4	48				
1469	Raemee Ave		N	9	4	0	36			6" SW
1469	Raemee Ave		N	48	4	192				
1465	Raemee Ave		N	7	4	28				
1457	Raemee Ave		N	20	4	80				
1441	Raemee Ave		N	43	4	172				
1421	Raemee Ave		N	32	5	160				
1421	Raemee Ave		N	0	0	0		120		DW Approach
1421	Raemee Ave		E	65	5	325				
1152	Pedley St		E	85	5	425				
1409	Raemee Ave		W	10	5	50				Side Address
1409	Raemee Ave		N	20	5	100				
1401/1405	Raemee Ave		N	38	5	190				
1401	Raemee Ave		N	30	5	150				
1410/1414	Raemee Ave		S	47	5	235				
1418	Raemee Ave		S	13	4	52				

2023 CITYWIDE SIDEWALK AND ADA RAMP REPLACEMENT PROJECT
Area F Quantities

Street Adress		Cross Street (If Applicable)	Side of Street	Length (LF)	Width (LF)	Sidewalk Area (SF) 4" Thick	Sidewalk Area (SF) 6" Thick	**Driveway Area (SF)	Tree?	Notes
House Number	Street Name									
1426	Raemee Ave	Aaron Dr	W	60	4	240				Side Address
1427	Brockton Ave	Aaron Dr	W	41	4	164				Side Address
1435	Brockton Ave	Aaron Dr	E	23	4	92				Side Address
1434	Raemee Ave	Aaron Dr	E	33	4	132				Side Address
1450	Raemee Ave		S	44	4	176		120		DW Approach
1454	Raemee Ave		S	41	4	164				
1454/1458	Raemee Ave		S	50	4	200				
1458/1462	Raemee Ave		S	35	4	140				
1466	Raemee Ave		S	29	4	116				
1470	Raemee Ave		S	5	4	20				
					Total Qantities	10,419	36	240		

**Note: For driveway approach only - curb and gutter included in SF quantity

Area F

Legend:

- New 4" Thick Sidewalk
- Remove and Replace ADA Ramp
- Remove and Replace 6" Thick Driveway
- Remove and Replace 4" Thick Driveway
- Remove and Replace 6" Thick Driveway

E LUGONIA AVE

PUEBLO AVE

PECOS ST

PLACER ST

PRADO ST

N LINCOLN ST

PAIUTE AVE

PALOMA AVE

PADUA AVE

ANTHONY ST

JUDSON ST

PEDLEY ST

RAEMEE AVE

EMILIA WAY

AARON DR

E BROCKTON AVE

RENEE ST

Sheet 1 of 1

This map was produced by the City of Redlands, Geographic Information System.
The City of Redlands assumes no warranty or legal responsibility for the information contained on this map.
The data used to generate this map is dynamic in nature, therefore the information shown may or may not be the most current.

N W E S

Scale
0 120 240
Feet

City of Redlands
Department of Innovation & Technology
Geographic Information Systems

City of REDLANDS "A City That Works"

December 15, 2023

OneStop.mxd

APPENDIX E
CITY OF REDLANDS PERMITS

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Application for Road / Encroachment Permit

City of Redlands - Municipal Utilities & Engineering Department

Name: _____ Phone: _____

Address: _____ City: _____ Zip: _____

Contractor: _____ USA ID No.: _____

Contractor License No.: _____ Type: _____ Cal OSHA No.: _____

I hereby request permission to construct/install improvements/facilities within the City of Redlands road right-of-way at the following location:

Construction Start Date: _____ Anticipated Completion Date: _____

Development No.: _____ Plan No.: _____

Street Name: _____

Cross Streets: _____

Address: _____

and for the purpose of performing the following work:

_____

_____

Applicant/Agent Signature: _____ Date: _____

In accordance with Plans approved by the Municipal Utilities & Engineering Director and/or the Standard Specifications and Detail Drawings of the City of Redlands for the **quantity and type** of improvements listed below:

SHADED AREA FOR OFFICIAL USE ONLY

_____	EA	Driveway Appr, Res/Comm	$ 49.00	/ EA	=$	
_____	SF	Sidewalk	$ 0.09	/ SF	=$	
_____	SF	Cross Gutter/Spandrel	$ 0.58	/ SF	=$	
_____	LF	Curb & Gutter	$ 2.19	/ LF	=$	
_____	LF	Curb/Berm	$ 2.62	/ LF	=$	
_____	SF	Asphalt Pavement	$ 0.04	/ SF	=$	
_____	SF	Crushed Aggregate Base	$ 0.04	/ SF	=$	
_____	EA	Street Light	$ 81.00	/ EA	=$	
_____	EA	Traffic Signal - New	$ 2,152.00	/ EA	=$	
_____	EA	Traffic Signal - Modification	$ 1,737.00	/ EA	=$	
_____	CY	Reinforced Concrete	$ 89.00	/ CY	=$	
_____	LF	Storm Drain Pipe	$ 8.00	/ LF	=$	
_____	EA	Curb Inlet/Outlet Structures	$ 67.00	/ EA	=$	
_____	EA	Storm Drain Manhole/Junction Box	$ 67.00	/ EA	=$	
_____	EA	Curb Core	$ 62.00	/ EA	=$	
_____	LF	Sewer Main	$ 0.95	/ LF	=$	
_____	EA	Sewer Manhole	$ 67.00	/ EA	=$	
_____	EA	Sewer Cleanout	$ 134.00	/ EA	=$	
_____	EA	Sewer Lateral	$ 67.00	/ EA	=$	
_____	LF	Water Main - Potable	$ 1.09	/ LF	=$	
_____	LF	Water Main - Non-Potable	$ 1.09	/ LF	=$	
_____	EA	Fire Hydrant Assembly	$ 66.00	/ EA	=$	
_____	EA	Water Service Lateral	$ 26.00	/ EA	=$	
_____	EA	Water Shutdown	$ 67.00	/ EA	=$	
_____	EA	Fire Service	$ 58.00	/ EA	=$	
_____	LF	Excavation/Utility Trench	$ 1.25	/ LF	=$	
_____	SF	Street Patch	$ 0.67	/ SF	=$	
_____	SF	Warranty Fee (Street Cut)	$	/ SF	=$	
_____		_____	$	/	=$	
_____		_____	$	/	=$	

SUBTOTAL PERMIT FEE $ _____

PERMIT FEE work complete within specified date from issuance = $ 219.00 fee. **$219.00**

PENALTY FEE 25% of total permit fee if issued after commencement of work $ _____

($250.00 minimum fee)

(Effective 06/02/09) **TOTAL ENCROACHMENT PERMIT FEE** $ _____

Redlands Regular Meeting of 02-20-24

Truck Route Permit Required: ☐ YES ☐ NO

Closure Permit With Traffic Plan Required: ☐ YES ☐ NO

Water Shutdown Required: ☐ YES ☐ NO

Bond Required: ☐ YES ☐ NO

Conduit Material: _____

Conduit Size: _____

Calculated By

Inspected by

Municipal Utilities & Engineering

Approved By

APPENDIX F
SAFETY DOCUMENTS

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THE CITY OF REDLANDS

CONTRACTOR SAFETY PROGRAM

Rev. June 15, 2021

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CONTRACTOR SAFETY PROGRAM

I. Policy

The purpose of this Contractor Safety Program ("CSP") is to ensure, as best as reasonably possible, the protection and safety of all persons and property during construction activities undertaken by private contractors on behalf of the City of Redlands ("City"). The City has a comprehensive and structured approach in outsourcing services performed on City facilities by third-party persons and entities ("Contractor(s)"). The first phase of this comprehensive approach includes actively screening Contractors based on safety records, safety performance, and safety compliance. After the qualified Contractor is awarded a contract, the Contractor must then ensure compliance with all local, state, federal and Cal/OSHA regulations applicable to the contracted scope of work, and requirements set forth within this CSP. The Contractor, its agents, and personnel must adhere to the policies and procedures set forth by this CSP and all applicable laws and regulations.

II. Authority

California Code of Regulations, Title 8, Section 336.10 "Determination of Citable Employer"
California Code of Regulations, Title 8
"Greenbook" Standard Specifications for Public Works Construction
Redlands Municipal Code
California Building Code

III. Scope

This CSP applies to all Contractors who provide or render construction or improvement services for City-owned property and facilities.
The Contractor services covered under this CSP include, but are not limited to, the following:

A. New construction;
B. Remodeling;
C. Facility maintenance or repair;
D. Equipment installation or maintenance; and
E. Services (i.e. janitorial, fleet operations, landscaping, etc.)

Consultants/ Professional service providers are exempt from having to submit a Safety Prequalification Questionnaire ("SPQ"), prior to the beginning of work, but they are expected to be compliant with industry best practices with regards to maintaining a safe work environment for their employees and others.

IV. Definitions

A. **Contract –** any written agreement between the City of Redlands and a Contractor, to perform a specified scope of work on City facilities. With respect to this policy, a contract includes, but is not limited to: awarded purchase orders, bids, and/ or project contracts.
B. **Construction Work –** construction, alteration, and/or repair, including painting and decorating.
C. **Contractor –** a person or entity (including all personnel) awarded a contract to perform work on City property or facilities.
D. **D.A.R.T Rate –** Injuries and illnesses severe enough to warrant: Days Away, Restrictions and Transfers. The DART rate is calculated using the following formula: Number of OSHA Recordable injuries and illnesses that resulted in Days Away x 200,000/divided by total hours worked by all employees during the year covered.

E. **Designated Work Area –** an area where it is necessary to restrict or limit entry or access of nonessential personnel or the public. Examples include work areas involving remediation abatement, demolition, excavation, and overhead lifting.
F. **Facilities –** any building or property owned by the City of Redlands.
G. **Hazard –** source or situation with a potential for harm in terms of injury or health, damage to property, damage to workplace environment, or a combination of these.
H. **Job Hazard Analysis ("JHA") –** a technique that focuses on job tasks as a way to identify hazards before they occur. It focuses on the relationship between the worker, the task, the tools, and the work environment. The objective is to eliminate the risk or to utilize control measures to reduce the risk.
I. **North American Industry Classification System ("NAICS") –** is the standard used by Federal statistical agencies in classifying business establishments for the purpose of collecting, analyzing, and publishing statistical data related to the U.S. business economy.
J. **Non-compliance –** any deviation from standards, practices, processes, procedures, regulations etc. that could either directly or indirectly lead to injury or illness, property damage, damage to the workplace environment, or any combination of these criteria.
K. **Notice of non-compliance –** form provided to the Contractor by the City alerting the contractor of non-compliance with City specifications, Cal/OSHA regulations, or any other generally accepted safe work practice.
L. **Non-compliant hazardous work condition –** any hazard that is considered to be non-compliant with State or Federal safety and health regulations, City specifications, or any inconsistency with generally accepted work practices.
M. **Personnel –** all Contractor employees, contractors, sub-contractors and agents provided access to City property or facilities.
N. **Recordable Incident** – any injury or illness resulting in death, days away from work, restricted work or transfer to another job, medical treatment beyond first aid, or loss of consciousness per OSHA Section 1904.7(a).
O. **Safety Tailgate –** informal safety meeting generally conducted at the job site prior to the commencement of a job or work shift.
P. **Services –** any and all, labor, duties, functions and activities required to be performed by the Contractor under the contract and any subsequent addenda.

V. Responsibilities

RISK MANAGEMENT

A. Update, maintain, and administer this CSP;
B. Maintain centralized records of training, site visit data, written programs, tailgate meetings, permits, and all other necessary contractor related documentation;
C. Provide technical assistance to Engineering personnel;
D. Attend Pre-construction meetings and progress meetings as needed;
E. Provide assistance on safety inspections as needed;
F. Review safety submittals;
G. Provide guidance on pre-qualification determination; and
H. Provide training to affected city personnel with responsibilities under this program.

PROJECT MANAGER (CITY)

The Project Manager has the authority to delegate any or all portions of this CSP to subordinates, but the Project Manager will be held accountable for their compliance. The Project Manager shall contact Risk Management, as necessary, for assistance in relation to this CSP.

A. Ensure safety hazards are addressed in a timely manner;
B. Communicate safety concerns during pre-construction meetings and progress meetings;
C. Inform impacted employees of construction activities scheduled in their work area;
D. Enforce pre-qualification procedures in bidding process; and
E. Ensure this CSP is properly executed.

INSPECTOR (CITY)

The City of Redlands construction inspector is not a safety professional and will only provide "Notice of Non-Compliance" for obvious and serious non-compliant conditions.

A. To the best of their abilities, inspect work sites for safety hazards;
B. Communicate safety concerns to Contractor;
C. Provide Contractor with "Notice of Non-Compliance" when serious conditions occur or repeat violations;
D. Collect documentation needed for construction worksites;
E. Submit documentation to Risk Management for recordkeeping;
F. Maintain photo documentation of safety hazards;
G. Never enter situations that can harm or endanger himself/ herself;
H. Never use personal protective equipment (PPE) or enter situations, which they are not trained for;
I. Contact Emergency Medical Services (911) and Risk Management in case of emergency; and
J. Attend and communicate safety concerns in progress meetings.

EMPLOYEES (CITY)

A. Immediately notify the Project Manager, inspector, or Risk Management of any safety related concerns at a Contractor job site; and
B. Contact Emergency Medical Services (911) and Risk Management in case of emergency.

CONTRACTOR

Where relevant and applicable, the Contractor's responsibilities shall include:

A. Compliance with requirements and responsibilities detailed within the Contractor Safety Program;
B. Ensure all local regulatory requirements are met and all necessary permits are obtained before conducting work on behalf of the City;
C. Designate a Project Safety Official by name who shall be available at all times to abate safety hazards;
D. Ensure all personnel have the appropriate qualifications and training to perform the contracted work (Copies of current training documentation and certifications must be on file with the City);
E. Inform City Project Manager or inspector of any job site safety hazards or concerns;
F. Inform City Project Manager if any suspected asbestos-containing material is located;
G. Conduct and submit Job Hazard Analysis (JHA) before work and as required by change of tasks;
H. Conduct and submit Safety Tailgates on a bi-weekly basis;
I. Provide all required PPE necessary to conduct work safely and in accordance with required local regulations;
J. The safety of all individuals who enter work site;
K. Spill cleanup;
L. Immediately report any incidents, accidents, near misses, unsafe conditions, or unsafe acts involving any jobsite personnel;

M. Arrange for the proper storage and removal of waste generated prior to the completion of job, and provide confirmation that the materials have been removed or disposed of in a manner compliant with all applicable environmental regulations;
N. Removing all equipment used during work activities and ensuring proper housekeeping of designated work area at the end of each workday and upon completion of the job;
O. Contact Emergency Services (911) and Project Manager in the event of an emergency; and
P. For the actions of their subcontractors, as they may pertain to this CSP, including their adherence to its contents and review of this document.

PROJECT SAFETY OFFICIAL (CONTRACTOR)

A. Shall be at the work site at all times;
B. Must be thoroughly familiar with the Contractor's Injury and Illness Prevention Program (IIPP) and Code of Safe Practices;
C. Shall be available at all times to abate any potential safety hazards; and
D. Shall have the authority and responsibility to shut down an unsafe operation, if necessary.

VI. Program

SAFETY PREQUALIFICATION PROCESS

A. The safety prequalification process is intended to:
   - Provide the City with knowledge of past and current safety performance of Contractors working on City construction projects;
   - Improve Contractor compliance with City safety rules, including safe work practices required by applicable regulations and laws; and
   - Improve safety during Contractor activities.
B. A copy of the SPQ shall be provided to each person or entity bidding on a project, as part of the bidding process.
C. The completed questionnaire shall be returned and reviewed prior to awarding contract work, with supporting information provided as indicated by responses on questionnaire.
D. The SPQ shall be submitted to: 35 Cajon St., Suite 4
   Redlands Ca, 92373
   Attention: Project Name-Contractor Name-SPQ
E. The following criteria and information relating to the Contractor will be reviewed prior to awarding contract:
   - Contractor License;
   - Incident Rates;
   - OSHA Citations;
   - Safety Policies;
   - Safety Programs and Procedures;
   - Compliance History on City Projects; and
   - Certification Statement.
F. Contractor must qualify in each section to be approved for award of a contract.
G. If a Contractor fails to pass prequalification procedure, the City has the right to disqualify the Contractor's proposal.

H. All costs associated with compliance with City of Redlands prequalification requirements shall be at the sole expense of the Contractor.

I. If a Contractor provides information that is later determined to be false, or improperly withholds information, the Contractor will be immediately disqualified.

J. Any questions or information relating to filing this questionnaire may be answered by reaching:
   - Engineering: (909) 798-7698; or
   - Risk Management: (909) 798-7514

DISQUALIFICATION APPEAL PROCESS

This provision is established pursuant to Public Contract Code section 20101(d) which requires every public agency that requires prospective bidders to prequalify pursuant to the law to establish "a process that will allow prospective bidders to dispute their proposed prequalification rating prior to selection of an alternate bidder." If the City intends to disqualify a bidder based upon the bidder's safety record, the City will notify the bidder in writing and provide the bidder with any supporting evidence that has been received from others or adduced as a result of an investigation by the City. The notice of intention shall be sent by certified mail with return receipt requested or by overnight mail via a delivery service that provides online tracking which identifies the date of the prospective bidder's receipt of the notice, and shall include notice that the bidder has the right to, and may request a hearing to rebut any evidence used as a basis for disqualification and to present evidence to the City as to why the prospective bidder should be found qualified. Requests for a hearing must be made by written request to the City within ten calendar days of the date of the prospective bidder's receipt of the City's notice of intention. If the bidder does not request a hearing within the time allowed, the City's determination shall stand unchallenged and become final.

Within seven calendar days of receiving the bidder's request for a hearing, the City shall notify the bidder in writing of the date, time and place of the hearing. The hearing shall be held no sooner than ten (10) calendar days and no later than fifteen (15) calendar days after the notice is given. The notice shall inform the bidder of its right to present testimony and documents in support of its position.

The hearing shall be conducted before the Redlands City Manager, which may be continued from time to time as reasonably determined by the City Manager, but shall not exceed forty five (45) days. At the conclusion of the hearing, and after considering all testimony and documentation presented, the City Manager shall issue a written decision no later than five calendar days following the hearing. The City Manager's decision shall be final and is not subject to further appeal to the City.

The bidder shall not be entitled to bid on any contracts with the City until it has met the safety pre-qualification standards. If the City Manager approves an appeal, the contractor will have been deemed to meet the qualification standards and it will be valid for one year. The bidder shall have the right to withdraw its application for prequalification or its appeal at any time before the City Manager's decision becomes final. Such withdrawal will not preclude the bidder from re-applying for prequalification.

CONSTRUCTION PROJECTS

A. After a contract is awarded, the Contractor shall maintain, throughout the duration of the project, safety measures as necessary to protect the public and workers within, or in the vicinity of, the designated work zone. This includes an evaluation of the work to be performed and the hazards likely to be encountered. Contractors are expected to follow, at a minimum, all pertinent laws, rules and regulations for the location in which they will be working. Where applicable, Contractor Safety Programs will meet or exceed City programs/ procedures and are subject to review and approval by the City prior to contract execution.

B. Job Hazard Analysis ("JHA")
    1. Prior to a notice to proceed a JHA must be completed utilizing the City's form, or equivalent, to assess the hazards present in the designated work area. Any information requested on the City's form, but not stated on the equivalent form utilized, shall be provided separately with the original submission.
    2. All members of the construction unit must sign the JHA to acknowledge hazard abatement procedures.
    3. JHA must be kept at job site accessible to all impacted personnel.
    4. Failure to follow JHA procedures may lead to termination of the contract.
C. Personal Protective Equipment ("PPE")
    1. All required PPE must be worn at all times during work activities.
    2. All mandatory PPE must be highlighted in the JHA.
    3. PPE shall be provided by the Contractor.
    4. Failure to follow PPE guidelines may lead to termination of the contract.
D. Safety Tailgates
    1. Safety Tailgate Meetings must be held on a biweekly basis for all construction projects.
    2. The first meeting shall take place on Day 1, Week 1 and every other week thereafter.
    3. Tailgates shall be signed by all personnel and submitted to Construction Inspector for recordkeeping.
    4. Tailgate topics should be specific to the scope of work of the project.
E. Injury Reporting
    1. Contractors shall immediately report injuries or accidents to the Project Manager (regardless of severity). Additionally, contractors are responsible for and must also conduct accident investigations of any injuries that occur on site and provide results to the Project Manager.
    2. Use the City Incident Investigation Form (Attachment E), or equivalent, to meet this requirement.
F. Spill Prevention
    1. The Contractor is responsible for any spill within the confines of the project and those outside of the construction limits caused by the Contractor's defective equipment, containers, or personnel.
    2. Secondary spill containment systems shall be used to prevent contamination of the environment.
G. Construction in Occupied Buildings
    1. When building occupants are present during construction projects additional safeguards must be implemented to eliminate exposures and complaints. Dust/ particulates from demolition, sanding and other construction activities must be controlled by adequate ventilation, or containment and negative air ventilation systems based upon the specific type of activity and particle. Similar controls must be utilized for odorous activities including, but not limited to, carpet adhesive, painting, welding, and coatings.
    2. The Contractor shall ensure that the HVAC system is protected in order to prevent contamination. If an HVAC system is unprotected and contaminated by any construction/demolition materials, the Contractor shall be held responsible for the cost of cleaning the system and any subsequent repairs therein.
    3. Negative air ventilation systems shall have appropriate filtration and be exhausted outside of the building.

INSPECTIONS

A. Follow up inspections will be executed to enforce compliance with safety and health requirements.
B. Follow up inspections will be conducted as part of routine site inspections by construction inspector and Risk Management employees.

C. The SPQ aims to provide the City with knowledge of Contractor safety history and safety practices. This minimizes the need for increased frequency of inspections. In addition, the City will take the following guidelines into consideration when determining frequency of inspections.
    1. Scale of project;
    2. The frequency with which the number and types of hazards change as the work progresses;
    3. More frequent inspections will be implemented in the beginning of the project; and
    4. When the Contractor has never worked for the City.

TRAINING/DOCUMENTATION

A. Contractor will ensure that all personnel are properly trained for the scope of work they are assigned, as well as the equipment they will be utilizing.
B. Documentation shall be on file with the City prior to project start.
C. Personnel missing training documentation shall not be permitted to work on awarded City projects.
D. Training requirements are mandated by Federal and State Regulations. This may include, but is not limited, to the programs listed in the SPQ.

NON-COMPLIANCE

A. Contractor compliance issues shall be documented on the "Notice of Non-Compliance" form. A copy of this form shall be provided to Contractor for completion.
B. Upon receipt of the completed "Notice of Non-Compliance" form, the Project Manager and Risk Management will evaluate, based on the incident, and identify, as appropriate, any additional corrective and/or preventive actions for completion.
C. If immediate correction is not feasible, the project will be temporarily stopped until the issue is adequately resolved.
D. City staff with authority to stop work are:
    1. Construction Inspector;
    2. City Project Manager;
    3. City Manager; and
    4. Risk Management staff.
E. Any violation or deviation from safety rules, procedures, or regulations, based on evaluation, may be subject to any and all disciplinary actions listed as follows:
    1. Verbal warning
    2. Written warning-Notice of Non-Compliance (work may not continue until approved corrections are implemented);
    3. Dismissal of non-complying personnel; and/or
    4. Termination of Contract.

The City of Redlands maintains the right to terminate any contract for the violation of safety issues without liability to the City.

CITY PERSONNEL

A. All affected City employees will be informed in advance of any construction related work or other contract work which has the potential for impacting their workplace. Notifications will be made to all affected employees via e-mail or written memo by the Project Manager or designee. Notifications must include the following information:
    1. Start and end dates of the work to be completed;
    2. Work areas to be affected;

3. Description of work to be completed;
4. Name and phone number of Project Manager;
5. Name and phone number of Construction Inspector; and
6. Name and phone number of Risk Management.

B. Employees should be instructed to notify Project Manager regarding logistical issues or other concerns. Safety and Health concerns should be directed to either the Project Manager, Inspector, or Safety Specialist.

VII. Recordkeeping

The City's Human Resources / Risk Management Department will maintain all records prepared in association with this CSP, with copies also place on file with the office of the City Clerk.

VIII. Additional References

https://www.dir.ca.gov/title8/336_10.html

City of Redlands
Acknowledgment of Receipt Statement

I acknowledge by signing this document, that I have received and reviewed the City of Redlands' Contractor Safety Program and understand that it contains important information on the City's policies and procedures regarding employee safety as it pertains to Contractor activities. Furthermore, I acknowledge that failure to comply with any of these procedures may lead to termination of the contract with the City.

_____	_____
Contractor Signature	Contractor Title:
_____	_____
Contractor Name (Print)	Date Signed

If you have any questions regarding this document, please contact the Risk Management Division at (909) 798-7514.

CITY OF REDLANDS
SAFETY PREQUALIFICATION QUESTIONNAIRE

Omitting or reporting false information on this questionnaire may result in disqualification of bid. The City of Redlands reserves the right to conduct random or for-cause audits of information stated in this questionnaire. If deemed necessary, additional documentation may be requested by the City to verify responses on this questionnaire.

SECTION 1 – GENERAL INFORMATION

Company Name:	
Contractor License #:	Expiration Date:
Address:	
City:	State: Zip Code:
Name of Person Submitting Application:	
Title:	Telephone #:
Email Address:	
Identify the highest ranking Safety/Health Professional in your Company:	
Name:	
Title:	Telephone #:

SECTION 2 – INCIDENT RATES & WORKER'S COMPENSATION INFORMATION

INCIDENT RATES **Provide your actual injury and illness data below:**	Provide the NAICS Code Number that best represents your Firm:_____ Provide any additional numbers here: _____

(Provide three full years of data)	Last Calendar	2 Years Ago	3 Years Ago
Number of hours worked by all employees:			
Total Recordable Incident Rate*:			
D.A.R.T. Rate*:			
Total Number of Fatalities:			

Incident Rate = [(Total Recordable Cases X 200,000 hours)/ Number of hours worked by all employees]

D.A.R.T. Rate = [(Total Number of entries for Days Away, Restricted and Job Transfer X 200,000 hours)/ Number of hours worked by all employees]

If your latest incident rates and D.A.R.T. rates are greater than 100% of the industry average for all your NAICS code Numbers Listed, your bid may be disqualified.

The industry average can be found at www.bls.gov

WORKERS' COMPENSATION INFORMATION

1. Provide your Workers' Compensation Experience Modification Rate (EMR) Data:

	Policy Year	EMR
Current EMR*		
1 Year Ago:		
2 Years Ago:		
3 Years Ago:		

* If your current EMR is greater than 1.25, initialing here certifies that you will provide a competent, full- time person or representative responsible for safety for all City projects:_____

* Initialing here certifies that your firm does not have an EMR:_____
(Submit a copy of your firm's Loss Run Reports for the last three years if your firm does not have an EMR.)

Name of your firm's Workers' Compensation carrier:

Phone Number of Workers' Compensation carrier

2. Is your firm self-insured for Workers' Compensation claims?	Yes ❒	No ❒
(If yes, please attach a copy of the latest Annual Report to the State of California Department of Industrial Relations and/or State of California Certificate of Self-Insurance.)		

SECTION 3– CITATION HISTORY

1. Has your firm received any regulatory citations in the last three years?	Yes ❒	No ❒
If yes, please answer the question below.		

2. Were any of the confirmed (Closed) citations classified as Serious, Willful, Repeat, or Failure to abate?	Yes ❒	No ❒
3. If yes, please explain:		
4. Have you abated all of the citations issued to you in the last three years	Yes ❒	No ❒
If no, please explain abatement action plan:		

SECTION 4 – SAFETY POLICIES

	Questions (Please check YES or NO)	YES	NO*
1.	Does your company provide and adhere to a written Illness Prevention Program (IIPP) (CCR Title 8 §3203(a))? If yes, a copy of the program will be required on-hand at the job site throughout the duration of the contract. Please attach a copy to your bid proposal.	☐	☐
2.	Does your company provide and conduct Tailgate Meetings, or equivalent with employees at least every 10 working days. (CCR Title 8 §1509(e))	☐	☐
3.	Does your company have a policy for disciplinary action for unsafe behavior ensuring employee compliance with safe and healthy work practices? (CCR Title 8 §3203(a)(2))	☐	☐
4.	Does your company provide and abide by a written Code of Safe Practices that relates to your firm's operations. (CCR Title 8 §1509(b)) If yes, a copy of the Code of Safe Practices will be required on-hand at the job site throughout the duration of the contract. Please attach a copy with your bid proposal.	☐	☐
5.	Does your company perform JHAs? (CCR Title 8 §1511(b)	☐	☐
6.	Does your company provide training and retraining programs for ensuring employee compliance with safe and healthy work practices? (CCR Title 8 §3203 (a)(2), (a)(7)	☐	☐
7.	Does your company provide training and retraining programs for ensuring employee compliance	☐	☐

*Please provide reason(s) for NO answer in the box below or on a separate sheet of paper.

Failure to provide the above-referenced documents will result in the contractor's bid being disqualified.

SECTION 5 – SAFETY PROGRAMS AND PROCEDURES

PLEASE ANSWER ALL QUESTIONS BY CHECKING YES OR NO, AND ATTACHING APPROPRIATE DOCUMENTS THAT MAY APPLY OR AS REQUESTED.

		YES	NO
1.	**Is Confined Space work anticipated in the scope of the work awarded? (If no, please proceed to Question 2)**	☐	☐
	If yes, please attach the following:	Attached?	
	Copy of written Confined Space Entry Procedure	☐	☐
	List of personnel authorized on jobsite to work in confined space(s)	☐	☐
	List of personnel authorized on jobsite to serve as Rescue Team	☐	☐
	Verification of personnel training (copies of certs, cards, etc.)	☐	☐

2.	**Is work requiring Lockout/Tagout protocols anticipated in the scope of the work awarded? (If no, please proceed to Question 3)**	☐	☐
	If yes, please attach the following:	Attached?	
	Copy of written Lockout/Tagout (LOTO) Procedure	☐	☐
	List of personnel authorized on jobsite to perform LOTO	☐	☐
	Verification of personnel training (copies of certs, cards, etc.)	☐	☐

3.	**Is work requiring a personal lift anticipated in the scope of the work awarded? (If no, please proceed to Question 4)**	☐	☐
	If yes, please attach the following:	Attached?	
	List of personnel authorized on jobsite to use lifts	☐	☐
	Verification of personnel training (copies of certs, cards, etc.)	☐	☐

4.	**Is work requiring a forklift anticipated in the scope of the work awarded? (If no, please proceed to Question 5)**	☐	☐
	If yes, please attach the following:	Attached?	
	List of personnel authorized on jobsite to use a forklift	☐	☐
	Verification of personnel training (copies of certs, cards, etc.)	☐	☐

5.	**Is work requiring a crane anticipated in the scope of the work awarded? (If no, please proceed to Question 6)**	☐	☐
	If yes, please attach the following:	Attached?	
	Copy of written Crane Program	☐	☐
	Copy of all expected Crane operators' Certifications	☐	☐
	List of personnel designated as Competent under Crane program	☐	☐
	Verification of personnel training (copies of certs, cards, etc.)	☐	☐

NOTE: If awarded bid, more documentation may be required

6.	**Is Hot Work (as defined by OSHA) anticipated in the scope of the work awarded? (If no, please proceed to Question 7)**	☐	☐
	If yes, please attach the following:	Attached?	
	Copy of written Hot Work Procedure	☐	☐
	List of personnel authorized on jobsite to perform Hot Work	☐	☐
	Verification of personnel training (copies of certs, cards, etc.)	☐	☐

7.	**Is Trenching/ Excavation work anticipated in the scope of the work awarded? (If no, proceed to Question 8)**	☐	☐
	Is a plan in place for the disposal of all material that cannot be returned to the trench/ excavation?	☐	☐
	Are appropriate materials for barricading or securing work area at jobsite?	☐	☐
	Has a permit from the Department of Industrial Relations for excavations deeper than 5 feet been obtained?	☐	☐
	If yes, please attach the following:	Attached?	
	Copy of written Trenching/ Excavation Procedure	☐	☐
	Copy of Permit if trench is to exceed depth of 5 feet	☐	☐
	List of personnel designated as Competent under Trenching/ Excavation Program	☐	☐
	Verification of personnel training (copies of certs, cards, etc.)	☐	☐

NOTE: If awarded bid, more documentation may be required

8.	**Is electrical work anticipated in the scope of the work awarded? (If no, proceed to Question 9)**	☐	☐
	If yes, please attach the following:	Attached?	
	Copy of written Electrical Safety Program	☐	☐
	List of personnel designated as Competent under Electrical Safety Program	☐	☐
	Verification of personnel training (copies of certs, cards, etc.)	☐	☐

9.	**Is work that may have an arc flash potential anticipated in the scope of the work awarded? (If no, proceed to Question 10)**	☐	☐
	Are all materials required to safely perform arc flash present?	☐	☐
	If yes, please attach the following:	Attached?	
	Copy of Arc Flash Procedure	☐	☐
	List of personnel designated as Competent under Arc Flash Program	☐	☐
	Verification of personnel training (copies of certs, cards, etc.)	☐	☐

10.	**Is work involving chemicals anticipated in the scope of the work awarded? (If no, proceed to Question 11)?**	☐	☐
If yes, please attach the following:		Attached?	
Copy of written Hearing Conservation Program		☐	☐
List of personnel working in high noise areas		☐	☐
Verification of personnel training (copies of certs, cards, etc.)		☐	☐

11.	**Is work involving chemicals anticipated in the scope of the work awarded? (If no, proceed to Question 12)?**	☐	☐
* Copies of SDS for Chemicals used must be kept at jobsite			
Please attach the following:		Attached?	
Copy of written Hazard Communication Program		☐	☐
List of personnel performing work with chemicals		☐	☐
Verification of personnel training (copies of certs, cards, etc.)		☐	☐
List trade names of all hazardous materials which you will be using on site:			

12.	**Is work on or adjacent to public roadways anticipated in the scope of the work awarded. (If no, proceed to Question 13)**	☐	☐
Do you have the appropriate provisions (signs, devices, barricades/)		☐	☐
Please attach the following:		Attached?	
Please provide a list of personnel working in traffic areas.		☐	☐
Verification of personnel training (copies of certs, cards, etc.)		☐	☐

NOTE: If awarded bid, more documentation may be required

13.	**Is it anticipated in the scope of the work awarded that exposure to asbestos is possible? (If no, proceed to Question 14)**	☐	☐
Please attach the following:		Attached?	
Copy of written procedure(s)		☐	☐
List of personnel working with potential exposure to asbestos		☐	☐
Verification of personnel training (copies of certs, cards, etc.)		☐	☐

14.	**Is it anticipated in the scope of the work awarded that exposure to silica is possible? (i.e. sandblasting, concrete demolition, concrete saw cutting, surface grinding, etc.) (If no, proceed to Question 15)**	☐	☐
Please attach the following:		Attached?	
Copy of Silica Control Plan		☐	☐
List of personnel working with potential exposure to silica		☐	☐
Verification of personnel training (copies of certs, cards, etc.)		☐	☐

15.	**Is work at heights anticipated in the scope of the work awarded? (If no, proceed to Question 16)**	☐	☐
Please attach the following:		Attached?	
Copy of written Fall Protection Program		☐	☐
List of personnel designated as Competent under Fall Protection Program		☐	☐
Verification of personnel training (copies of certs, cards, etc.)		☐	☐

16.	**Is work requiring the use of respirators anticipated in the scope of the work awarded? (If no, proceed to Question 17)**	☐	☐
Please attach the following:		Attached?	
Copy of written Respiratory Protection Program		☐	☐
List of personnel using respirators		☐	☐
Verification of personnel training (copies of certs, cards, etc.)		☐	☐

17.	**If the scope of work to be performed is not adequately represented by questions (1-16), please list any additional Health & Safety concerns below.**

SECTION 6 – COMPLIANCE HISTORY ON CITY PROJECTS

In addition to the previous sections, Contractors that have previously been awarded work by the City, will be equally evaluated on their compliance history in relation to City projects.

SECTION 7 – CERTIFICATION STATEMENT

I Certify under penalty of perjury that:

a. the information contained herein is true and correct to the best of my knowledge, and

b. no attempt has been made to give false or misleading information or to withhold any information.

Signature of Authorized Representative:	Title of Authorized Representative
Printed Name of Authorized Representative	Date Signed:

NOTICE OF NON-COMPLIANCE

Project: ______________________________

Contractor: ___________________________

Notice of Non-Compliance was issued to Contractor's representative,____________________________,
Name

on____________at____________.

The following unsafe behaviors were observed at the Contractor's job site:

If the unsafe condition is not immediately corrected, the City of Redlands may take disciplinary action in accordance with the Contractor Safety Program guidelines.

To be completed by Contractor

Corrective action plan to abate hazards:

Unsafe Condition Resolved: Date:___________________Time: ___________________

Remarks:

Job Hazard Analysis

Project:			
Company:	Project Safety Official:	Project Manager (City):	
Scope of Work:		Location:	Date:

Tasks	Potential Safety Risks/Hazards	Safety Controls/Mitigat	Required PPE
			☐ Hard Hat ☐ Safety Vest ☐ Safety Glasses/Goggles ☐ Safety Boots ☐ Respirator ☐ Safety Gloves ☐ Face Shield ☐ Fall Protection ☐ Other: _____ _____ _____ _____

Signatures of Employees On-Site this JHA is applicable to:

Employee Signature:	**Print Name:**	**Date:**

INCIDENT INVESTIGATION FORM

Date of Incident:	Time of Incident:	Date Reported:
Lead Investigator:	Contact Information:	
Contractor:	Employee Name:	
Witness 1 Name:	Telephone:	
Witness 2 Name:	Telephone:	
Incident Site/ Location		
Incident Summary:		
Near Miss Yes No	Incident Severity: Minor Significant Major Critical	
Root Cause(s):		
Corrective Actions:		

RECEIVED
JAN 12 2024
Redlands City Clerk

TTS ENGINEERING
General Engineering Contractor
LICENSE #755079

January 12, 2024

RE: Bid Protest for 2023 Citywide Sidewalk and Ada Ramp Replacement Project. Project No. 400025

To: City of Redlands City Clerk
Jeanne Donaldson
35 Cajon St #4
Redlands, CA 92373

From: TTS Engineering
Michael Hobbs - Perrone
10731 Chestnut Avenue
Stanton, CA 90680

TTS Engineering (TTS) is protesting the bid for Tryco General Engineering (Tryco) for the *2023 Citywide Sidewalk and Ada Ramp Replacement Project: Project No. 400025*. TTS is requesting the bid submittal package from Tryco to ensure items 14 and 15 on the Bidder's Checklist were submitted.

The cover page of the bid submittal package states "This bid submittal package shall be submitted in conformance with the contract documents in a sealed envelope. Failure to submit this entire bid proposal with all requested items fully completed may cause the bid to be rejected at the discretion of the city." The second page, *Bidders Check List* states, "Required Documents for Submittal" and "This checklist shall be completed and signed."

For Item 14 *Construction Schedule with Lead Times Such as Materials Procurement Process, Installation, And Complete Construction*. TTS wants to ensure Tryco provided the appropriate schedule that meets the bid specifications. It is uncommon for our competitors to spend the time to provide a schedule for Public Works projects during the bid phase.

For Item 15 *In-Use Off-Road Diesel-Fueled Fleet's Valid Certificate of Reported Compliance*, TTS wants to ensure the DOORs certificate was submitted. In TTS' history we have found it is rare for our competitors, to operate and maintain a DOORs account. Many of our competitors we have relationships with operate out of compliance, which is common in the industry.

Per the language in the bid submittal package, should the documentation not have been submitted for items 14 and 15, it should make Tryco a non-responsive bidder.

TTS has attached the Bid Submittal Package along with the email sent to Tryco General Engineering (Try Kirtley trykirtley@yahoo.com), as required in the Bid Protest Procedures, section 10.3. This bid protest is being submitted on the second business day following the bid opening on January 10, 2024

Michael Hobbs-Perrone Digitally signed by Michael Hobbs-Perrone Date: 2024.01.11 20:54:37-08'00'

Michael Hobbs - Perrone

Telephone: 815-618-5152
Email: Mhobbs@ttsengineering.net

Bid Protest - 2023 Redlands Sidewalk

Michael D. Hobbs-Perrone <mhobbs@ttsengineering.net>

Thu 1/11/2024 8:59 PM

To:trykirtley@yahoo.com <trykirtley@yahoo.com>

1 attachments (5 MB)

2023.01.12 Bid Protest - Redlands.pdf;

Mr. Kirtley,

Please find attached the bid protest TTS will submit tomorrow morning to the City Clerk. We are emailing this to you per Bid Protest Procedures, section 10.3.

Please email, text, or call me if you have any questions.

Thank you,

Michael Hobbs-Perrone
Project Manager
TTS Engineering Inc.

ENGINEERING INC.
General Engineering Contractor
LICENSE #755079

O 714-840-6346
F 714-846-7189
C 815-618-5152
www.ttsengineering.net
10731 Chestnut Ave.
Stanton CA 90680

Confidentiality Notice: Unless otherwise obvious from the nature of the transmittal, the information contained in this email is privileged and confidential information intended for the use of the individual or entity named above. If the reader of the message is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, or copying of this communication, or other use of, or taking of any action in reliance upon, is strictly prohibited. If you have received this communication in error, please immediately reply to the sender by email and delete this material from any computer.

THIS BID SUBMITTAL PACKAGE SHALL BE SUBMITTED IN CONFORMANCE WITH THE CONTRACT DOCUMENTS IN A SEALED ENVELOPE. FAILURE TO SUBMIT THIS ENTIRE BID PROPOSAL WITH ALL REQUESTED ITEMS FULLY COMPLETED MAY CAUSE THE BID TO BE REJECTED AT THE DISCRETION OF THE CITY.

CITY OF REDLANDS
MUNICIPAL UTILITIES & ENGINEERING DEPARTMENT

BID SUBMITTAL PACKAGE

FOR

2023 CITYWIDE SIDEWALK AND ADA RAMP REPLACEMENT PROJECT
Project No. 400025

December 2023

RECYCLED PAPER

BIDDERS CHECK LIST

(Required Documents for Submittal)

1. Bidders check list completed and signed. _____
2. Bid proposal completed and signed. _____
3. Addenda's (if any) acknowledged. _____
4. Bid certification attached and signed. _____
5. Bid bond attached and signed. _____
6. Non-collusion Affidavit attached and signed _____
7. Officers of corporation (members of firm) attached and signed. _____
8. Sub-contractors list attached and completed. _____
9. Qualification and experience statement attached and completed. _____
10. Sub-contractors qualification and experience statement attached (for all listed sub-contractors). _____
11. General information filled out and attached. _____
12. Department of Industrial Relations registration proof for Contractor and all listed sub-contractors. _____
13. City of Redlands' Contractor Safety Program reviewed. Acknowledgement of Receipt (Attachment A) and Safety Prequalification Questionnaire (Attachment B) completed and signed. _____
14. Construction Schedule with Lead Times such as materials procurement process, installation, and complete construction. _____
15. In-Use Off-Road Diesel-Fueled Fleet's valid Certificate of Reported Compliance submitted. _____

_____

Signature

_____

Signatory's Title

_____

Company Name

This checklist shall be completed and signed. Failure to complete the checklist may cause the bid to be rejected at the discretion of the City.

PROPOSAL

TO: THE CITY OF REDLANDS, SAN BERNARDINO COUNTY, CALIFORNIA herein called the "City".

Pursuant to and in compliance with your Notice Inviting Bids, and the other documents relating thereto, the undersigned Bidder, having familiarized themselves with the terms of the Contract, the local conditions affecting the performance of the Contract and the cost of the work at the place where the work is to be done, and with the plans thereto, hereby proposes and agrees to perform within the time stipulated, the Contract, including all of its component parts and everything required to be performed, and to provide and furnish any and all of the labor, materials, tools, equipment and all utility and transportation services necessary to perform the contract, and complete in a workmanlike manner, all of the work covered by the contract in connection with the City's Project identified as

2023 Citywide Sidewalk and ADA Ramp Replacement Project
Project No. 400025

NOTE: Bidders must bid each item in this schedule. All entries in the entire PROPOSAL must be made clearly and in ink. Mistakes shall be lined through and the correct amount written above and initialed by the authorized agent of the Bidder.

BID SCHEDULE

(See "Section 01200 – Measurement and Payment" for Bid Item description)

Item No.	Brief Description	Estimated Quantity	Unit Price (If Applicable)	Total Price in Figures
1	Mobilization (Maximum 5% of Total Bid Price)	LUMP SUM	N/A	$_____
2	Traffic and Pedestrian Control	LUMP SUM	N/A	$_____
3	New 4" Thick PCC Sidewalk	14,325 SF	$_____/SF	$_____
4	New 6" Thick PCC Sidewalk	180 SF	$_____/SF	$_____
5	New 6" Thick PCC Driveway Approach	300 SF	$_____/SF	$_____
6	Remove and Replace 4" Thick PCC Sidewalk	56,475 SF	$_____/SF	$_____
7	Remove and Replace 6" Thick PCC Sidewalk	2,502 SF	$_____/SF	$_____

BID SCHEDULE

(See "Section 01200 – Measurement and Payment" for Bid Item description)

Item No.	Brief Description	Estimated Quantity	Unit Price (If Applicable)	Total Price in Figures
8	Remove and Replace 6" Thick PCC Driveway Approach	4,027 SF	$_____/SF	$_____
9	Remove and Replace ADA Accessible Curb Ramp	47 EA	$_____/EA	$_____
10	Demobilization	LUMP SUM	N/A	$_____
			BID SCHEDULE PRICE	$_____

Last Minute Additions/Deductions*_____ Bid Item No._____

Last Minute Additions/Deductions*_____ Bid Item No._____

Last Minute Additions/Deductions*_____ Bid Item No._____

BID SCHEDULE TOTAL PRICE: $_____

BID SCHEDULE TOTAL PRICE WRITTEN IN WORDS: _____

_____

_____

* Provision is made here for the Bidder to include an addition or deduction in its bid, if it wishes, to reflect any last-minute adjustments in prices. The addition or deduction, if made, will be proportionately applied to the Progress Payments total for the respective item in the Schedule of Prices, the amount being added or deducted for each monthly payment. The unit prices entered in the Schedule of Prices will not be affected.

LOW BID DETERMINATION:

The low bid will be determined pursuant to Public Contract Code Section 20103.8 as the lowest bid price on the Bid Schedule Total Price on page BD 11. A responsible bidder who submits the lowest bid as determined by the above method shall be awarded the contract, if it is awarded, by the City Council of the City of Redlands.

ADDENDA

Receipt of the following addenda is hereby acknowledged and the same is included in the Bid Price:

Addendum #1_____ (initials) Addendum #2_____ (initials) Addendum #3_____ (initials)

Addendum #4_____ (initials) Addendum #5_____ (initials) Addendum #6_____ (initials)

ATTEST: (if Corporation)

(Corporation Seal)

Company Name	Signature
Address	Name
City, State, Zip	Title

BID CERTIFICATION

The undersigned certifies that they are familiar with the various State and local laws affecting labor, length of working days, employer's liabilities, Sunday work, alien labor, domestic materials, Subcontractors, etc.

It is understood and agreed that the work under the contract will be commenced by the undersigned Bidder, if awarded the contract, within ten (10) calendar days from the date in the Notice to Proceed and will be completed by the Contractor in the time set forth in the **CONTRACT**.

Enclosed find Bidders bond or certified or cashier's check No. _____ on the _____ Bank, in the amount of _____ _____ which is not less than ten percent (10%) of the Bid submitted by the undersigned, made payable to the City of Redlands, California and which is given as a guarantee that the Bidder agrees that in case of their default in executing said contract with necessary bonds, the bond or check accompanying this Bid and the money made payable shall become and remain the property of the City of Redlands.

It is understood and agreed that the City of Redlands has the right to waive defects or irregularities and to accept or reject any or all Bids. No Bidder may withdraw their Bid for a period of sixty (60) days after the time of the Bid Opening except as allowed by the California Public Contract Code.

The following information, required by State law under penalty of perjury, is true and correct. Failure to complete this information renders the bid non-responsive, and the bid must be rejected.

_____	_____
Company Name	Signature
_____	_____
Address	Signatory's Title
_____	_____
City, State, Zip	State License Number and Class
_____	_____
Telephone Number	License Expiration Date

Dated this _____ day of _____, 20___.

BID BOND

KNOW ALL PERSONS BY THESE PRESENTS,

That _____ as Principal, and _____ as Surety, are held and firmly bound unto the City of Redlands, hereinafter called City, in the sum of _____ dollars, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

WHEREAS, said Principal has submitted a bid to said City to perform all work required under the Project No. 400025.

NOW, THEREFORE, if said Principal is awarded a contract by said City and, within the time and in the manner required under the heading "Instructions to Bidders" bound with said Specifications, enters into a written contract on the form of agreement bound with said Specifications and furnishes the required bonds, one to guarantee faithful performance and the other to guarantee payment for labor and materials; then this obligations shall be null and void, otherwise it shall remain in full force and effect. In the event suit is brought upon this bond by said City and Judgment is recovered, said Surety shall pay all costs incurred by said City in such suit, including a reasonable attorney's fee to be fixed by the court.

SIGNED AND SEALED, this _____ day of _____, 20____.

_____**(SEAL)**
(Principal)

By:_____
(Signature)

_____**(SEAL)**
(Surety)

By:_____
(Signature)

Address:_____

_____

Telephone (___)_____

(Seal and Notarial Acknowledgment of Surety)

STATEMENT BY BIDDER
NON-COLLUSION AFFIDAVIT

STATE OF)
) ss
COUNTY OF)

_____, being first duly sworn, deposes and says that

he is
(Sole Owner, a Partner, President, Secretary, etc.)

of
(Contractor)

the party making the foregoing bid on Project No. 400025 that such bid is not made in the interest of or on behalf of any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the Bidder has not directly or indirectly induced or solicited any other Bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any Bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the Bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the Bidder or of any other Bidder or to fix any overhead, profit, or cost element of the bid price or of that of another bidder, or to secure any advantage against the public body awarding the Contract of anyone interested in the proposed contract; that all statements contained in such bid are true; and further, that the Bidder has not directly or indirectly, submitted his bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company, association organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

By: _____ Title: _____

Subscribed and sworn to before me this _____ day of _____, 20___.

Signature of Officer Administering Oath
(Notary Public)

STATEMENT BY BIDDER
OFFICERS OF CORPORATION (Members of Firm)

The names of all persons interested in the foregoing proposals as principals, are as follows: (IMPORTANT NOTICE - if Bidder or other interested person is a corporation, state legal name of corporation, also names of the president, secretary, treasurer and manager thereof; if a co-partnership, state true name of firm, also names of all individual co-partners composing firm; if Bidder or other interested person is an individual, state first and last names in full).

_____ _____

_____ _____

_____ _____

Licensed in accordance with an act providing for the Registration of Contractors, License

No. _____.

Signature of Bidder _____ Dated_____

NOTE: If Bidder is a corporation, the legal name of the corporation shall be set forth above, together with the signature of the officer(s) authorized to sign contracts on behalf of the corporation; if Bidder is a co-partnership, the true name of the firm shall be set forth above, together with the signature of the partner or partners authorized to sign contracts in behalf of the co-partnership, and if the Bidder is an individual, that signature shall be placed above.

STATEMENT BY BIDDER
SUB-CONTRACTORS LIST

Bidder supplies the following information for any Subcontractor who will perform work or labor or render services to the prime contractor, etc. to be used on Project No. 400025, all in accordance with Section 4104 of the California Public Contract Code.

LICENSED SUBCONTRACTOR'S NAME AND BUSINESS ADDRESS	LICENSE #	SPECIFIC DESCRIPTION OF SUBCONTRACT & BID ITEM #	% OF BID ITEM TO BE PERFORMED

STATEMENT BY BIDDER
GENERAL INFORMATION

1. Bidder's Mailing Address _____
   _____

2. Number of years engaged in the contracting business under your present firm or trade name:

   _____

3. Have you ever failed to complete any work awarded to you? (Yes or No) _____. If yes, provide details in the space provided in Item 10.

4. Have you ever defaulted on a contract? (Yes or No) _____. If yes, provide details in the space provided in Item 10.

5. Have you ever been a party to a lawsuit or gone to arbitration during the last 5 years? (Yes or No) _____. If yes, provide details in the space provided in Item 10.

6. Has any Stop Notice been filed against you during the last 5 years? (Yes or No) ___. If yes, provide details in the space provided in Item 10.

7. Has your contractor's license ever been suspended, revoked, or subject to disciplinary action? (Yes or No) _____. If yes, provide details in the space provided in Item 10.

8. Contracts currently on hand:

Agency Name	Amount of Contract	Start Date	Completion Date

9. Enter the name of person(s) who inspected the site of the proposed work for your firm and the date of said site inspection.
   Name:_____ Date:_____

10. In the space provided, the Bidder shall provide details concerning any "Yes" answers provided in this "General Information" section. Details shall include, but not be limited to, the nature of dispute, name of the agency involved and the final outcome. If requested by the City, the Bidder shall supply additional information, sufficiently detailed, to permit evaluation of the Bidder's ability to perform the work.

Question Number	Details

City of Redlands
Acknowledgment of Receipt Statement

I acknowledge by signing this document, that I have received and reviewed the City of Redlands' Contractor Safety Program and understand that it contains important information on the City's policies and procedures regarding employee safety as it pertains to Contractor activities. Furthermore, I acknowledge that failure to comply with any of these procedures may lead to termination of the contract with the City.

Contractor Signature	Contractor Title:
Contractor Name (Print)	Date Signed

If you have any questions regarding this document, please contact the Risk Management Division at (909) 798-7514.

CITY OF REDLANDS
SAFETY PREQUALIFICATION QUESTIONNAIRE

Omitting or reporting false information on this questionnaire may result in disqualification of bid. The City of Redlands reserves the right to conduct random or for-cause audits of information stated in this questionnaire. If deemed necessary, additional documentation may be requested by the City to verify responses on this questionnaire.

SECTION 1 – GENERAL INFORMATION

Company Name:	
Contractor License #:	Expiration Date:
Address:	
City:	State: Zip Code:
Name of Person Submitting Application:	
Title:	Telephone #:
Email Address:	
Identify the highest ranking Safety/Health Professional in your Company:	
Name:	
Title:	Telephone #:

SECTION 2 – INCIDENT RATES & WORKER'S COMPENSATION INFORMATION

INCIDENT RATES **Provide your actual injury and illness data below:**	Provide the NAICS Code Number that best represents your Firm:_____ Provide any additional numbers here: _____

(Provide three full years of data)	Last Calendar	2 Years Ago	3 Years Ago
Number of hours worked by all employees:			
Total Recordable Incident Rate*:			
D.A.R.T. Rate*:			
Total Number of Fatalities:			

Incident Rate = [(Total Recordable Cases X 200,000 hours)/ Number of hours worked by all employees]

D.A.R.T. Rate = [(Total Number of entries for Days Away, Restricted and Job Transfer X 200,000 hours)/ Number of hours worked by all employees]

If your latest incident rates and D.A.R.T. rates are greater than 100% of the industry average for all your NAICS code Numbers Listed, your bid may be disqualified.

The industry average can be found at www.bls.gov

WORKERS' COMPENSATION INFORMATION

1. Provide your Workers' Compensation Experience Modification Rate (EMR) Data:

	Policy Year	EMR
Current EMR*		
1 Year Ago:		
2 Years Ago:		
3 Years Ago:		

* If your current EMR is greater than 1.25, initialing here certifies that you will provide a competent, full- time person or representative responsible for safety for all City projects:_____

* Initialing here certifies that your firm does not have an EMR:_____
(Submit a copy of your firm's Loss Run Reports for the last three years if your firm does not have an EMR.)

Name of your firm's Workers' Compensation carrier:

Phone Number of Workers' Compensation carrier

2. Is your firm self-insured for Workers' Compensation claims?	Yes ☐	No ☐
(If yes, please attach a copy of the latest Annual Report to the State of California Department of Industrial Relations and/or State of California Certificate of Self-Insurance.)		

SECTION 3– CITATION HISTORY

1. Has your firm received any regulatory citations in the last three years?	Yes ☐	No ☐
If yes, please answer the question below.		

		YES	NO
1.	**Is Confined Space work anticipated in the scope of the work awarded? (If no, please proceed to Question 2)**	☐	☐
	If yes, please attach the following:	Attached?	
	Copy of written Confined Space Entry Procedure	☐	☐
	List of personnel authorized on jobsite to work in confined space(s)	☐	☐
	List of personnel authorized on jobsite to serve as Rescue Team	☐	☐
	Verification of personnel training (copies of certs, cards, etc.)	☐	☐

2.	**Is work requiring Lockout/Tagout protocols anticipated in the scope of the work awarded? (If no, please proceed to Question 3)**	☐	☐
	If yes, please attach the following:	Attached?	
	Copy of written Lockout/Tagout (LOTO) Procedure	☐	☐
	List of personnel authorized on jobsite to perform LOTO	☐	☐
	Verification of personnel training (copies of certs, cards, etc.)	☐	☐

3.	**Is work requiring a personal lift anticipated in the scope of the work awarded? (If no, please proceed to Question 4)**	☐	☐
	If yes, please attach the following:	Attached?	
	List of personnel authorized on jobsite to use lifts	☐	☐
	Verification of personnel training (copies of certs, cards, etc.)	☐	☐

4.	**Is work requiring a forklift anticipated in the scope of the work awarded? (If no, please proceed to Question 5)**	☐	☐
	If yes, please attach the following:	Attached?	
	List of personnel authorized on jobsite to use a forklift	☐	☐
	Verification of personnel training (copies of certs, cards, etc.)	☐	☐

5.	**Is work requiring a crane anticipated in the scope of the work awarded? (If no, please proceed to Question 6)**	☐	☐
	If yes, please attach the following:	Attached?	
	Copy of written Crane Program	☐	☐
	Copy of all expected Crane operators' Certifications	☐	☐
	List of personnel designated as Competent under Crane program	☐	☐
	Verification of personnel training (copies of certs, cards, etc.)	☐	☐

NOTE: If awarded bid, more documentation may be required

6.	**Is Hot Work (as defined by OSHA) anticipated in the scope of the work awarded? (If no, please proceed to Question 7)**	☐	☐
	If yes, please attach the following:	Attached?	
	Copy of written Hot Work Procedure	☐	☐
	List of personnel authorized on jobsite to perform Hot Work	☐	☐
	Verification of personnel training (copies of certs, cards, etc.)	☐	☐

7.	**Is Trenching/ Excavation work anticipated in the scope of the work awarded? (If no, proceed to Question 8)**	☐	☐
	Is a plan in place for the disposal of all material that cannot be returned to the trench/ excavation?	☐	☐
	Are appropriate materials for barricading or securing work area at jobsite?	☐	☐
	Has a permit from the Department of Industrial Relations for excavations deeper than 5 feet been obtained?	☐	☐
	If yes, please attach the following:	Attached?	
	Copy of written Trenching/ Excavation Procedure	☐	☐
	Copy of Permit if trench is to exceed depth of 5 feet	☐	☐
	List of personnel designated as Competent under Trenching/ Excavation Program	☐	☐
	Verification of personnel training (copies of certs, cards, etc.)	☐	☐

NOTE: If awarded bid, more documentation may be required

8.	**Is electrical work anticipated in the scope of the work awarded? (If no, proceed to Question 9)**	☐	☐
	If yes, please attach the following:	Attached?	
	Copy of written Electrical Safety Program	☐	☐
	List of personnel designated as Competent under Electrical Safety Program	☐	☐
	Verification of personnel training (copies of certs, cards, etc.)	☐	☐

9.	**Is work that may have an arc flash potential anticipated in the scope of the work awarded? (If no, proceed to Question 10)**	☐	☐
	Are all materials required to safely perform arc flash present?	☐	☐
	If yes, please attach the following:	Attached?	
	Copy of Arc Flash Procedure	☐	☐
	List of personnel designated as Competent under Arc Flash Program	☐	☐
	Verification of personnel training (copies of certs, cards, etc.)	☐	☐

10.	**Is work involving chemicals anticipated in the scope of the work awarded? (If no, proceed to Question 11)?**	☐	☐
	If yes, please attach the following:	Attached?	
	Copy of written Hearing Conservation Program	☐	☐
	List of personnel working in high noise areas	☐	☐
	Verification of personnel training (copies of certs, cards, etc.)	☐	☐

11.	**Is work involving chemicals anticipated in the scope of the work awarded? (If no, proceed to Question 12)?**	☐	☐
	* Copies of SDS for Chemicals used must be kept at jobsite		
	Please attach the following:	Attached?	
	Copy of written Hazard Communication Program	☐	☐
	List of personnel performing work with chemicals	☐	☐
	Verification of personnel training (copies of certs, cards, etc.)	☐	☐
	List trade names of all hazardous materials which you will be using on site:		

12.	**Is work on or adjacent to public roadways anticipated in the scope of the work awarded. (If no, proceed to Question 13)**	☐	☐
	Do you have the appropriate provisions (signs, devices, barricades/)	☐	☐
	Please attach the following:	Attached?	
	Please provide a list of personnel working in traffic areas.	☐	☐
	Verification of personnel training (copies of certs, cards, etc.)	☐	☐

NOTE: If awarded bid, more documentation may be required

13.	**Is it anticipated in the scope of the work awarded that exposure to asbestos is possible? (If no, proceed to Question 14)**	☐	☐
	Please attach the following:	Attached?	
	Copy of written procedure(s)	☐	☐
	List of personnel working with potential exposure to asbestos	☐	☐
	Verification of personnel training (copies of certs, cards, etc.)	☐	☐

14.	**Is it anticipated in the scope of the work awarded that exposure to silica is possible? (i.e. sandblasting, concrete demolition, concrete saw cutting, surface grinding, etc.) (If no, proceed to Question 15)**	☐	☐
	Please attach the following:	Attached?	
	Copy of Silica Control Plan	☐	☐
	List of personnel working with potential exposure to silica	☐	☐
	Verification of personnel training (copies of certs, cards, etc.)	☐	☐

15.	**Is work at heights anticipated in the scope of the work awarded? (If no, proceed to Question 16)**	☐	☐
	Please attach the following:	Attached?	
	Copy of written Fall Protection Program	☐	☐
	List of personnel designated as Competent under Fall Protection Program	☐	☐
	Verification of personnel training (copies of certs, cards, etc.)	☐	☐

16.	**Is work requiring the use of respirators anticipated in the scope of the work awarded? (If no, proceed to Question 17)**	☐	☐
	Please attach the following:	Attached?	
	Copy of written Respiratory Protection Program	☐	☐
	List of personnel using respirators	☐	☐
	Verification of personnel training (copies of certs, cards, etc.)	☐	☐

17.	**If the scope of work to be performed is not adequately represented by questions (1-16), please list any additional Health & Safety concerns below.**

SECTION 6 – COMPLIANCE HISTORY ON CITY PROJECTS

In addition to the previous sections, Contractors that have previously been awarded work by the City, will be equally evaluated on their compliance history in relation to City projects.

SECTION 7 – CERTIFICATION STATEMENT

I Certify under penalty of perjury that:

a. the information contained herein is true and correct to the best of my knowledge, and

b. no attempt has been made to give false or misleading information or to withhold any information.

Signature of Authorized Representative:	Title of Authorized Representative
Printed Name of Authorized Representative	Date Signed:

City of
REDLANDS
35 Cajon Street, Redlands, CA 92373
909-798-7698
jharris@cityofredlands.org

Municipal Utilities &
Engineering Department
John R. Harris
Director

January 16, 2024

VIA EMAIL, FAX AND US MAIL

Michael Hobbs-Perrone
TTS Engineering
10731 Chestnut Avenue
Stanton, CA 90680

Re: Response to TTS Bid Protest for the 2023 Citywide Sidewalk and ADA Ramp Replacement Project, Project No. 400025.

Dear Mr. Hobbs-Perrone,

Thank you for your bid protest letter dated January 12, 2024. This letter is sent on behalf of the City of Redlands ("City") in response to your correspondence regarding a bid protest by TTS Engineering ("TTS") on the 2023 Citywide Sidewalk and ADA Ramp Replacement Project, Project No. 400025. In your letter, you request to ensure items 14 and 15 on the Bidder's Checklist were submitted by the apparent low bidder Tryco General Engineering ("Tryco").

We have carefully reviewed your bid protest and consulted with our City Attorney's office. Upon review, we have determined that the apparent low bidder's bid is responsive and hereby reject your bid protest.

The bidder's checklist was completed and signed by the bidder. Checklist items 14 and 15 were not included in the bid submittal package. However, the bid submittal package includes this statement ***"This bid submittal package shall be submitted in conformance with the contract documents in a sealed envelope. Failure to submit this entire bid proposal with all requested items fully completed may cause the bid to be rejected at the discretion of the City."***

Therefore, to the extent that a bid irregularity may exist, the City clearly has the right in interpreting and enforcing its bidding rules and has the sole discretion to waive inconsequential bid irregularities. In this instance, any purported bid irregularities would

not affect the amount of the bid submitted by the lowest responsible bidder. Staff will make sure checklist item 14 - construction schedule is provided by the contractor at the pre-construction meeting. Also, item 15 - In-Use Off-Road Diesel-Fueled Fleets Regulation certification has been obtained before entering the public works contract per California Air Resources Board (CARB) regulation.

Finally, staff has taken your bid and bid protest seriously. The City is committed to providing all bidders with a fair opportunity to bid on and be awarded its numerous projects. It is in the City's best interest to have a robust bidding environment. To that end, staff has worked and continues to work diligently towards making sure all bids are handled consistently and fairly. Please contact me if you have any further questions.

Very Truly Yours,



Goutam K. Dobey, P.E.
City Engineer
Ph: (909) 798-7584 x2

City Council Meeting **K. 2.**

DATE: 02/20/2024

TO: Honorable Mayor and City Council Members

SUBJECT: Consideration of the Professional Services Agreement and Sole Source Request for Landfill Gas Engineering Inc. for on-call engineering and support services for the wastewater treatment plant with an initial one (1) year term value not-to-exceed $215,000 with options to extend for two (2) additional years for a total amount not-to-exceed $645,000, and determine that this action is exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act (Municipal Utilities and Engineering Director Harris)

MOTION(S):

If City Council determines the staff recommendation is appropriate, the following motions are provided:

1. I move that City Council determine approval of a Professional Services Agreement with Landfill Gas Engineering Inc. is exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act; and

2. I move that City Council approve a Professional Services Agreement and Sole Source Request with Landfill Gas Engineering Inc. for on-call engineering and support services for the wastewater treatment plant with an initial one (1) year term value not-to-exceed $215,000 with options to extend for two (2) additional years.

RECOMMENDATION:

Staff recommends City Council determine that approval of a Professional Services Agreement with Landfill Gas Engineering Inc. is exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act and approve a Professional Services Agreement with Landfill Gas Engineering Inc. for on-call engineering and support services for the wastewater treatment plant with an

initial one (1) year term value not-to-exceed $215,000 with options to extend for two (2) additional years for a total not-to-exceed $645,000.

DISCUSSION:

The Wastewater Treatment Plant (WWTP) and City landfill use a combined flare to burn gases generated from both operations. Operation of this flare is permitted and strictly regulated by the South Coast Air Quality Management District (SCAQMD). After many years of providing flare consulting support services for the WWTP, LFG is very familiar with the specific temperatures, flow, pressures, gas composition, and heating values required to operate the flare in accordance with SCAQMD requirements.

Recently, LFG provided emergency support to the WWTP staff when the flare began malfunctioning frequently due to system temperature fluctuations. LFG quickly assessed the issue, determined that the Programmable Logic Controller (PLC) needed to be replaced, and supported the WWTP staff during this replacement. This resolved the issue, and the flare has worked well since. Improvements to the combined flare will soon be engineered, permitted, and constructed and support from LFG is necessary to ensure the flare continues to function efficiently. Given LFG's unique knowledge, experience, and proven capability in addressing emergency situations, as well as their integral role in the upcoming improvements, a Sole Source procurement request is deemed appropriate. Time constraints underscore the imperative for prompt decision-making in selecting LFG, known for their rapid response time in critical situations driven by regulations.

Approval of the Professional Services Agreement with LFG is exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act since the proposed action does not have the potential to cause any significant environmental impact.

ALTERNATIVES:

City Council may deny the staff recommendation and provide alternate direction.

STRATEGIC PLAN:

Strategic Priority B, Strategic Objective 1- Water/Wastewater/Solid Waste; Complete California Landfill flare upgrade project to ensure facility compliance.

SUBMITTED BY:
John R. Harris, Municipal Utilities and Engineering Director

RECOMMENDED BY:
Charles M. Duggan Jr., City Manager

REVIEWED BY:
Janice McConnell, Assistant City Manager
Danielle Garcia, Management Services/Finance Director
Dana Abramovitz-Daniel, Procurement Manager

PREPARED BY:
Fernando Mata, Wastwater Utility Manager

Fiscal Impact

Fiscal Year:	FY 23/24
Revenue Generating:	No
Appropriation Required Y/N:	No
Amount:	$215,000
Budgeted Y/N:	Yes
Account No.:	521900

Discussion:

Sufficient funding remains in the FY 23/24 Wastewater Service budget for this expenditure. Future Agreement extensions will be based on approved fiscal year budget appropriations.

Attachments

Sole Source Request
Agreement

Sole Source/ Single Source/ Standardization Form

For procurement of supplies, equipment and services valued at $5,000 and over

NOTE: Every question must be answered with appropriate documentation attached; incomplete forms will be immediately rejected by Purchasing.

Date: 1/16/24

TO: Purchasing Division

FROM: MUED- WW

Purchase Requisition # _____

Estimated Total Cost: $ 215,000

Proposed Vendor: Landfill Gas Engineering, Inc.

Request Term: FY 23/24

This form must accompany the purchase document whenever an exception to the competitive process is requested. Requests for goods and/or services from a specific vendor or limited to a specific brand, where substitutes to the recommended vendor or brand are unacceptable, must be accompanied by a written justification explaining the circumstances that make alternatives unacceptable.

The City Manager will determine whether the justification is appropriate. Requests for exception must be supported by factual statements that will pass an audit.

INSTRUCTIONS

1. Please check all applicable categories (a. through i.) below and provide additional information where indicated.

☐ a. The requested product is an integral repair part or accessory compatible with existing equipment.

Existing Equipment: _____

Manufacturer/Model Number: _____

Age: _____

Current Estimated Value: _____

☐ b. The requested product has unique design/performance specifications or quality requirements that are not available in comparable products.

☐ c. I have standardized the requested product and the use of another brand/model would require considerable time and funding to evaluate.

☐ d. The requested product is one in which I (and/or my staff) have specialized training and/or extensive expertise. Retraining would incur substantial cost in time and/or funding.

☐ e. The requested product is used or demonstration equipment available at a lower-than-new cost.

☐ f. Repair/Maintenance service is available only from manufacturer or designated service representative.

☐ g. Upgrade to or enhancement of existing software is available only from manufacturer.

☐ h. Service proposed by vendor is unique; therefore, competitive bids are not available or applicable.

■ i. Other factors (provide detailed explanation in #2 below).

2. Provide a detailed explanation and pertinent documentation *for each category* checked in item 1 above. Attach additional sheets if necessary:

LFG's consistent contribution to engineering and support services for our wastewater treatment plant's facilities, coupled with their deep familiarity and extensive experience, positions them as a crucial partner for achieving seamless and efficient service integration. This not only ensures project success but also minimizes the need for transitional adjustments.

3. Was an evaluation of other equipment, products, or services performed?
☐ Yes ■ No
If yes, please explain the type of evaluation performed and provide all supporting documentation:

4. List below the name of each individual who was involved in the evaluation, if conducted, and in making the recommendation to procure this product or service. Attach additional information, if necessary.
Fernando Mata

5. **Explain what action(s) the department would take if the sole/single source services were no longer available**

MUED may choose an alternative consultant; however, this could lead to project delays and disruption in critical assessments and project timeline.

6. I certify that the above information is accurate to the best of my knowledge, and a signed copy of this document will be kept on file and available for audit in my department

Fernando Mata — 01/16/2024
Prepared by — Date

J. R. H. — 1/17/2024
Department Director — Date

Purchasing Approvals

Purchasing Agent Approval — Date

City Manager Approval — Date

AGREEMENT TO PERFORM PROFESSIONAL SERVICES

This agreement for the provision of On-Call Engineering and Support Services for the Wastewater Treatment Plant ("Agreement") is made and entered in this 20th day of February, 2024 ("Effective Date"), by and between the City of Redlands, a municipal corporation ("City") and Landfill Gas Engineering Inc., a California corporation. ("Consultant"). City and Consultant are sometimes individually referred to herein as a "Party" and, together, as the "Parties." In consideration of the mutual promises contained herein, City and Consultant agree as follows:

ARTICLE 1 – ENGAGEMENT OF CONSULTANT

1.1 City hereby engages Consultant to provide On-Call Engineering and Support Services for the Wastewater Treatment Plant services for City (the "Services").

1.2 The Services shall be performed by Consultant in a professional manner, and Consultant represents that it has the skill and the professional expertise necessary to provide the Services to City at a level of competency presently maintained by other practicing professional consultants in the industry providing like and similar types of Services.

ARTICLE 2 – SERVICES OF CONSULTANT

2.1 The Services that Consultant shall perform are more particularly described in Exhibit "A," titled "Scope of Services," which is attached hereto and incorporated herein by this reference.

2.2 Consultant shall comply with applicable federal, state, and local laws and regulations in the performance of this Agreement including, but not limited to, any applicable State prevailing wage laws.

ARTICLE 3 – RESPONSIBILITIES OF CITY

3.1 City designates John R. Harris, Municipal Utilities and Engineering Director, as City's representative with respect to performance of the Services, and such person shall have the authority to transmit instructions, receive information, interpret, and define City's policies and decisions with respect to performance of the Services.

ARTICLE 4 – PERFORMANCE OF SERVICES

4.1 The term of this Agreement shall be for a period of one (1) year from the Effective Date of this Agreement (the "Initial Term"). The City shall have the option to extend the Initial Term of this Agreement by two (2) additional one-year terms (each, an "Extended Term"), on the same terms and conditions, by providing written notice to Consultant at least thirty (30) days prior to the expiration of the Initial Term or any Extended Term.

4.2 If Consultant's Services include deliverable electronic visual presentation materials, such materials shall be delivered in a form, and made available to City, consistent with City

Council-adopted policy for the same. It shall be the obligation of Consultant to obtain a copy of such policy from City staff.

ARTICLE 5 – PAYMENTS TO CONSULTANT

5.1 The compensation for Consultant's performance of the Services shall not exceed the amount of two hundred fifteen thousand dollars ($215,000) for the Services provided during the Initial Term. Should this Agreement be extended, the compensation for Consultant's performance for the Services shall not exceed the amount of two hundred fifteen thousand dollars ($215,000) for the first Extended Term; and two hundred fifteen thousand dollars ($215,000) for the second Extended Term, bringing the total possible amount of compensation to a not-to-exceed amount of six hundred forty-five thousand ($645,000). For the Initial Term and each Extended Term, City shall pay Consultant on a time and materials basis up to the not to not-to-exceed amount in accordance with the rates specified in Exhibit "B," titled "Rate Schedule," which is attached hereto and incorporated herein by this reference.

5.2 Consultant shall submit monthly invoices to City describing the Services performed during the preceding month. Consultant's invoices shall include a brief description of the Services performed, the dates the Services were performed, the number of hours spent and by whom, and a description of reimbursable expenses related to the Services. City shall pay Consultant no later than thirty (30) days after receipt and approval by City of Consultant's invoice.

5.3 Any notice or other communication required, or which may be given, pursuant to this Agreement, shall be in writing. Any such notice shall be deemed delivered (i) on the date of delivery in person; (ii) five (5) days after deposit in first class registered mail, with return receipt requested; (iii) on the actual delivery date if deposited with an overnight courier; or (iv) on the date sent by facsimile or electronic mail transmission (including PDF), if confirmed with a copy sent contemporaneously by first class, certified, registered or express mail; in each case properly posted and fully prepaid to the appropriate address set forth below, or such other address as a Party may provide notice in accordance with this section:

CITY:

City Clerk
City of Redlands
35 Cajon Street
P.O. Box 3005 (mailing)
Redlands, CA 92373
jdonaldson@cityofredlands.org
Phone: (909) 798-7531

CONSULTANT:

Salar Aliassar, CEO
Landfill Gas Engineering Inc.
5511 Mirage St.
Yorba Linda, CA 92886
salar@lfg-eng.com
Phone: (657) 767-4352

ARTICLE 6 – INSURANCE AND INDEMNIFICATION

6.1 The following insurance coverage required by this Agreement shall be maintained by Consultant for the duration of its performance of the Services. Consultant shall not perform any Services unless and until the required insurance listed below is obtained by Consultant. Consultant shall provide City with certificates of insurance and endorsements evidencing such insurance prior to commencement of the Services. Insurance policies shall include a provision prohibiting cancellation or modification of the policy except upon thirty (30) days prior written notice to City.

A. Workers' Compensation and Employer's Liability insurance in the amount that meets statutory requirements with an insurance carrier acceptable to City, or certification to City that Consultant is self-insured or exempt from the workers' compensation laws of the State of California. Consultant shall execute and provide City with Exhibit "C," titled "Workers' Compensation Insurance Certification," which is attached hereto and incorporated herein by this reference, prior to performance of the Services.

B. Comprehensive General Liability insurance with carriers acceptable to City in the minimum amount of One Million Dollars ($1,000,000) per occurrence and Two Million Dollars ($2,000,000) aggregate, for public liability, property damage and personal injury is required. City shall be named as an additional insured and such insurance shall be primary and non-contributing to any insurance or self-insurance maintained by City.

C. Consultant shall secure and maintain professional liability insurance throughout the term of this Agreement in the amount of One Million Dollars ($1,000,000) per claim made.

D. Business Auto Liability coverage, with minimum limits of One Million Dollars ($1,000,000) per occurrence, combined single limit bodily injury liability and property damage liability. This coverage shall include all Consultant owned vehicles used in connection with Consultant's provision of the Services, hired and non-owned vehicles, and employee non-ownership vehicles. City shall be named as an additional insured and such insurance shall be primary and non-contributing to any insurance or self-insurance maintained by City.

E. Consultant is expressly prohibited from assigning or subcontracting any of the Services without the prior written consent of City. In the event of mutual agreement by the Parties to assign or subcontract a portion of the Services, Consultant shall add such assignee or subcontractor as an additional insured to the insurance policies required hereby and provide City with the insurance endorsements prior to any Services being performed by the assignee or subcontractor.

6.2 Consultant shall defend, indemnify, and hold harmless City and its elected and appointed officials, employees, and agents from and against any and all claims, losses or liability, including attorneys' fees, arising from injury or death to persons or damage to property

occasioned by any negligent act or omission by, or the willful misconduct of, Consultant, or its officers, employees and agents in performing the Services.

ARTICLE 7 – CONFLICTS OF INTEREST

7.1 Consultant covenants and represents that it does not have any investment or interest in any real property that may be the subject of this Agreement or any other source of income, interest in real property or investment that would be affected in any manner or degree by the performance of Consultant's Services. Consultant further covenants and represents that in the performance of its duties hereunder, no person having any such interest shall perform any Services under this Agreement.

7.2 Consultant agrees it is not a designated employee within the meaning of the Political Reform Act because Consultant:

A. Does not make a governmental decision whether to:

(i) approve a rate, rule or regulation, or adopt or enforce a City law;
(ii) issue, deny, suspend or revoke any City permit, license, application, certification, approval, order or similar authorization or entitlement;
(iii) authorize City to enter into, modify or renew a contract;
(iv) grant City approval to a contract that requires City approval and to which City is a party, or to the specifications for such a contract;
(v) grant City approval to a plan, design, report, study or similar item;
(vi) adopt, or grant City approval of, policies, standards or guidelines for City or for any subdivision thereof.

B. Does not serve in a staff capacity with City and in that capacity, participate in making a governmental decision or otherwise perform the same or substantially the same duties for City that would otherwise be performed by an individual holding a position specified in City's Conflict of Interest Code under Government Code section 87302.

7.3 In the event City determines that Consultant must disclose its financial interests, Consultant shall complete and file a Fair Political Practices Commission Form 700, Statement of Economic Interests, with the City Clerk's office pursuant to the written instructions provided by the City Clerk.

ARTICLE 8 – GENERAL CONSIDERATIONS

8.1 In the event any action is commenced to enforce or interpret any of the terms or conditions of this Agreement the prevailing Party shall, in addition to any costs and other relief, be entitled to the recovery of its reasonable attorneys' fees, including fees for the use of in-house counsel by a Party.

8.2 Consultant shall not assign any of the Services, except with the prior written approval of City and in strict compliance with the terms and conditions of this Agreement. Any assignment or attempted assignment without such prior written consent may, in the sole discretion of City, result in City's immediate termination of this Agreement.

8.3 Consultant is for all purposes under this Agreement an independent contractor and shall perform the Services as an independent contractor. Neither City nor any its agents shall have control over the conduct of Consultant or Consultant's employees, except as herein set forth. Consultant shall supply all necessary tools and instrumentalities required to perform the Services. Assigned personnel employed by Consultant are for its account only, and in no event shall Consultant or personnel retained by it be deemed to have been employed by City or engaged by City for the account of, or on behalf of City. Consultant shall have no authority, express or implied, to act on behalf of City in any capacity whatsoever as an agent, nor shall Consultant have any authority, express or implied, to bind City to any obligation.

8.4 This Agreement may be terminated by City, in its sole discretion, by providing not less than five (5) days prior written notice to Consultant of City's intent to terminate. If this Agreement is terminated by City, an adjustment to Consultant's compensation shall be made, but (1) no amount shall be allowed for anticipated profit or unperformed Services, and (2) any payment due Consultant at the time of termination may be adjusted to the extent of any additional costs to City occasioned by any default by Consultant. Upon receipt of a termination notice, Consultant shall immediately discontinue its provision of the Services and, within five (5) days of the date of the termination notice, deliver or otherwise make available to City, copies (in both hard copy and electronic form, where applicable) of project related data, design calculations, drawings, specifications, reports, estimates, summaries and such other information and materials as may have been accumulated by Consultant in performing the Services. Consultant shall be compensated on a pro-rata basis for Services completed up to the date of termination.

8.5 Consultant shall maintain books, ledgers, invoices, accounts and other records and documents evidencing costs and expenses related to the Services for a period of three (3) years, or for any longer period required by law, from the date of final payment to Consultant pursuant to this Agreement. Such books shall be available at reasonable times for examination by City at the office of Consultant.

8.6 This Agreement, including the Exhibits incorporated herein by reference, represents the entire agreement and understanding between the Parties as to the matters contained herein, and any prior negotiations, written proposals or verbal agreements relating to such matters are superseded by this Agreement. Except as otherwise provided for herein, any amendment to this Agreement shall be in writing, approved by City and signed by City and Consultant.

8.7 This Agreement shall be governed by and construed in accordance with the laws of the State of California, without regard to its conflicts of laws provisions. The Parties agree that all actions or proceedings arising in connection with this Agreement shall be tried and

litigated only in the state courts located in San Bernardino County, California, and the federal courts located in Riverside County, California.

8.8 If one or more of the sentences, clauses, paragraphs or sections contained in this Agreement is declared invalid, void or unenforceable by a court of competent jurisdiction, the same shall be deemed severable from the remainder of this Agreement and shall not affect, impair or invalidate the remaining sentences, clauses, paragraphs or sections contained herein, unless to do so would deprive a Party of a material benefit of its bargain under this Agreement.

IN WITNESS WHEREOF, duly authorized representatives of City and Consultant have signed in confirmation of this Agreement.

CITY OF REDLANDS

By: _____
Eddie Tejeda, Mayor

LANDFILL GAS ENGINEERING INC.

By: _____
Salar Aliassar, CEO

ATTEST:

_____
Jeanne Donaldson, City Clerk

EXHIBIT "A"

SCOPE OF SERVICES

MONTHLY ROUTINE

Monthly Operational Trend Analysis and Reporting

The WWTF's operational status depends on various factors, including weather, pressure, and equipment operations. Recent City improvements, such as a treatment skid, aim to prioritize using raw digester gas for boilers to save on natural gas costs. Monthly data reviews by LFG Eng help establish ideal baselines, identify issues, and fine-tune the system, contributing to cost savings and efficient operations.

AS NEEDED NON-ROUTINE

On-Call Engineering and Field Support

The LFG Eng team is available 24 hours a day, 7 days a week to respond to any call out or support issues. Our team of engineers and field staff will be able to provide on-call engineering and troubleshooting support for all aspects of the WWTF operations. This includes, but is not limited to, the following items:

- Flare troubleshooting (blowers, thermocouple, UV Scanners, flame arrestor, safety shutdown valves)
- Programmable Logic Control (PLC) modifications (update to existing logic or additions of new parameters)
- Actuator Valve operations (controlling flow of DG to Flare)
- Treatment Skid operations (treatment vessels, blower, meters, and valve)
- Pressure Relief Systems for the Digesters
- Sensor / Instrumentation troubleshooting (Flow meters, pressure, or temperature transmitters, etc.)
- Permitting and Compliance (interface with regulatory agencies, completion of any necessary forms or reporting)

Projects

- Flare VFD Upgrade
    - Move existing equipment to new bucket. Install new VFD for 2nd blower to have true back up.
- Sensaphone Installation
    - Enable phone and text call outs and confirmations from combined flare alarms.
- New Flare Design Assistance
    - As needed engineering support for the new flare design or permitting.
- Finalize Design Set for Low Spot / Bypass project
    - Update and finalize tie-in location/sump details
- Quality Control Framework for New Flare & Condensate Management System
    - Set clear quality standards for the new flare and condensate management system.
    - Conduct thorough reviews of design documentation to identify and address issues.
- Supervisory Control and Data Acquisition (SCADA)
    - Assess current SCADA system functionality and limitations.

EXHIBIT "B"

Rate Schedule

LFG Engineering Inc.

2023-2024 Rate Schedule

Technical Director.....$183/Hr.

Project Manager..... $160/Hr.

Mechanical/Process Engineer .....$145/Hr.

Electrical /Control Engineer ..... $145/Hr.

Project Engineer.....$130/Hr.

Drafter (AutoCAD and ArcGIS) .....$120/Hr.

Field Technician..... $110/Hr.

EXHIBIT "C"

WORKERS' COMPENSATION INSURANCE CERTIFICATION

Every employer, except the State, shall secure the payment of compensation in one or more of the following ways:

(a) By being insured against liability to pay compensation by one or more insurers duly authorized to write compensation insurance in this State.

(b) By securing from the Director of Industrial Relations, a certificate of consent to self-insure, either as an individual employer, or as one employer in a group of employers, which may be given upon furnishing proof satisfactory to the Director of Industrial Relations of ability to self-insure and to pay any compensation that may become due to his or her employees.

CHECK ONE

_____I am aware of the provisions of Section 3700 of the Labor Code which requires every employer to be insured against liability for Workers' Compensation or to undertake self-insurance in accordance with the provisions of that Code, and I will comply with such provisions before commencing the performance of the work and activities required or permitted under this Agreement. (Labor Code §1861).

_____I affirm that at all times, in performing the work and activities required or permitted under this Agreement, I shall not employ any person in any manner such that I become subject to the workers' compensation laws of California. However, at any time, if I employ any person such that I become subject to the workers' compensation laws of California, immediately I shall provide the City with a certificate of consent to self-insure, or a certification of workers' compensation insurance.

I certify under penalty of perjury under the laws of the State of California that the information and representations made in this certificate are true and correct.

Landfill Gas Engineering Inc.

By:_____ Date: _____

Salar Aliassar, CEO

City Council Meeting **K. 3.**

DATE: 02/20/2024

TO: Honorable Mayor and City Council Members

SUBJECT: Consideration of an Agreement to sell 646 South Mountain Water Company shares to Yucaipa Valley Water District for $323,000 and determination that this action is exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act (Municipal Utilities and Engineering Director Harris)

MOTION(S):

If City Council determines the staff recommendation is appropriate, the following motions are provided:

1. I move that City Council determine that approval of the Stock Sale Agreement to sell 646 South Mountain Water Company shares to Yucaipa Valley Water District is exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act; and

2. City Council approve of a Stock Sale Agreement to sell 646 South Mountain Water Company shares to Yucaipa Valley Water District for a total sale price of $323,000.

RECOMMENDATION:

Staff recommends City Council determine that approval of the Stock Sale Agreement to sell 646 South Mountain Water Company shares to Yucaipa Valley Water District is exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act.

Staff further recommends City Council approval of a Stock Sale Agreement to sell 646 South Mountain Water Company shares to Yucaipa Valley Water District for a total sale price of $323,000.

DISCUSSION:

The City produces and distributes recycled water, drinking water, and non-potable water to more than 22,000 customers within the cities of Redlands and Loma Linda, and unincorporated areas within San Bernardino County. Water is typically produced from surface water diversions from the Santa Ana River and Mill Creek, and extractions from the Bunker Hill and Yucaipa groundwater basins. This water is either treated and disinfected at a City water treatment facility or at the wellhead site prior to distribution as drinking water, or is directly distributed for non-potable uses such as landscape irrigation.

The City owns shares in several local mutual water companies and well companies with various entitlements that provide access to raw surface and groundwater. One such company is the South Mountain Water Company (SMWC), which extracts water from the Yucaipa groundwater basin, a sub-basin of the Bunker Hill groundwater basin, through two (2) well sites located in the Yucaipa area. SMWC has issued 1,000 stock shares and the City owns 646 SMWC shares.

Until recently, two (2) City non-potable water customers located along Sand Canyon Road were the only individual users of water produced directly from the SMWC system and they received a combined total of approximately 150-175 acre-feet of water annually. The Dangermond Park Foundation (DPF) was one of those customers and now receives non-potable water from the SMWC system as a shareholder. The Yucaipa Sustainable Groundwater Management Agency recently imposed a 518 acre-feet annual extraction cap (based on a rolling 5-year average) on SMWC. In 2022, SMWC significantly exceeded this cap and extracted approximately 900 acre-feet, which reduces the volume of groundwater extraction for the next four (4) years in order to remain within the imposed cap. In 2023, SMWC also exceeded this cap and extracted approximately 550 acre-feet. Additionally, the City's Water Production staff operates and maintains the SMWC system at the direction of SMWC without reimbursement, which includes two (2) groundwater wells, a booster pump station, and approximately 3.5 miles of distribution piping. The City's super-majority share ownership position also obligates Redlands to absorb a significant portion of all direct financial costs associated with operating SMWC in the form of assessments. Due to this financial liability, concerns with SMWC's management of its water resources, and the small amount of water delivered to the City's only remaining non-potable water customer, it is no longer practical for the City to retain its SMWC shares.

In February 2023, the City Council authorized the City Manager or his designee to solicit purchase offers and terms for the sale of all or a portion of the City's SMWC shares. Following City Council's direction, staff first negotiated with the City's two (2) non-potable water customers that were receiving SMWC water. Crafton Hills Community College (CHCC) was not interested in acquiring any of

the City's SMWC shares and is pursuing a connection to the YVWD recycled water distribution system.

After conducting a thorough due diligence process, the DPF offered to purchase 250 of the City's SMWC shares for $500 per share, for a total purchase price of $125,000. City Council approved the sale on January 16, 2024. Soon after finalizing the DPF Stock Sale Agreement terms, MUED staff received an unsolicited proposal form YVWD to purchase the City's remaining SMWC shares. On January 16, 2024, City Council approved a Stock Sale Agreement to sell fifteen (15) SMWC shares to YVWD for $500 per share, for a total of $7,500, to allow YVWD to attend the 2024 SMWC Annual Stockholders Meeting while they finalize their due diligence effort. YVWD recently completed their due diligence effort and is now prepared to execute a Stock Sale Agreement for the City's remaining 646 SMWC shares for $500 per share, for a total of $323,000. Staff recommends City Council approval of a Stock Sale Agreement with YVWD that formalizes the transaction terms, which also requires YVWD to continue SMWC non-potable water service to CHCC until their landscape irrigation system is connected to the YVWD recycled water distribution system.

Approval of this Agreement is exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act since it can be seen with certainty that doing so has no possibility of causing a significant effect on the environment.

ALTERNATIVES:

City Council may deny the staff recommendation and provide alternate direction.

STRATEGIC PLAN:

N/A

SUBMITTED BY:
John R. Harris, Municipal Utilities and Engineering Director

RECOMMENDED BY:
Charles M. Duggan Jr., City Manager

REVIEWED BY:
Yvette M. Abich Garcia, City Attorney
Janice McConnell, Assistant City Manager
Danielle Garcia, Management Services/Finance Director

PREPARED BY:
John R. Harris, Municipal Utilities and Engineering Director

Fiscal Impact

Fiscal Year: FY 23/24

Revenue Generating: Y

Amount: $323,000

Discussion:

This transaction will generate $323,000 in un-budgeted revenue for the Water Fund.

Attachments

CHCC MOU

Stock Sale Agreement

MEMORANDUM OF UNDERSTANDING BETWEEN THE CITY OF REDLANDS AND THE SAN BERNARDINO COMMUNITY COLLEGE DISTRICT REGARDING FUNDING, DESIGN, INSTALLATION, AND OPERATION OF A NON-POTABLE IRRIGATION WATER SYSTEM AT CRAFTON HILLS COLLEGE

This **MEMORANDUM OF UNDERSTANDING** ("MOU") is hereby authorized this 15TH day of NOVEMBER, 2016, by and between the CITY OF REDLANDS, a public body and corporate and politic, on behalf of itself and the SAN BERNARDINO COMMUNITY COLLEGE DISTRICT (hereinafter referred to as the "College"; collectively, the City, District, and College are referred to as the "Parties"), and is made with reference to the funding and construction of a non-potable irrigation water system at Crafton Hills College (the "Non-Potable Water Project"):

RECITALS

WHEREAS, the City of Redlands is responsible for meeting the water demands for the College; and,

WHEREAS, the College desires to enhance their water supply services by connecting their irrigation system to the City's non-potable water supply located at the west entrance to the campus on Sand Canyon Road; and,

WHEREAS, the City of Redlands is willing to provide the said service in accordance with the applicable rules and ordinances regarding non-potable water service; and,

WHEREAS, the College desires to assist the City in obtaining their goal to reduce potable water consumption; and,

NOW THEREFORE the College and the City agree to pay for, design, and construct the non-potable water system as follows:

Section 1. Responsibilities of the Parties

City: The City is responsible to design and construct the non-potable water system from the existing point of connection on Sand Canyon Road to the meter located on the southeast corner of Campus Drive and Emerald View Drive (near Parking Lot A) including any necessary modifications or enhancements to existing pumping stations, equipment, piping, or facilities. Construction of the system shall include all necessary permits, utility investigation, demolition and removal, excavation, installation, compaction, inspections, and complete restoration of the affected areas.

In consideration for the City designing and constructing this portion of the system, the College shall reimburse the City up to $224,894.91.

Payment by College to City shall be made within thirty (30) days after College's receipt of City's invoice, by warrant payable to City.

College: The College is responsible for design and construction of the non-potable water system from the service side of the water meter to be located on the southeast corner of Campus Drive and Emerald View Drive (near Parking Lot A). Costs for this portion of the system are the responsibility of the College.

Section 2. System Capacity Requirements

Flow: The City shall design and construct equipment, facilities, and infrastructure necessary to supply a minimum of 540 gallons per minute.

No Guarantee of Service: The City will make a reasonable effort to maintain non-potable service to the College; however, service outages may periodically occur.

Time of Use: The City shall supply water to the College between the hours of 10:00pm and 10:00am unless otherwise coordinated with the City.

Section 3. Installation Standards

College shall design and construct a non-potable irrigation system with material and installation that conforms to the City of Redlands Municipal Water Division Standard Specifications.

Section 4. Schedule

The City shall commence installation, and construction upon execution of this agreement. The construction schedule shall be coordinated with College staff in such a manner to permit vehicular access to/from the campus during operating hours (7:00AM through 10:00PM, Monday through Friday) or otherwise as coordinated with College staff. On site construction shall be completed by January 13, 2017.

Section 5. Liability; Indemnification.

The College shall, to the fullest extent permitted by law, indemnify, defend, protect, and hold harmless the City of Redlands and its respective officers, board members, council members, representatives and agents, and their respective successors ("City Parties"), from and against any and all claims, responsibilities and/or liabilities for any costs, losses, liabilities, damages, expenses (including all reasonable out-of-pocket litigation costs and attorneys' fees) and demands of any nature whatsoever related directly or indirectly to, or arising out of or in connection with the design and construction of the non-potable water system, except to the extent caused by the sole negligence or willful misconduct of the City or the City Parties.

The City, including, but not limited to, the City's successors, shall, to the fullest extent permitted by law, indemnify, defend, protect, and hold harmless the College and its officers, board members, employees, representatives, and agents, and their respective successors ("College Parties"), from and against any and all claims, responsibilities and/or liabilities for any costs, losses, liabilities, damages, expenses (including all reasonable out-of-pocket litigation costs and attorneys' fees) and demands of any nature whatsoever related directly or indirectly to,

or arising out of or in connection with the design and construction of the non-potable water system, except to the extent caused by the sole negligence or willful misconduct of the College or the College Parties.

IN WITNESS WHEREOF, the Parties hereto have executed this Agreement on the day and year first above written.

Dated: 11/15, 2016.	**CITY OF REDLANDS** Signature: _____ Print Name: Paul W. Foster Title: Mayor ATTEST: Sam Irwin, City Clerk _____
Dated: 11/15, 2016.	**SAN BERNARDINO COMMUNITY COLLEGE DISTRICT** By: _____ Steve Sutorus, Business Manager

Stock Sale Agreement

This Stock Sale Agreement ("Agreement") is made and entered into as of February 20, 2024 ("Effective Date"), by and between the City of Redlands ("City") and the Yucaipa Valley Water District ("Buyer"). City and Buyer are sometimes collectively referred to in this Agreement as the "Parties" and individually as a "Party."

Recitals

WHEREAS, City is currently the registered owner of six-hundred forty-six (646) shares of common stock of the South Mountain Water Company ("SMWC"); and

WHEREAS, City has agreed to offer Buyer the opportunity to purchase six-hundred forty-six (646) shares of SMWC common stock (the "Purchased Shares"); and

WHEREAS, Buyer desires to exercise such opportunity to purchase the Purchased Shares from City, upon the terms and conditions and for the consideration set forth in this Agreement; and

WHEREAS, Crafton Hills Community College currently receives landscape irrigation water through the South Mountain Water Company system as a City customer; and

WHEREAS, Yucaipa Valley Water District has agreed to continue providing Crafton Hills Community College with landscape irrigation water through the South Mountain Water Company system until Crafton Hills Community College physically disconnects from the South Mountain Water Company system;

NOW, THEREFORE, in consideration of the mutual covenants herein contained, the Parties agree as follows:

Operative Provisions

1. Incorporation of Recitals. The Recitals set forth above are material and by this reference are incorporated herein and made a part of this Agreement.

2. Purchase and Sale of Shares. Subject to the terms and conditions of this Agreement, Buyer agrees to purchase at the Closing, defined below, and City agrees to sell the Purchased Shares for the purchase price of Three Hundred Twenty Three Thousand Dollars ($323,000.00) ("Purchase Price"), payable in immediately available funds at Closing.

3. Closing; Delivery.

(a) The purchase and sale of the Purchased Shares shall take place at 35 Cajon Street, Redlands, California 92373, five (5) days after City approves this Agreement, or at such other time and place as City and Buyer mutually agree upon, orally or in writing

(which time and place are designated as the "Closing"). City and Buyer currently expect and will use their best efforts to ensure that Closing will occur on or before February 29, 2024.

(b) At the Closing, Buyer shall deliver to City the full Purchase Price by wire transfer or other same day funds.

(c) At the Closing, City shall deliver to Buyer an originally executed Stock Assignment in the form attached hereto as Exhibit "A," and by this reference incorporated herein, relinquishing all right, title and interest in the Purchased Shares.

(d) City shall deliver to SMWC the following original stock certificates representing the Purchased Shares, endorsed by the City as transferred to Buyer or, in the alternative, for cancellation and issuance of a new certificate to Buyer representing the Purchased Shares in accordance with Article XI of the Bylaws of SMWC:

A230	18	SHARES	A312	4	SHARES
A234	7	SHARES	A317	10.5	SHARES
A237	24.5	SHARES	A325	5	SHARES
A243	29.75	SHARES	A337	0.5	SHARES
A245	32	SHARES	A344	2	SHARES
A257	2.25	SHARES	A357	2	SHARES
A264	10.5	SHARES	A358	5	SHARES
A274	28	SHARES	A363	2	SHARES
A276	32	SHARES	A384	3	SHARES
A284	29	SHARES	A389	2	SHARES
A287	14	SHARES	A397	11	SHARES
A288	25	SHARES	A382	5	SHARES
A292	3	SHARES	A402	2	SHARES
A301	30	SHARES	A441	2	SHARES
A303	21	SHARES	A446	284	SHARES

(e) City shall cause the transfer of the Purchased Shares, whether by endorsement of the above listed certificates of stock or their cancellation and issuance of a new certificate to Buyer representing the Purchased Shares, to be acknowledged on the books of SMWC in accordance with Articles XI and XII of the Bylaws of SMWC.

4. Representations, Warranties and Covenants of Seller. As a material inducement to the Buyer to enter into this Agreement and to consummate the transactions contemplated hereby, City represents and warrants to Buyer as follows:

(a) Authorization. This Agreement, when executed and delivered by City, shall constitute a valid and legally binding obligation of City, enforceable against City in accordance with its terms. The Purchased Shares are free and clear of all encumbrances, liens and pledges and City has the right to sell the Purchased Shares in accordance with the terms of this Agreement. City has all requisite power and authority to

enter into this Agreement and to perform the transactions contemplated hereby. This Agreement is a legal, valid and binding obligation of City, enforceable against City in accordance with its terms, except as limited by bankruptcy, insolvency or other laws affecting creditors' rights generally or by the availability of equitable remedies.

(b) Annual Assessments. City shall have paid all annual assessments for the Purchased Shares and respective share certificates as of the transfer date.

(c) Ownership of Shares of Company. City has full voting power and authority over the Purchased Shares, subject to no proxy, shareholders agreement, voting trust or other agreement or arrangement and has full right, power and authority to sell and deliver the Purchased Shares to Buyer in the manner provided for in this Agreement. Upon consummation of the transaction contemplated herein, City will transfer to Buyer good and valid title to all of the Purchased Shares, free and clear of any claim, lien, charge or encumbrance of any nature whatsoever, except the share legend.

(d) Effect of Closing. City acknowledges that as of the Closing and the sale of the Purchased Shares, City will have no right to share in any water rights of SMWC or receive any water service from SMWC associated with the Purchased Shares.

(e) Unless specifically contained in this Section 4, City makes no representation or warranty of any kind whatsoever, express or implied, with respect to either the transactions contemplated hereby or the condition (financial or otherwise) of, or any other matter involving, SMWC, City, any annual assessments or water delivery from and after the Closing Date, or the Purchased Shares.

5. Survival. The warranties, representations, and covenants of City shall survive the execution of the Agreement and the consummation of the purchase and sale of the Purchased Shares herein described for a period of twelve (12) months.

6. Miscellaneous Provisions.

(a) Non-assignability. Neither this Agreement, nor any interest herein, shall be assignable by Buyer without the prior written consent of City.

(b) Notices. All notices and other communications required or permitted to be given hereunder shall be in writing and shall be sent by First Class mail, postage prepaid, deposited in the United States mail in California, and if intended for either Party shall be addressed to the address provided below each Party's name on the signature page of this Agreement. Any Party, by written notice to the other Party, may change the address for notices to be delivered.

(c) Inurement. Subject to the restrictions against assignment set forth above, this Agreement shall insure to the benefit of, and shall be binding upon, the assigns, successors in interest, personal representatives, estates, heirs, and legatees of each of the Parties.

(d) Severability. If any provision of this Agreement is held by a court of competent jurisdiction to be invalid, void or unenforceable, the remaining provisions of this Agreement shall continue in full force and effect without being impaired or invalidated in any way and shall be construed in accordance with the purpose and intent of this Agreement.

(e) Entire Agreement. This Agreement contains the entire agreement of the Parties, and supersedes any prior written or oral agreement between them concerning the subject matter contained herein. There are no representations, agreements, arrangements, or understandings, oral or written, between and among the Parties, relating to the subject matter contained in this Agreement, which are not fully expressed herein.

(f) Counterparts. This Agreement may be executed in one or more counterparts, each of which shall be an original, but all of which together shall be deemed to be one and the same instrument.

(g) Governing Law. All questions with respect to the construction of this Agreement, and the rights and liabilities of the Parties, shall be governed by the laws of the State of California.

(h) Attorneys' Fees. If any action or proceeding is brought for the enforcement of this Agreement, or because of an alleged dispute, breach, default, or misrepresentation in connection with any of the provisions of this Agreement, the successful or prevailing Party in such action or proceeding shall be entitled to recover reasonable attorneys' fees and other costs incurred in that action or proceeding, including fees for a Party's use of in-house counsel, in addition to any other relief to which such Party may be entitled.

(i) Indemnification. From and after the Closing, Buyer shall indemnify, defend and hold harmless City and its successors and assigns against and from any and all claims, damages or liability sustained or incurred by City resulting from or arising out of or relating to the Purchased Shares with respect to periods subsequent to the Closing. From and after the Closing, City shall indemnify, defend and hold harmless Buyer and its successors and assigns against and from any and all claims, damages or liability sustained or incurred by Buyer resulting from or arising out of or relating to any failure to pay assessments with respect to the Purchased Shares for periods prior to the Closing.

[signature page follows]

IN WITNESS WHEREOF, the undersigned have executed this Agreement as of the date first set forth above.

BUYER

Yucaipa Valley Water District

By:_____

Name: Joseph Zoba

Title: General Manager

Address: 12770 2nd Street
Yucaipa, CA 92399

CITY OF REDLANDS

By: _____
Eddie Tejeda, Mayor

Address: 35 Cajon Street
Redlands, CA 92373

ATTEST:

By: _____
Jeanne Donaldson, City Clerk

Exhibit "A"
STOCK ASSIGNMENT

ASSIGNMENT SEPARATE FROM SHARE CERTIFICATE

The undersigned, hereby assigns and transfers to the Yucaipa Valley Water District, Six-Hundred Forty-Six (646) shares of common stock of South Mountain Water Company ("SMWC"), standing in the name of the City of Redlands, on the books of SMWC and represented by Stock Certificate Numbers:

A230	18	SHARES	A312	4	SHARES
A234	7	SHARES	A317	10.5	SHARES
A237	24.5	SHARES	A325	5	SHARES
A243	29.75	SHARES	A337	0.5	SHARES
A245	32	SHARES	A344	2	SHARES
A257	2.25	SHARES	A357	2	SHARES
A264	10.5	SHARES	A358	5	SHARES
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A276	32	SHARES	A384	3	SHARES
A284	29	SHARES	A389	2	SHARES
A287	14	SHARES	A397	11	SHARES
A288	25	SHARES	A382	5	SHARES
A292	3	SHARES	A402	2	SHARES
A301	30	SHARES	A441	2	SHARES
A303	21	SHARES	A446	284	SHARES

Dated: _____

City of Redlands

By:_____

Name: Eddie Tejeda

Title: Mayor

Address: 35 Cajon Street

Redlands, CA 92373

City Council Meeting **K. 4.**

DATE: 02/20/2024

TO: Honorable Mayor and City Council Members

SUBJECT: Consideration of the Public Work Contract with Elegant Construction, Inc., for the Redlands Fire Station No.262 Remodel Project, for an amount not-to-exceed $2,160,000, and determination that the project is exempt from environmental review pursuant to Section 15301(d) of the State's guidelines implementing the California Environmental Quality Act (Assistant City Manager Boatman)

MOTION(S):

If the City Council determines that staff's recommendation is appropriate, the following motions are provided:

1. I move that the City Council determine that approval of a Public Work Contract with Elegant Construction, Inc. for the Redlands Fire Station No.262 Remodel Project is exempt from environmental review pursuant to Section 15301(d) of the State's guidelines implementing the California Environmental Quality Act; and

2. I move that the City Council approve an award of a Public Work Contract to Elegant Construction, Inc. in the amount of $2,160,000 for the Redlands Fire Station No.262 Remodel Project.

RECOMMENDATION:

Staff recommends that City Council determine that approval of the Public Work Contract is categorically exempt from environmental review in accordance with Section 15301(d) of the State's guidelines implementing the California Environmental Quality Act. Staff further recommends that the City Council approve an award of contract with Elegant Construction, Inc., for an amount not-to-exceed $2,160,000 for the Redlands Fire Station No.262 Remodel Project No. FCS11072023JN.

DISCUSSION:

The Redlands Fire Department oversees operations at four fire stations throughout the city. Fire Station 262, located at 1690 Garden Street, was originally built in 1965, serving as a vital hub in ensuring the safety and well-being of the community.

The scope of the project includes the construction of new spaces and the remodeling of certain areas within the existing 3,683 SF one-story building and new additions consisting of a fitness room and six crew dormitories. Site improvements consist of CMU retaining walls, tube steel fencing, a crew parking area, and landscaping.

PBK Architects prepared plans and specifications and city staff advertised a bid request for the project on November 14, 2023. As a result, on December 7, 2023, the City Clerk's office received and opened eleven bids. The bids were reviewed by staff to determine if they were responsive to bid requirements. Based on the attached bid analysis, Elegant Construction, Inc. is the lowest responsive and responsible bidder. Therefore, it is recommended that the City Council award a Public Work Construction Contract to Elegant Construction, Inc. for an amount not-to-exceed $2,160,000.

The following eleven (11) Project bids were received before the submittal deadline:

BID OPENING REPORT SUMMARY	
BIDDER	**BID AMOUNT**
1. Elegant Construction Inc.	$2,160,000.00
2. CABD Construction Inc.	$2,200,000.00
3. Armstrong Cal Builders Inc.	$2,262,000.00
4. Corner Keystone Construction Corp.	$2,277,000.00
5. Wakeco Inc.	$2,330,000.00
6. Tovey Shultz Construction Inc.	$2,358,589.00
7. Robert Clapper Construction Inc.	$2,622,000.00
8. Caltec Corp.	$3,000,000.00
9. Royal Construction Corp.	$3,398,000.00
10. R Dependable Construction Inc.	*$3,418,000.00
11. IPI Construction	**$3,507,249.00

*The bidder was determined nonresponsive because the Bid Certification was not submitted with the bid package.
**The bidder was determined nonresponsive because Bid Item #2 was not provided.

Furthermore, the project is categorically exempt from environmental review in accordance with Section 15301(d) of the State's guidelines implementing the California Environmental Quality Act (CEQA) as the project involves restoration and renovation of existing facilities.

ALTERNATIVES:

The City Council may elect not to approve the award of the Public Work Contract and direct staff accordingly.

STRATEGIC PLAN:

The project supports Strategic Plan Priority B, Strategic Objective 3.

SUBMITTED BY:
Christopher Boatman, Assistant City Manager

RECOMMENDED BY:
Charles M. Duggan Jr., City Manager

REVIEWED BY:
Yvette M. Abich Garcia, City Attorney
Janice McConnell, Assistant City Manager
Danielle Garcia, Management Services/Finance Director

PREPARED BY:
Jawad Naderi, Associate Engineer

Fiscal Impact

Fiscal Year:	FY 2022-23
Revenue Generating:	N
Appropriation Required Y/N:	N
Budgeted Y/N:	Y
Account No.:	Multiple
Discussion:	

There is currently $2,376,000 in funds available in the FY22/23 Fire Suppression and Emergency Preparedness Division budget for this project. The total cost of the project will be $2,376,000 ($2,160,000 plus a 10% contingency of $216,000).

Attachments

Public Work Contract
Bid Opening Report
Bid Analysis

PUBLIC WORK CONSTRUCTION CONTRACT

This Public Work Construction contract ("Contract") is made and entered into this 20th day of February, 2024, by and between the City of Redlands, a municipal corporation, organized and existing under the laws of the State of California (hereinafter "City"), and Elegant Construction Inc. a California corporation (hereinafter "Contractor"). City and Contractor are sometimes individually referred to herein as a "Party" and, together, as the "Parties."

In consideration of the mutual promises contained herein, City and Contractor agree as follows:

1. **SCOPE OF WORK:** Contractor shall furnish all materials and will perform all of the work for the following: Redlands Fire Station No. 262 Remodel Project, FCS11072023JN, complete all items as required by the Contract Documents (as herein defined) and Specifications for City's Redlands Fire Station No.262 Remodel Project, FCS11072023JN (the "Work").

2. **CONTRACT SUM:** City shall pay Contractor the sum of two million one hundred sixty thousand dollars ($2,160,000) as consideration for its performance of the Work in accordance with the terms and conditions set forth in the Contract Documents. Pursuant to Public Contract Code Section 22300, Contractor has the option to deposit securities with an escrow agent as a substitute for retention of earnings required to be withheld by City pursuant to an escrow agreement as set forth in Public Contract Code section 22300.

3. **TIME FOR COMPLETION:** The Work shall be completed within one hundred eighty (180) working day(s) as defined in Section 1-2 of the Standard Specifications for Public Works Construction "Greenbook" from and after the date of City's issuance of a Notice to Proceed to Contractor.

4. **LIQUIDATED DAMAGES:** Contractor's failure to complete the Work within the time allowed will result in damages being sustained by City. Such damages are, and will continue to be, impracticable and extremely difficult to determine. Accordingly, Contractor shall pay to City, or have withheld from monies due to Contractor, the sum of five hundred dollars ($500) for each working day as defined in Section 1-2 of the Standard Specifications for Public Works Construction "Greenbook" in excess of the specified time for completion of the Work. Execution of this Contract shall constitute agreement by City and Contractor that five hundred dollars ($500) per day is the estimated damage to City caused by the failure of Contractor to complete the work within the allowed time. Such sum is liquidated damages and shall not be construed as a penalty and may be deducted from payments due Contractor if such delay occurs.

5. **CONTRACT DOCUMENTS:** This Contract incorporates by reference the following: Notice Inviting Bids, Instructions to Bidders, Contractor's Proposal, Bid Bond, Agreement, Performance Bond, Labor and Material Bond, Plans, General Conditions, Special Provisions and Specifications, and any addenda thereto (collectively, the "Contract Documents").

6. **ATTORNEYS' FEES:** In the event any action is commenced to enforce or interpret the terms or conditions of this Contract, or the Contract Documents, the prevailing Party in such action, in

addition to any costs and other relief, shall be entitled to recover its reasonable attorneys' fees, including fees for use of in-house counsel by a Party.

7. **RESOLUTION OF CONSTRUCTION CLAIMS:** Claims by Contractor in the amount of three hundred seventy five thousand dollars ($375,000) or less shall be made by Contractor and processed by the City pursuant to the provisions of Part 3, Chapter 1, Article 1.5 of the Public Contract Code (commencing with Section 20104). All claims shall be in writing and include the documents necessary to substantiate the claim. Nothing in subdivision (a) of Public Contract Code Section 20104.2 shall extend the time limit or supersede the notice requirements provided in this case from filing claims by Contractor.

8. ELIGIBILITY OF CONTRACTOR/SUBCONTRACTOR: Contractor and all of its subcontractors shall abide by California Public Contract Code, Section 6109, and California Labor Code Sections 1777.1 and/or 1777.7, and certify that they are not debarred and are eligible to work on this project.

9. ASSIGNMENT OF AGREEMENT: No assignment by a Party of any rights or interests under this Contract shall be binding on another Party without the written consent of the Party sought to be bound.

10. SUCCESSORS AND ASSIGNS: City and Contractor each binds itself and their respective successors and assigns in respect to all covenants, agreements, and obligations contained in the Contract Documents.

11. SEVERABILITY: Any provision or part of the Contract Documents held to be void or unenforceable under any law or regulation shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon City and Contractor.

IN WITNESS WHEREOF, the Parties hereto have executed this Contract the day and year first written above.

CITY OF REDLANDS

(SEAL)

By:_____
Eddie Tejeda, Mayor

ATTEST:

_____
Jeanne Donaldson, City Clerk

(SEAL)

Samer Al Hakim_____
Name of Contractor

By:_____
Signature of Authorized Agent

President_____
Title

_____
Signature of Authorized Agent (if necessary)

_____
Title

1053447
_____
Contractor's License No.

WORKER'S COMPENSATION INSURANCE CERTIFICATION

Description of Contract: City of Redlands
Facilities and Community Services Department
Redlands Fire Station No.262 Remodel Project
Project No. FCS11072023JN

Every employer, except the State, shall secure the payment of compensation in one or more of the following ways:

a. By being insured against liability to pay compensation by one or more insurers duly authorized to write compensation insurance in this State.
b. By securing from the Director of Industrial Relations, a certificate of consent to self-insure, either as an individual employer, or as one employer in a group of employers, which may be given upon furnishing proof satisfactory to the Director of Industrial Relations of ability to self-insure and to pay any compensation that may become due to his or her employees.

CHECK ONE

_____I am aware of the provisions of Section 3700 of the Labor Code which requires every employer to be insured against liability for Workers' Compensation or to undertake self-insurance in accordance with the provisions of that Code, and I will comply with such provisions before commencing the performance of the work and activities required or permitted under this Agreement. (Labor Code §1861).

_____I affirm that at all times, in performing the work and activities required or permitted under this Agreement, I shall not employ any person in any manner such that I become subject to the workers' compensation laws of California. However, at any time, if I employ any person such that I become subject to the workers' compensation laws of California, immediately I shall provide the City with a certificate of consent to self-insure, or a certification of workers' compensation insurance.

I certify under penalty of perjury under the laws of the State of California that the information and representations made in this certificate are true and correct.

Dated this _____ day of _____, 2024.

Elegant Construction Inc. _____
(Contractor)

_____
(Signature)

President _____
(Official Title)

(SEAL)

(Labor Code Section 1861 provides that the above certificate must be signed and filed by the Contractor with the Owner prior to performing the work of the contract.)

FAITHFUL PERFORMANCE BOND

Whereas, the City of Redlands ("City"), State of California, and Elegant Construction Inc. (hereinafter designated as "Principal") have entered into an agreement dated February 20th, 2024 ("Agreement") whereby Principal agrees to install and complete certain public improvements (the "Work"), which said Agreement is identified as Redlands Fire Station No.262 Remodel Project and is hereby referred to and made a part hereof; and

Whereas, said Principal is required under the terms of the Agreement to furnish a bond for the faithful performance of the Work, now, therefore, we, the Principal and, _____, as Surety, are held and firmly bound unto the City in the penal sum of two million one hundred sixty thousand dollars ($2,160,000) lawful money of the United States, for the payment of which sum we bind ourselves, and our heirs, successors, executors and administrators, jointly and severally, firmly by these presents.

The condition of this obligation is such that if the above bounded Principal, his or its heirs, executors, administrators, successors or assigns, shall in all things stand to and abide by, and well and truly keep and perform the covenants, conditions and provisions in the Agreement and any alteration thereof made as therein provided, on his or its part, to be kept and performed at the time and in the manner therein specified, and in all respects according to their true intent and meaning, and shall faithfully fulfill the one-year guarantee of all materials and workmanship, and shall defend, indemnify and save harmless the City and its elected officials, officers, agents and employees, as therein stipulated, then this obligation shall become null and void; otherwise it shall be and remain in full force and effect.

As a part of the obligation secured hereby and in addition to the face amount specified therefor, there shall be included costs and reasonable expenses and fees, including reasonable attorneys' fees, incurred by the City in successfully enforcing such obligations, all to be taxed as costs and included in the judgment rendered.

As a condition precedent to the satisfactory completion of the Work, the above obligation shall hold good for a period of one (1) year or longer if required by the Agreement after the acceptance of the work by the City, during which time if the Principal shall fail to make full, complete, and satisfactory repair and replacements and totally protect the City from loss or damage made evident during this period from the date of completion of the Work, and resulting from or caused by defective materials or faulty workmanship, the above obligation in penal sum thereof shall remain in full force and effect. The obligations of Surety hereunder shall continue so long as any obligation of the Principal remains.

Whenever the Principal shall be, and is declared by the City to be, in default under the Agreement, the City having performed the City obligations thereunder, the Surety shall promptly remedy the default, or shall promptly, at the City's option:

1. Complete the Work in accordance with its terms and conditions; or

2. Obtain a bid or bids for completing the Work in accordance with its terms and

conditions, and upon determination by Surety of the lowest responsive and responsible bidder, arrange for a contract between such bidder and the City, and make available as work progresses sufficient funds to pay the cost of completion of the Work less the balance of the Agreement price, but not exceeding, including other costs and damages for which Surety may be liable hereunder, the amount set forth above. The term "balance of the Agreement price," as used in this paragraph, shall mean the total amount payable to the Principal by the City under the Agreement and any modifications thereto, less the amount previously properly paid by the City to the Principal.

Surety expressly agrees that the City may reject any contractor or subcontractor which may be proposed by Surety in fulfillment of its obligations in the event of default by the Principal.

Surety shall not utilize the Principal in completing the Work nor shall Surety accept a bid from the Principal for completion of the Work if the City, when declaring the Principal in default, notifies Surety of the City's objection to the Principal's further participation in the completion of the Work.

No right of action shall accrue on the bond to or for the use of any person or corporation other than the City named herein or the successors or assigns of the City. Any suit under this bond must be instituted within the applicable statute of limitations period.

The said Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Agreement or to the work to be performed thereunder or the Specifications accompanying the same shall in any way affect its obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the Agreement or to the work or to the specifications.

No final settlement between the City and the Principal shall abridge the right of any beneficiary hereunder whose claim may be unsatisfied.

The Principal and Surety agree that if the City is required to engage the services of any attorney in connection with the enforcement of this bond, each shall pay the City's reasonable attorneys' fees incurred, with or without suit, in addition to the above sum.

In witness whereof, this instrument has been duly executed by the Principal and Surety above named, on _____, 2024.

(SEAL)	(SEAL)
_____	_____
(Contractor)	(Surety)
_____	BY: _____
(Signature)	(Signature)
	Address:_____
	_____
(Seal and Notarial Acknowledgment of Surety)	Telephone ( )_____

LABOR AND MATERIAL BOND

Whereas, the City Council of the City of Redlands, State of California, and Elegant Construction Inc. (hereinafter designated as "Principal") have entered into an agreement (the "Agreement") whereby Principal agrees to install and complete certain designated public improvements (the "Work"), which said agreement, dated February 20th, 2024, and identified as Redlands Fire Station No.262 Remodel Project, FCS11072023JN is hereby referred to and made a part hereof; and

Whereas, under the terms of the Agreement, Principal is required before commending the performance of the Work, to file a good and sufficient Labor and Material bond with the City of Redlands to secure the claims to which reference is made in Title 3 (commencing with Section 9550) of Part 6 of Division 4 of the Civil Code of the State of California.

Now, therefore, said Principal and the undersigned as corporate surety, are held firmly bound unto the City and all contractors, subcontractors, laborers, material men and other persons employed in the performance of the Agreement and referred to in the aforesaid Code of Civil Procedure in the sum of two million one hundred sixty thousand dollars ($2,160,000) for materials furnished or labor thereon of any kind, or for amounts due under the Unemployment Insurance Act with respect to such work or labor, that said surety will pay the same in an amount not exceeding the amount hereinabove set forth, and also in case suit is brought upon this bond, will pay, in addition to the face amount thereof, costs and reasonable expenses and fees, including reasonable attorneys' fees, incurred by the City in successfully enforcing such obligation, to be awarded and fixed by the court, and to be taxed as costs and to be included in the judgment therein rendered.

It is hereby expressly stipulated and agreed that this bond shall insure to the benefit of any and all persons, companies and corporations entitled to file claims under Title 3 (commencing with Section 9550) of Part 6 of Division 4 of the Civil Code, so as to give a right of action to them or their assigns in any suit brought upon this bond.

Should the condition of this bond be fully performed, then this obligation shall become null and void, otherwise it shall be and remain in full force and effect.

The surety hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Agreement or the specifications accompanying the same shall in any manner affect its obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition.

In witness whereof, this instrument has been duly executed by the Principal and surety above named, on _____, 2024.

(SEAL)	(SEAL)
_____	_____
(Contractor)	(Surety)
_____	BY: _____
(Signature)	(Signature)
	Address: _____
(Seal and Notarial Acknowledgement of Surety)	_____
	Telephone: ( ) _____

CITY OF REDLANDS
OFFICE OF THE CITY CLERK
REVISED BID OPENING REPORT

The following bids were opened on the **7th day of December 2023 at 3:00 p.m.** on behalf of the Facilities and Community Services Department for **Redlands Fire Station 262 Remodel Project – Project No. FCS11072023JN**. The bid amounts have not been checked and are subject to correction after the bids have been completely reviewed.

No.	Plan Holder's Name	Bid Signed	Bid Bond	Addenda Acknowledged (1)	Total Bid Amount
1	Elegant Construction Inc., Irvine CA	Yes	Yes	1 acknowledged	$2,160,000.00
2	CABD Construction Inc., Sun Valley CA	Yes	Yes	1 acknowledged	$2,200,000.00
3	Armstrong Cal Builders, Inc., Signal Hill CA	Yes	Yes	1 acknowledged	$2,262,000.00
4	Corner Keystone Construction Corp., Covina CA	Yes	Yes	1 acknowledged	$2,277,000.00
5	Wakeco Inc., Temecula CA	Yes	Yes	1 acknowledged	$2,330,000.00
6	Tovey/Shultz Construction, Inc., Lake Elsinore CA	Yes	Yes	1 acknowledged	$2,358,589.00
7	Robert Clapper Construction Services, Redlands CA	Yes	Yes	1 acknowledged	$2,622,000.00
8	Caltec Corp., Westminster CA	Yes	Yes	1 acknowledged	$3,000,000.00
9	Royal Construction Corp., Arcadia CA	Yes	Yes	1 acknowledged	$3,398,000.00
10	R-Dependable Construction Inc., San Bernardino CA	Yes	Yes	1 acknowledged	$3,418,000.00
11	IPI Construction, Panorama City CA	Yes	Yes	1 acknowledged	$3,507,249.00

Jeanne Donaldson, City Clerk
City of Redlands, California

Emailed: Councilmembers,
City Manager, PIO, Press
Department Head: Tabithia Crocker
Staff: Jawad Naderi

CITY OF REDLANDS
FACILITIES AND COMMUNITY SERVICES DEPARTMENT
BID ANALYSIS

PROJECT NO.FCS11072023JN — BID DATE: 7-Dec-2023
REDLANDS FIRE STATION NO.262 REMODEL PROJECT — EST. START DATE: 1-Mar-2024

Item No.	Bid Item	Quantity	Unit	Elegant Construction Inc.		CABD Construction Inc.		Armstrong Cal Builders Inc.	
				Unit Price	Item Price	Unit Price	Item Price	Unit Price	Item Price
1	Installation per plans (220122_Bid Set)	1	LS	$2,100,000.00	$2,100,000.00	$2,140,000.00	$2,140,000.00	$2,202,000.00	$2,202,000.00
2	Allowance, per revised Section 012000-R of Project Manual	1	LS	$60,000.00	$60,000.00	$60,000.00	$60,000.00	$60,000.00	$60,000.00
	Total Bid Schedule				**$2,160,000.00**		**$2,200,000.00**		**$2,262,000.00**

CITY OF REDLANDS
FACILITIES AND COMMUNITY SERVICES DEPARTMENT
BID ANALYSIS

PROJECT NO.FCS11072023JN — BID DATE: 7-Dec-2023
REDLANDS FIRE STATION NO.262 REMODEL PROJECT — EST. START DATE: 1-Mar-2024

Item No.	Bid Item	Quantity	Unit	Corner Keystone Construction Corp.		Wakeco Inc.		Tovey Shultz Construction Inc.	
				Unit Price	Item Price	Unit Price	Item Price	Unit Price	Item Price
1	Installation per plans (220122_Bid Set)	1	LS	$2,217,000.00	$2,217,000.00	$2,270,000.00	$2,270,000.00	$2,298,589.00	$2,298,589.00
2	Allowance, per revised Section 012000-R of Project Manual	1	LS	$60,000.00	$60,000.00	$60,000.00	$60,000.00	$60,000.00	$60,000.00
			Total Bid Schedule		**$2,277,000.00**		**$2,330,000.00**		**$2,358,589.00**

CITY OF REDLANDS
FACILITIES AND COMMUNITY SERVICES DEPARTMENT
BID ANALYSIS

PROJECT NO.FCS11072023JN — BID DATE: 7-Dec-2023
REDLANDS FIRE STATION NO.262 REMODEL PROJECT — EST. START DATE: 1-Mar-2024

Item No.	Bid Item	Quantity	Unit	Robert Clapper Construction Inc		Caltec Corp.		Royal Construction Corp.	
				Unit Price	Item Price	Unit Price	Item Price	Unit Price	Item Price
1	Installation per plans (220122_Bid Set)	1	LS	$2,562,000.00	$2,562,000.00	$2,940,000.00	$2,940,000.00	$3,338,000.00	$3,338,000.00
2	Allowance, per revised Section 012000-R of Project Manual	1	LS	$60,000.00	$60,000.00	$60,000.00	$60,000.00	$60,000.00	$60,000.00
	Total Bid Schedule				**$2,622,000.00**		**$3,000,000.00**		**$3,398,000.00**

CITY OF REDLANDS
FACILITIES AND COMMUNITY SERVICES DEPARTMENT
BID ANALYSIS

PROJECT NO.FCS11072023JN — BID DATE: 7-Dec-2023
REDLANDS FIRE STATION NO.262 REMODEL PROJECT — EST. START DATE: 1-Mar-2024

Item No.	Bid Item	Quantity	Unit	R Dependable Construction Inc.		IPI Construction	
				Unit Price	Item Price	Unit Price	Item Price
1	Installation per plans (220122_Bid Set)	1	LS	$3,358,000.00	$3,358,000.00	$3,507,249.00	$3,507,249.00
2	Allowance, per revised Section 012000-R of Project Manual	1	LS	$60,000.00	$60,000.00	$0.00	$0.00
	Total Bid Schedule				**$3,418,000.00**		**$3,507,249.00**

Bid Item 2 was not provided

City Council Meeting **K. 5.**

DATE: 02/20/2024

TO: Honorable Mayor and City Council Members

SUBJECT: Consideration of the Intergovernmental/Piggy-back Cooperative Agreement with West Coast Arborists, Inc. and related Non-Professional Services for Improvement to Public Buildings and Grounds Agreement to provide tree maintenance and arboricultural services for a total amount not to exceed $3,600,000 (Facilities and Community Services Department Director Crocker)

MOTION(S):

If the City Council determines that staff's recommendation is appropriate, the following motion is provided:

I move to approve the Intergovernmental/Piggy-back Cooperative Agreement with West Coast Arborists, Inc. and related Non-Professional Services for Improvement to Public Buildings and Grounds Agreement to provide tree maintenance and arboricultural services for a three-year term for an amount not to exceed $3,600,000.

RECOMMENDATION:

Staff recommends that the City Council approve an Intergovernmental Piggy-back Cooperative Agreement purchase order and related Non-Professional Services for Improvement to Public Buildings and Grounds Agreement with West Coast Arborists, Inc., to provide tree maintenance and arboricultural services for an initial three-year term for an amount not to exceed $3,600,000.

DISCUSSION:

The City's Facilities and Community Services Department is responsible for the maintenance and care of an urban forest that encompasses approximately 43,000 trees. The care and maintenance of the city's urban forest sustains the overall health and vitality of these trees, one of our most valuable assets.

In Fiscal Year 2020-2021, staff prepared a Request for Bid, and on September 29, 2020, the City Clerk received and opened four bids. Staff evaluated the bids and West Coast Arborists, Inc (WCA) met the bidding requirements and was the selected contractor for the annual tree trimming and arboricultural services. The current contract term is ending and prior to preparing a Request for Bid, staff were able to secure comparable contract terms, by way of opting to "piggy-back" off an existing maintenance contract between WCA and the City of Claremont.

The contract was approved by the City of Claremont's City Council on June 13, 2023 with an initial three-year term, with two additional one-year terms for a total of five years. The City of Claremont's contract includes a purchasing provision that states "any other public agency shall have the option to participate in any award made as a result of this solicitation at the same prices."

Staff is recommending to award a piggy-back contract with WCA for an amount not to exceed $3,600,000. This is based off $1.2 million per year. Award of this piggy-back contract will mitigate the City from potential inflationary impacts by providing fixed operation pricing and cost certainty through February 2027. Additionally, the recommended contract terms will enable the City to maintain its current level of tree service and tree trimming scheduling.

Under the proposed extension, WCA will continue to proactively prune 7,000 to 9,000 trees per year, supporting a 5-7 year pruning cycle for street and park trees. In addition to scheduled citywide pruning activities, WCA facilitates reforestation efforts, provides as-needed support for emergencies and/or tree removals, administers field inventory for all city-owned and maintained trees, and provides the organization with a web-based system that tracks work orders, project budgets, and tree maintenance history.

ALTERNATIVES:

City Council may choose to reject the request of the Intergovernmental/Piggy-back Cooperative Agreement with West Coast Arborists, Inc. and related Non-Professional Services for Improvement to Public Buildings and Grounds Agreement.

STRATEGIC PLAN:

Strategic Priority D - Sustainability

SUBMITTED BY:
Tabitha Crocker, Facilities and Community Services Department Director

RECOMMENDED BY:
Charles M. Duggan Jr., City Manager

REVIEWED BY:
Yvette M. Abich Garcia, City Attorney
Janice McConnell, Assistant City Manager
Christopher Boatman, Assistant City Manager
Danielle Garcia, Management Services/Finance Director

PREPARED BY:
Jocelynn Butters, Sr. Administrative Assistant

Fiscal Impact

Fiscal Year:	FY 23/24
Revenue Generating:	N/A
Appropriation Required Y/N:	NO
Amount:	$1,200,000
Budgeted Y/N:	YES
Account No.:	101305

Discussion:

Funding for the tree maintenance service is included in the Street Tree operating budget (101305) for FY 2023-24 as approved by City Council .

Attachments

Cooperative_and_Intergovernmental_Piggyback
WCA Agreement
City of Claremont Agreement
Price Sheet

Intergovernmental/ Piggyback Contract Use Request

(Attach to PR form)

The Facilities & Community Servi Department requests the purchase of the following item(s) from:

Original Contracting Entity: City of Claremont, California
Contract#: Request for Proposal via PlanetBids March 2023
Contract Term: February 6, 2023 to February 6, 2029; 3 year term.
Method of original contract award: ☑ Competitive ☐ Non-Competitive, based on: ☐ Preferred source ☐ Sole ☐ Single source ☐ Emergency ☐ Other:
Does the original contract contain language contemplating contract extension to additional users? ☑ Yes ☐ No

Please attach: vendor agreement to sale to the City AND Entity agreement/contract language allowing Piggyback

Description of Product/Service intend to acquire	Unit Price	Total
Agreement for tree maintenance and arboricultural services		$ 3,600,000.00
for an initial 3 year term.		
Tax		
	Grand Total	$ 3,600,000.00

Vendor:	West Coast Arborist, Inc
Contact:	Victor Gonzalez, VP
Address 1:	2200 E Via Burton Ave
Address 2:	
City/State/Zip:	Anaheim, CA 92806
Telephone:	714-991-1900
Fax:	714-956-3745
Web/E-Mail:	vgonzalez@wcainc.com

Delivery/Service Location	
Contact:	Facilities & Comm Svcs
Telephone:	909-798-7655
Department:	FCS
Address 1:	35 Cajon St #222
Address 2:	
Additional Comments	

Purchasing Agent Approval: _____ Date: _____

City Manager Approval: _____ Date: _____

AGREEMENT TO PERFORM NON-PROFESSIONAL SERVICES
FOR IMPROVEMENT TO PUBLIC BUILDINGS AND GROUNDS

This agreement for the provision of city tree trimming and arboriculture services ("Agreement") is made and entered in this 20th day of February, 2024 ("Effective Date"), by and between the City of Redlands, a municipal corporation ("City") and West Coast Arborists, Inc. a California corporation ("Contractor"). City and Contractor are sometimes individually referred to herein as a "Party" and, together, as the "Parties." In consideration of the mutual promises contained herein, City and Contractor agree as follows:

ARTICLE 1 – ENGAGEMENT OF CONTRACTOR

1.1 City hereby engages Contractor to perform tree trimming, removing, planting, special tree projects and consulting services for City (the "Services"). The Services that Contractor shall perform are more particularly described in Exhibit "A," titled "Scope of Services," which is attached hereto and incorporated herein by this reference.

1.2 The Services shall be performed by Contractor in a professional manner, and Contractor represents that it has the skill and the professional expertise necessary to provide the Services to City at a level of competency presently maintained by other practicing professional Contractors in the industry providing like and similar types of Services.

ARTICLE 2 – RESPONSIBILITIES OF CONTRACTOR

2.1 Contractor shall comply with all applicable federal, state, and local laws and regulations in the performance of the Services including, but not limited, to all applicable Labor Code and prevailing wage laws and non-discrimination laws, including the Americans with Disabilities Act. Pursuant to Labor Code section 1773.2, copies of the prevailing rates of per diem wages as determined by the Director of the California Department of Industrial Relations for each craft, classification or type of worker needed to undertake the Services are on file at City's Municipal Utilities and Engineering Department, located at the Civic Center, 35 Cajon Street, Suite 15A (Mailing: P.O. Box 3005), Redlands, California 92373.

2.2 Contractor acknowledges that if it violates the Labor Code provisions relating to prevailing wages that City may enforce such provisions by withholding payments to Contractor or its subcontractors pursuant to Labor Code section 1771.6.

2.3 If Contractor executes an agreement with a subcontractor to perform any portion of the Services, Contractor shall comply with Labor Code sections 1775 and 1777.7, and shall provide the subcontractor with copies of the provisions of Labor Code sections 1771, 1775, 1776, 1777.5, 1813 and 1815. Contractor acknowledges that the statutory provisions establishing penalties for failure to comply with state wage and hour laws and to pay prevailing wages may be enforced by City pursuant to Labor Code sections 1775 and 1813.

2.4 Contractor and its subcontractors shall comply with the provisions of Labor Code section

1776 regarding payroll records maintenance, certifications, retention and inspection.

2.5 Contractor acknowledges that eight (8) hours constitutes a legal day's work pursuant to Labor Code section 1810.

2.6 Contractor shall comply with the provisions of Labor Code section 1777.5 as to apprenticeships, and Labor Code sections 1771, 1775, 1776, 1777.5, 1813 and 1815.

2.7 Pursuant to Public Contract Code section 7103.5(b), Contractor offers and agrees to assign to City all rights, title and interest in and to all causes of action it may have under section 4 of the Clayton Act (15 U.S.C. section 15) or under the Cartwright Act (Chapter 2 (commencing with section 16700) of Part 2 of Division 7 of the Business and Professions Code), arising from purchases of goods, goods or materials pursuant to this Agreement.

ARTICLE 3 – RESPONSIBILITIES OF CITY

3.1 City shall make available to Contractor information in its possession that may reasonably assist Contractor in performing the Services.

3.2 City designates Tabitha Crocker, Department Director, as City's representative with respect to performance of the Services, and such person shall have the authority to transmit instructions, receive information, interpret, and define City's policies and decisions with respect to performance of the Services.

ARTICLE 4 – PERFORMANCE OF SERVICES

4.1 The Services shall commence as of the Effective Date of this Agreement. Contractor shall perform and complete the Services in a prompt and diligent manner in accordance with the schedule set forth in Exhibit "A," which is attached hereto and incorporated herein by this reference.

4.2 The term of this Agreement shall be for a period of one (3) years from the Effective Date of this Agreement (the "Initial Term"). The City shall have the option to extend the Initial Term of this Agreement by two (2) additional one-year terms (each, an "Extended Term"), on the same terms and conditions, by providing written notice to Contractor at least thirty (30) days prior to the expiration of the Initial Term or any Extended Term. The Initial Term and the Extended Terms are hereby collectively, referred to herein as the "Term" of this Agreement.

4.3 Contractor shall furnish a labor and material bond in the form attached hereto as Exhibit "B," which is attached hereto and incorporated herein by this reference, in an amount equal to one hundred percent (100%) of the total compensation to be paid to Contractor pursuant to this Agreement.

ARTICLE 5 – PAYMENTS TO CONTRACTOR

5.1 Compensation:

The compensation for Contractor's performance of the Services shall not exceed the amount of Three Million Six Hundred Thousand dollars ($3,600,000) for the Services provided during the Initial Term. Should this Agreement be renewed, the compensation for Contractor's performance for the Services shall not exceed the amount of One Million Two Hundred Thousand dollars ($1,200,000) for the first Extended Term; and One Million Two Hundred Thousand dollars ($1,200,000) for the second Extended Term, bringing the total possible amount of compensation to a not-to-exceed amount of Six Million dollars ($6,000,000). For the Initial Term and each Extended Term, City shall pay Contractor on a time and materials basis up to the not to not-to-exceed amount in accordance with the rates specified in Exhibit "C," titled "Price and Fee Bid," which is attached hereto and incorporated herein by reference.

5.2 Contractor shall submit monthly invoices to City describing the Services performed during the preceding month. Contractor's invoices shall include a brief description of the Services performed, the dates the Services were performed, the number of hours spent and by whom. City shall pay Contractor no later than thirty (30) days after receipt and approval by City of Contractor's invoice.

5.3 Any notice or other communication required, or which may be given, pursuant to this Agreement, shall be in writing. Any such notice shall be deemed delivered (i) on the date of delivery in person; (ii) five (5) days after deposit in first class registered mail, with return receipt requested; (iii) on the actual delivery date if deposited with an overnight courier; or (iv) on the date sent by facsimile or electronic mail transmission (including PDF), if confirmed with a copy sent contemporaneously by first class, certified, registered or express mail; in each case properly posted and fully prepaid to the appropriate address set forth below, or such other address as a Party may provide notice in accordance with this section:

CITY	CONTRACTOR
City Clerk City of Redlands 35 Cajon Street P.O. Box 3005 (mailing) Redlands, CA 92373 jdonaldson@cityofredlands.org (909) 798-7531	Patrick Mahoney, President West Coast Arborists, Inc. 21718 Walnut Ave Grand Terrace, CA 92313 pmahoney@wcainc.com (714) 991-1900

ARTICLE 6 – INSURANCE AND INDEMNIFICATION

6.1 The following insurance coverage required by this Agreement shall be maintained by Contractor for the duration of its performance of the Services. Contractor shall not perform any Services unless and until the required insurance listed below is obtained by Contractor. Contractor shall provide City with certificates of insurance and endorsements evidencing such insurance prior to commencement of the Services. Insurance policies shall include a provision prohibiting cancellation or modification of the policy except upon thirty (30) days prior written notice to City.

A. Workers' Compensation and Employer's Liability insurance in the amount that meets statutory requirements with an insurance carrier acceptable to City, or certification to City that Contractor is self-insured or exempt from the workers' compensation laws of the State of California. Contractor shall execute and provide City with Exhibit "D," titled "Workers' Compensation Insurance Certification," which is attached hereto and incorporated herein by this reference, prior to performance of the Services.

B. Comprehensive General Liability insurance with carriers acceptable to City in the minimum amount of One Million Dollars ($1,000,000) per occurrence and Two Million Dollars ($2,000,000) aggregate, for public liability, property damage and personal injury is required. City shall be named as an additional insured and such insurance shall be primary and non-contributing to any insurance or self-insurance maintained by City.

C. Business Auto Liability coverage, with minimum limits of One Million Dollars ($1,000,000) per occurrence, combined single limit bodily injury liability and property damage liability. This coverage shall include all Contractor owned vehicles used in connection with Contractor's provision of the Services, hired and non-owned vehicles, and employee non-ownership vehicles. City shall be named as an additional insured and such insurance shall be primary and non-contributing to any insurance or self-insurance maintained by City.

6.2 Contractor shall defend, indemnify, and hold harmless City and its elected and appointed officials, employees, and agents from and against any and all claims, losses and liability, including attorneys' fees, arising from injury or death to persons or damage to property occasioned by any negligent act or omission by, or the willful misconduct of, Contractor, or its officers, employees and agents in performing the Services.

ARTICLE 7 – CONFLICTS OF INTEREST

7.1 Contractor covenants and represents that it does not have any investment or interest in any real property that may be the subject of this Agreement or any other source of income, interest in real property or investment that would be affected in any manner or degree by the performance of Contractor's Services. Contractor further covenants and represents that in the performance of its duties hereunder, no person having any such interest shall perform any Services under this Agreement.

7.2 Contractor agrees it is not a designated employee within the meaning of the Political Reform Act because Contractor:

A. Does not make a governmental decision whether to:

(i) approve a rate, rule or regulation, or adopt or enforce a City law;
(ii) issue, deny, suspend or revoke any City permit, license, application, certification, approval, order or similar authorization or entitlement;
(iii) authorize City to enter into, modify or renew a contract;
(iv) grant City approval to a contract that requires City approval and to which City is a party, or to the specifications for such a contract;
(v) grant City approval to a plan, design, report, study or similar item;
(vi) adopt, or grant City approval of, policies, standards or guidelines for City or for any subdivision thereof.

B. Does not serve in a staff capacity with City and in that capacity, participate in making a governmental decision or otherwise perform the same or substantially the same duties for City that would otherwise be performed by an individual holding a position specified in City's Conflict of Interest Code under Government Code section 87302.

7.3 In the event City determines that Contractor must disclose its financial interests, Contractor shall complete and file a Fair Political Practices Commission Form 700, Statement of Economic Interests, with the City Clerk's office pursuant to the written instructions provided by the City Clerk.

ARTICLE 8 – GENERAL CONSIDERATIONS

8.1 In the event any action is commenced to enforce or interpret any of the terms or conditions of this Agreement the prevailing Party shall, in addition to any costs and other relief, be entitled to the recovery of its reasonable attorneys' fees, including fees for the use of in-house counsel by a Party.

8.2 Contractor shall not assign any of the Services, except with the prior written approval of City and in strict compliance with the terms and conditions of this Agreement. Any assignment or attempted assignment without such prior written consent may, in the sole discretion of City, results in City's immediate termination of this Agreement.

8.3 Contractor is for all purposes under this Agreement an independent contractor and shall perform the Services as an independent contractor. Neither City nor any of its agents shall have control over the conduct of Contractor or Contractor's employees, except as herein set forth. Contractor shall supply all necessary tools and instrumentalities required to perform the Services. Assigned personnel employed by Contractor are for its account only, and in no event shall Contractor or personnel retained by it be deemed to have been employed by City or engaged by City for the account of, or on behalf of City. Contractor

shall have no authority, express or implied, to act on behalf of City in any capacity whatsoever as an agent, nor shall Contractor have any authority, express or implied, to bind City to any obligation.

8.4 This Agreement may be terminated by City, in its sole discretion, by providing not less than five (5) days prior written notice to Contractor of City's intent to terminate. If this Agreement is terminated by City, an adjustment to Contractor's compensation shall be made, but (i) no amount shall be allowed for anticipated profit or unperformed Services, and (ii) any payment due Contractor at the time of termination may be adjusted to the extent of any additional costs to City occasioned by any default by Contractor. Upon receipt of a termination notice, Contractor shall immediately discontinue its provision of the Services and, within five (5) days of the date of the termination notice, deliver or otherwise make available to City, copies (in both hard copy and electronic form, where applicable) of project related data, design calculations, drawings, specifications, reports, estimates, summaries and such other information and materials as may have been accumulated by Contractor in performing the Services. Contractor shall be compensated on a pro-rata basis for Services completed up to the date of termination.

8.5 Contractor shall maintain books, ledgers, invoices, accounts and other records and documents evidencing costs and expenses related to the Services for a period of three (3) years, or for any longer period required by law, from the date of final payment to Contractor pursuant to this Agreement. Such books shall be available at reasonable times for examination by City at the office of Contractor.

8.6 This Agreement, including the Exhibits incorporated herein by reference, represents the entire agreement and understanding between the Parties as to the matters contained herein, and any prior negotiations, written proposals or verbal agreements relating to such matters are superseded by this Agreement. Except as otherwise provided for herein, any amendment to this Agreement shall be in writing, approved by City and signed by City and Contractor.

8.7 This Agreement shall be governed by and construed in accordance with the laws of the State of California, without regard to its conflicts of laws provisions. The Parties agree that all actions or proceedings arising in connection with this Agreement shall be tried and litigated only in the state courts located in San Bernardino County, California, and the federal courts located in Riverside County, California.

8.8 If one or more of the sentences, clauses, paragraphs or sections contained in this Agreement is declared invalid, void or unenforceable by a court of competent jurisdiction, the same shall be deemed severable from the remainder of this Agreement and shall not affect, impair or invalidate the remaining sentences, clauses, paragraphs or sections contained herein, unless to do so would deprive a Party of a material benefit of its bargain under this Agreement.

IN WITNESS WHEREOF, duly authorized representatives of City and Contractor have signed in confirmation of this Agreement.

CITY OF REDLANDS

By: _____
Eddie Tejeda, Mayor

WEST COAST ARBORISTS, INC.

By: _____
Patrick Mahoney, President

ATTEST:

_____
Jeanne Donaldson, City Clerk

EXHIBIT "A"

SCOPE OF SERVICES

SCOPE OF WORK FOR TREE TRIMMIMG AND ARBORICULTURE SERVICES

It shall be understood that the Contractor will be required to perform and complete the proposed landscape and/or tree maintenance work in a thorough and professional manner, and to provide labor, tools, equipment, materials and supplies necessary to complete all the work in a timely manner that will meet the City's requirements.

A. Annual Pruning Program

The Contractor shall assist the City with developing a recommended annual pruning program including personnel and vehicles that would be required to complete the project. Prior to beginning the work, the Contractor shall review with the FCS Director or Superintendent the various methods, tools, and work scheduling to be used on the project. Depending on the City's current and future pruning needs, the recommended pruning schedule may require multiple crews to perform concurrently within the same time constraints.

Prior to beginning the work, the Contractor shall review with the Director or Superintendent, various methods, tools, and work scheduling to be used for the project.

Contractor shall perform an inventory and provide an update, using GPS coordinates, on all tree sites within The City of Redlands' right of way, easements, facilities and properties.

Pruning will include structural pruning, clearance trimming, crown reduction, and crown cleaning in accordance with the standards set forth by the International Society of Arboriculture Pruning Standards (Best Management Practices) and the ANSI A300 Standards. Special projects that are difficult to access require the need for specialty equipment (i.e., 95-foot tower), service request pruning, or pruning to reduce and/or pruning to restore would fall under Crew Rental.

(a) Contractor shall comply with Standards of CAL OSHA and the American National Standard Institute, Z133 Safety Requirements.

(b) Daily tree pruning operations shall commence no earlier than 7:00 A.M. and shall be completed each day, no later than 5:00 P.M. unless otherwise permitted by FCS Director or Superintendent

(c) Contractor shall notify the resident no less than twenty-four (24) hours in advance by means of posted signage on affected tree(s) of scheduled pruning. Signage shall include tentative dates.

(d) Contractor shall provide and post "No Parking" signs twenty-four (24) hours in advance of the work, where parked cars will conflict with tree work.

(e) Contractor shall endeavor to maintain good public relations at all times. The work shall be conducted in a manner which will cause the least possible interference and annoyance to the public. Work shall be performed by competent employees and supervised by an experienced supervisor that can effectively and clearly communicate with the public and City Staff. The Contractor shall be responsible to see that private property and vehicles at work locations are protected from damaged during the course of work.

(f) Contractor shall exercise precautions as necessary when working adjacent to aerial and subterranean utilities. In the event that aerial utility wires present a hazard to the Contractor's personnel or others near the work site, work is to immediately cease, and the appropriate utility company notified. Work shall then commence in accordance with instructions from the utility company. In the event that work causes excavation, the contractor is responsible for properly marking the location, per City staff instruction, and notifying Underground Service Alert (USA).

(g) No hooks, gaffs, spurs, or climbers will be used for anything other than removals unless otherwise permitted by FCS Director or Superintendent

(h) Final pruning cuts shall be made without leaving stubs. Cuts shall be made in a manner to promote fast callous growth.

(i) When pruning fungus, disease or fire blight infected limbs or fronds, all pruning tools shall be cleaned after each cut with a ten (10) percent chlorine bleach solution and between trees where there is danger of transmitting the disease on tools. Fresh solution shall be mixed daily.

(j) Topping shall not be performed unless otherwise permitted by FCS Director or Superintendent.

(k) The specific techniques employed shall be consistent with industry practice for the size and species of tree being trimmed. All dead, broken, damaged, diseased or insect infested limbs shall be removed at the trunk or main branch. All cuts shall be made sufficiently close, ½ inch, to the parent stem so that healing can readily start under normal conditions. All limbs 2" or greater shall be undercut to prevent splitting. The remaining limbs and branches shall not be split or broken at the cut. All crossed or rubbing limbs shall be removed unless removal will result in large gaps in the general outline of the tree. Tree foliage shall be reduced by at least fifteen (15%) percent but no more than thirty (30%) percent.

(l) Contractor shall trim to remove dead wood or weak, diseased, insect-infested, broken, low, or crossing limbs. Branches with an extremely narrow angle of attachment should normally be removed.

(m) Small limbs, including suckers and waterspouts, shall be cut close to the trunk or branch from which they arise.

(n) Heading cuts and/or topping will not be permitted unless specific approval is first granted by FCS Director or Superintendent. Heading, rounding over, or stubbing shall not be an accepted practice for reducing the size or the framework of any tree unless otherwise permitted by FCS Director or Superintendent.

B. Traffic Clearance Pruning

Tree pruning for traffic clearances shall provide clearances of at least thirteen (14') feet and no greater than sixteen feet (16') above finish grade for moving vehicles within the traveled roadway. Clearance for pedestrians on sidewalks shall be in accordance with standards set forth by the International Society of Arboriculture Pruning Standards (Best Management Practices) and the ANSI A300 Standards under "Pruning to Raise." Clearance trims are performed on a grid system or on a street-by-street basis. Clearances for adjacent structures and their connecting utility lines (service drops), shall be determined by the Operations Manager and conform to the following:

(a) The minimum clearance under trees within the street right-of-way shall be thirteen (14') feet over the traveled road and gutter pan, and nine feet (8') over the sidewalk side of the tree. When pruning the bottom branches, care shall be given to obtain a balanced appearance when viewed from across the street immediately opposite the tree.

(b) Cut to laterals to preserve the natural form of the tree. Remove lateral branches at their point of origin or shorten the length of a branch by cutting limb back to a lateral which is no less than 1/3 of the diameter of the portion of the limb being removed.

(c) When cutting back, avoid cutting back to water sprouts. Remove smaller limbs and twigs in such a manner as to leave the foliage pattern evenly distributed.

(d) Do not "lions tail" limb.

C. Line Clearance Pruning

During the course of this contract the Contractor may be required to perform utility line clearance in conjunction with routine or non-routine pruning activities. The Contractor shall be required to furnish all supervision, labor, equipment and materials necessary to accomplish the work in accordance with the contract. The Contractor has the responsibility for compliance with safety and health standards of the California Occupational Safety and Health Act (OSHA) and all applicable rules, regulations, and orders. The competency of Contractor's personnel shall be maintained through regular training. All persons performing tree work on City trees in or around primary electrical lines shall be trained to do so in accordance with the "Electrical Safety Orders" of the State of California.

D. Palm Tree Pruning

Palm tree pruning shall consist of the removal of loose dead fronds, fruit clusters and other vegetation from the trunks of all palms listed in the Contract Documents Special Provisions in a manner selected by the Contractor and approved by the Director or Superintendent, and in accordance with the following:

(a) The use of climbing spurs or spike shoes for the purpose of climbing palm trees is prohibited, unless specifically approved by the Director or Superintendent. The Contractor shall be required to use an aerial tower with sufficient height to reach the crown for the purpose of pruning City palm trees. Trimming of palm trees shall consist of removing all dead palm fronds and hanging "skirt". Live fronds shall be removed to leave no less than a 60-degree angle from trunk center to live frond crown.

(b) Palm Skinning (additional service & cost) - Dead fronds, and parts thereof,

including stubs, can be removed along the entire length of the trunk of each palm, leaving a clean unsheathed appearance slicked from the ground to approximately twenty-four to thirty-six (24" – 36") inches from the base of the green fronds at the top of the tree. The frond stubs (cut close to trunk) can be left in place within a span of at least eighteen (18") inches but no greater than thirty-six (36") inches.

E. Tree Removal

City staff will notify contractor in writing or work order of tree(s) to be removed by way of tree ID number and/or a single white paint dot on the trunk of tree(s) to be removed. Contractor will post "No Parking" signage, will contact Underground Service Alert (USA) and prepares an internal work order. Contract crew removes trees and hauls all debris. Crew grinds stumps to a depth of eighteen (18") inches or until sufficient to ensure root ball is removed and all deep roots are no longer encountered. All holes will be backfilled; as well as all debris cleaned up and hauled away. Contractor must take measures to protect all public and private property within the fall out zone when stump grinder machinery is utilized. Special projects that are difficult to access with equipment or require the need for a crane or an aerial tower over seventy-five (75') feet would fall under Crew Rental rates. The Director or Superintendent shall make the final determination to remove or provide public noticing for removal at a later date. Removals shall be conducted in a manner that is in accordance with the standards of the arboricultural profession.

All wood from removed trees is the property of the contractor and shall be disposed of daily. No wood shall be left along public right-of-way unless approved by the Director or Superintendent. All tree parts are to be loaded into transport vehicles or containers. The vehicles or containers must have the front, sides and rear solid and the top shall be trapped, or otherwise tightly enclosed. The transporting of tree parts must be made so that no debris escapes during the transport. Branches, suckers, bark and other tree parts that are chipped are to be covered while transported and hauled to the disposal site during the workday.

The Contractor shall be responsible for marking trees, and affected surrounding area, so that they are easily identifiable by Underground Service Alert. The Contractor shall be required to call Underground Alert at least 2 days before stumps are to be ground out. All tree stumps must be removed to at least 18 inches below the lowest soil level adjacent to the stump, or until root ball is removed and all deep roots are no longer encountered. The Contractor shall grind the stump to a minimum distance of one and a half (1½') feet on either side of the outer circumference of the stump, or until surface roots are no longer encountered.

In public right of way (parkway) areas within the vicinity of public sidewalk/walking paths, stumps shall be cut as close as possible to surrounding ground elevation. This may be accomplished by cutting the stump

at the time of grinding, or at the time of tree removal except for infrastructure conflicts. Holes created by stump and root grinding must be filled the same day. The stump grinding chips and spoils may be used to fill the hole to two (2") inches above abutting ground level. All excess grinding debris shall be removed and loaded into transport vehicle for disposal. Any damage to concrete surfaces, as a result of tree work, shall be restored to their original condition by contractor.

F. Tree Planting

Planting includes the tree(s), lodge poles, ties, trunk guard and complete installation as well as watering for ninety (90) calendar days. Contractor will guarantee the quality of the tree stock and the workmanship for one (1) year from install date.

(a) Contractor shall provide all equipment, labor and materials necessary for the planting of trees throughout the City in accordance with the specifications herein.

(b) The City will provide a list/map of planting locations. Contractor shall be responsible for marking locations and notifying Underground Service Alert (USA) prior to planting. Trees shall be planted per the City's standard spacing of forty feet (40') from center of trunk to center of trunk; twenty feet (20') from any intersection Stop signs and underground utilities; ten feet (10') from any driveway approach. Any deviation of this must be cleared by FCS Director or Superintendent.

(c) Planting pit shall be dug two times the width and the same depth of the root ball/container. Before placing the tree in the planting pit the Contractor shall examine root ball for any pre-existing damage or problems with roots and tree canopy for broken branches. Damaged roots should be cleanly cut off at a point just in front of the break. Broken branches should be cut out of the canopy making sure that the branch collar is not damaged.

(d) Tree shall be placed in the planting pit with its original growing level (the truck flare) at the same height of the surrounding finish grade. In grass-covered parkways, the top of the root ball shall be level or slightly higher than the surrounding soil. In a concrete tree well, the root ball shall be three (3") inches below the level of the finished surface of the concrete.

(e) Backfill material should be native soil. Eliminate all air pockets while backfilling the planting pit by watering the soil as it's put into the hole.

(f) Trees that are planted in parkways shall have a 4”-6” high water retention basin built around the tree capable of holding at least ten against the edge of the concrete to create a sloping basin. Immediately after planting, the tree shall be watered thoroughly by filling the water retention basin twice.

(g) All trees shall be staked with two wooded lodge poles and two ties per pole. Minimum size of lodge poles shall be ten (10’) feet long, with a one and a half (1½”) inch diameter. Tree ties shall be placed at one third (1/3) and two-thirds (2/3) of the trunk height and installed in a figure 8 pattern form trunk to stake. Stakes shall not penetrate the root ball

and shall be driven into the ground approximately twenty-four to thirty (24”-30”) inches below grade.

(h) Trunk protectors such as Arbor-Guards or an approved equal shall be placed at the base of the trunk of all new trees immediately after planting.

(i) In some cases, root barriers may be required. The City will make this determination. Should a root barrier be required, the Contractor will install a mechanical barrier that redirects root growth downward, eliminating the surface rooting that damages expensive hardscapes and creates a hazard. The barrier shall be twelve (12”) inches in depth and at a length determined by the City and placed in a circular fashion surrounding the trees’ root system. Root barriers are an additional service and cost.

(j) Contractor shall clean up all trash and any soil or dirt spilled on any paved surface at the end of each planting location and episode.

(k) All trees shall be of good nursery stock that adheres to the American Standard for Nursery Stock as described in the ANSI Z-60.1 Standards. Trees shall be free from pests, disease, and structural defects.

G. Crew Rental

The standard crew is three men, one chipper truck, one chipper, one aerial tower and all necessary hand tools. The crew and equipment can be modified to complete any type of miscellaneous tasks including special projects. Trees requiring service prior to their regularly scheduled grid or annual trim to rectify a specific problem such as blocked street lighting or signs, right-of-way clearance for utility lines, or broken limbs may be performed under the Crew Rental rate.

H. Emergency Response

The Contractor shall be required to provide emergency on call response for damaged trees as a result of storms or other reasons. Emergency calls may occur at any given time. The Contractor will be provided with locations and the work to be done at each location via telephone from FCS Director, Superintendent or authorized representative. Emergency work shall begin within two (2) hours of the initial telephone call.

The Contractor shall be required to provide a twenty-four (24) hour emergency phone number or the names of at least ten (10) contact individuals upon award of contract. Should the contact persons or their phone numbers change during the course of the contract, those changes shall be submitted to the City within two (2) working days.

The Contractor shall be required to provide all necessary traffic control during the course of emergency work complying with the most recent version of the MUTCD manual. Should the work involve any high voltage power lines or any utility lines the Contractor shall be required to notify the responsible utility company.

Work performed under the emergency provision of this contract shall be paid for on a crew hour basis. This shall include all labor, tools equipment, disposal fees and necessary materials.

I. Tree Watering

Watering is performed by a one-man crew with a water truck who will water various routes including landscape median and young trees that are three (3) years old and younger.

J. Small Tree Care

The City requires an active approach to the care of its young and newly planted trees. The Contractor shall be required to perform basic maintenance that will include, but not be limited to, tree well adjustments and watering, removal of weeds from tree wells, structural pruning, and re- staking when necessary.

K. Arborist Services

On occasion, the City requires tree evaluations including written reports from an outside Certified Arborist. The vendor shall provide an hourly rate for an Arborist that can respond to the City's request(s) for the preparation of detailed arborist reports, tree evaluations and site inspections. Reporting can be generated on as little as one tree to an entire urban forest population and is handled on a case-by-case basis.

L. Tree Inventory

The Contractor will provide the City access to a record keeping system consisting of an Internet- based software program. The program shall have the capability to produce detailed listings of tree and site information, work histories, service requests, summary reports and pictures of City tree species. The Contractor shall provide software support to the City for the entire term of the contract.

The Contractor shall provide the City with recommendations for tree maintenance, recommended planting locations, and recommended removals. Attributes to be collected by field personnel may include Address, Street, Facility, Species, Diameter, Crown, Height, recommended maintenance, overhead utilities and parkway size and type.

M. Traffic Control

Contractor shall conform to all City Traffic Safety as well as the most current edition of the MUTCD Manual requirements and operating rules at all times while this contract is in effect. The Contractor shall employee staff certified as Traffic Control Design Specialist and Traffic Control Technicians in accordance with the American Traffic Safety Services Association (ATSSA).

Contractor will be responsible for supplying and using all safety equipment necessary to close or delineate traffic lanes to through traffic. This is to include a high visibility Arrow Board(s) as necessary. The City, prior to use, must approve all traffic safety equipment for use.

Electronic sign boards, sign stands, delineators and/or cones shall be used to identify worksites for vehicular and pedestrian safety. In the event of nighttime work, lighted barricades and 26" double reflective cones will be required on work site.

N. Public Notice of Tree Pruning Operations

Contractor shall be required to notify residents and/or businesses of scheduled tree pruning operations at least twenty- four (24) hours prior to the work being performed. Notifications shall be made in the form of "No Parking" signs or door hangers.

O. Clean-Up

Contractor shall clean all job sites daily when work is completed, including the raking of leaves, twigs, etc. from the lawns, sidewalks and parkways and the sweeping of streets and gutters.

Each day's scheduled work shall be completed and cleaned up and under no circumstances shall any brush, leaves, debris, or equipment be left on the street overnight, unless given special permission by FCS Director or Superintendent.

Contractor's equipment may be stored overnight, with advance approval by staff, in the City yards; however, the City will not be responsible for security of Contractor's equipment.

Brush and debris shall be removed daily, sidewalks swept, lawns and parkways raked out and gutters cleaned.

The Director or Superintendent or authorized representative shall be the sole judge as to the adequacy of the clean-up.

P. Debris Disposal

All tree branches produced as a result of the Contractor's operations under this contract will be reduced, reused, recycled, and/or transformed. The City will receive access to their Green Waste Recycling report detailing the amount of debris recycled and the location. This report is to be used for compliance with Assembly Bill 939.

(a) Green waste that is transported to an offsite facility for grinding into mulch shall be documented in a Green Waste Report and made available to the Director or Superintendent on a monthly basis.

(b) At the direction of the Director or Superintendent, wood waste generated from tree removals shall be chipped into pure wood chips with an even uniform size and then dumped in specified locations in the City.

Q. Parking

Upon request form Contractor, the City of Redlands will make every attempt to identify a suitable space for parking of vehicles and equipment for the purpose of this contract. The vendor will hold the City of Redlands harmless and release the City of liability as a result of theft or vandalism. Should a site not be available, then the vendor may park on City right-of-way near the project area(s).

R. Invoices

Contractor shall be required to submit invoices on a monthly basis. Invoice format shall include but not be limited to a list of each street that tree maintenance operations took place, the address of each individual tree, the species and its height and trunk diameter of each individual tree. Failure to submit invoices in this format may result in non-payment until these requirements are met.

S. Inspections

The Director or Superintendent or designated representative shall, at all times, have access to the work and shall be furnished with every reasonable facility for ascertaining full knowledge respecting the progress, workmanship, and character of materials and equipment used and employed in the work.

T. Inventory Contract Management & Data Collection

The Contractor will manage the entire inventory project and will not use subcontractors. The project shall include field data collection, data entry, supply of the computer software, and training of City employees on the use of the system, future technical maintenance, and support and as an option, conversion of the existing database. The Contractor, upon award of contract should be prepared to perform the following:

- Obtain all required insurance as specified in the RFB.
- Obtain any and all Business Licenses and/or permits.
- Execute a Contract for the Inventory of City trees.

a. Prior to Commencement of Work

i. Conduct a Pre-job meeting with City staff to discuss the City's criteria with regards to all tree attributes to be collected, scheduling and location of fieldwork.

ii. The City has been divided into Tree Districts for more efficient management of data collection. For the purpose of completing the City's tree inventory, the City will try to provide copies of the following:

1. City Maps with Street Tree Districts
2. Easement Maps including CFD and LMD areas
3. Grid Maps
4. Street Tree Master Plan with Tree Palette
5. Tree Ordinance
6. Additional information pertaining to City trees
7. Tree Maintenance Schedule
8. Information pertaining to City's GIS system
9. Street Listing on diskette in database or ASCI format

iii. Attributes to be collected by field personnel may include, but is not limited to:

1. Tree Number/position
2. City Tree District
3. Park name
4. Facility name
5. Location by street address
6. Location by GPS
7. Species by botanical name & common name
8. Tree diameter at standard height (DSH)
9. Canopy spread
10. Overall tree height
11. Current status
12. Noticeable disease/ailment
13. Tree structure
14. Recommended Maintenance
15. Existing overhead Utilities
16. Parkway Size
17. Parkway Type

U. Tree Inventory Data Management

- Data will be post-processed to establish sub-meter accuracy of points (only if GPS).
- Tree inventory will be installed into a computer software program developed by contractor for long-term management of the Urban Forest. (Optional) The inventory program will link with the City's ArcView system for GIS capabilities.
- Provide the City with Global Positioning Satellite (GPS) coordinates for each City tree inventoried. Using a handheld computer and a backpack GPS receiver, the inventory collector will identify the trees by their global coordinates of longitude and latitude, within one meter. By collecting the data using the GPS system, the City can consolidate the tree data with other various GPS coded programs in the City.
- Provide monthly progress reports in the form of SHP files (shape file). The City will be able to review the data collected and the dots plotted on the maps.
- The City expects the inventory to be completed, delivered, and installed

within 3 months, or sooner, from the "Notice to Proceed." In order to complete this project within 6 months.

V. Technical Support and Maintenance

The Contractor shall provide routine maintenance, archive, backup, restore and disaster recovery procedures as may be requested by the City. The Contractor shall provide complete support, rapidly, with experienced staff available to the City during the hours of 8:00 A.M. to 5:00 P.M. Monday through Friday. The Contractor shall be readily available by telephone, email or may respond to the City's location within a timely manner.

MINIMUM REQUIREMENTS FOR TREE TRIMMIMG AND ARBORICULTURE SERVICES

A. GPS Tree Inventory

The Contractor shall create a GPS tree inventory using the City's standardized addressing system (trees will use the site address and shall utilize a numbering system where multiple trees, located at the same address, will be numbered in an ascending manner which corresponds with the ascending street addresses) for all parks and open space areas. This includes, but is not limited to, all trees within City of Redlands easement on public streets, parks, State property where a maintenance agreement exists, City facilities and open spaces such as medians, LMDs, CFDs, green belts, etc. The Contractor shall be required to create an ESRI ArcView/ArcGIS compatible SHP file (shape file). The new inventory shall be capable of showing the location of every existing tree site and vacancies on the City's existing GIS base maps (streets, parcels, addresses, ROW and hardscapes, etc.) Minimum accuracy shall be not more than one (1) meter. The collected inventory shall be on software that is available for City access on desktop/laptop computers. Bidder must supply an online database as well as a mobile app available on either an Android or iPhone platform which shall operate on a variety of applicable hand held devices.

The Contractor will manage the entire inventory project and will not use subcontractors. The project shall include field data collection, data entry, access to the computer software, and training of City employees on the use of the system, future technical maintenance and support and as an option, conversion of the existing database.

The Contractor shall provide routine maintenance, archive, backup, restore and disaster recovery procedures as may be requested by the City. The Contractor shall provide complete support with experienced staff available to the City during the hours of 7:00 A.M. to 5:00 P.M. Monday through Friday. The Contractor shall be readily available by telephone, email or may respond to the

City's location within a timely manner.

B. Inventory Data Collection

- (Mandatory) Provide a comprehensive tree inventory of the current status of all existing tree sites (e.g. vacant sites, stumps, new sites, etc.) by an ISA Certified Tree Worker and provide a comprehensive tree data collection report upon approval of agreement and Notice to Proceed (NTP).
- Attributes to be collected by field personnel include District (area number or name), possibly a sub area, species identification, height, canopy spread, DSH (diameter at standard height) and condition evaluation.
- Have an ISA Certified Worker of greater, perform tree data collection and provide an extensive tree evaluation.
- Attributes to be collected by field personnel include Tree District (area number or name), possibly a sub area, species identification, size (DSH) and condition evaluation.
- Provide the City with Global Positioning System (GPS) coordinates for each tree inventoried. The information collected can be linked directly to a Geographical Information System (GIS) program, such as ArcView. Using a handheld computer and a backpack GPS receiver, the inventory collector will identify the trees by their global coordinates of longitude and latitude.
- By collecting the data using the GPS system, the City can consolidate the tree data with other various GPS coded programs.
- At the end of the project, the City will receive a complete listing of all sites inventoried, both in hard copy and in a software program, which will enable the City to connect the inventory to the GIS program and create various frequency reports.
- The collected inventory shall be on software that is available for City access on desktop/laptop computers. Bidder must supply an online database as well as a mobile app available on either an Android or iPhone platform which shall operate on a variety of applicable handheld devicesC.

C. Computer Software Capabilities

- Have software capable of producing reports that can be exported to Microsoft Excel for graphic output for the purpose of displaying the data.
- Capability of linking to ArcView GIS version 3.2 with automatic data export.
- The software can also link to separate databases containing work history, work requests, etc.
- Bidder must supply an online database as well as a mobile app available on either an Android or iPhone platform which shall operate on a variety of applicable hand held devices.
- The database shall be capable of managing an unlimited number of records and have the capacity of adding additional tree sites should The City desire to input them.
- It allows the tracking of all maintenance performed by City field crews and/or by contractors.
- Inquiries can be made by one field or a combination of fields.

D. Mobile Software Application Capabilities

- The City is asking for a field-based management of customer inventories and associated work records that is supported by a wide variety of handheld devices.
- With this app, the customer (The City of Redlands) shall have the ability to access and manipulate their entire GPS-based inventory in satellite, roadmap, and textual views with great accuracy. Users shall be able to view site specific information and/or detailed work history. Users shall also have the ability to create and send work requests straight from the field.
- As work is completed both inventory and work history records are updated to this app so information is live and up-to-date the moment a WiFi connection is available. City employees with access will have the ability to update sites as well so that any work performed by in house city crew(s) will be input into the site history as well. Information that has already been downloaded to the device shall be available even without internet connection.

E. Mobile Device Software requirements:

Android and iOS with Google Play

F. Recommended Hardware

Samsung Galaxy Tablet or iPad tablet

EXHIBIT "B"

LABOR AND MATERIAL BOND

Whereas, the City of Redlands, State of California, and West Coast Arborists, Inc. (hereinafter designated as "Principal") have entered into an agreement (the "Agreement") whereby Principal agrees to tree trimming and arboriculture services (the "Work"), which said agreement, dated February 20, 2024, and titled as "Agreement to Perform Non-Professional Services for Improvement to Public Buildings and Grounds" is hereby referred to and made a part hereof; and

Whereas, under the terms of the Agreement, Principal is required before commencing the performance of the Work, to file a good and sufficient Labor and Material bond with the City of Redlands to secure the claims to which reference is made in Title 3 (commencing with Section 9550) of Part 6 of Division 4 of the Civil Code of the State of California.

Now, therefore, said Principal and the undersigned as corporate surety, are held firmly bound unto the City and all contractors, subcontractors, laborers, material men and other persons employed in the performance of the Agreement and referred to in the aforesaid Code of Civil Procedure in the sum of Six Million Dollars ($6,000,000) for materials furnished or labor thereon of any kind, or for amounts due under the Unemployment Insurance Act with respect to such work or labor, that said surety will pay the same in an amount not exceeding the amount hereinabove set forth, and also in case suit is brought upon this bond, will pay, in addition to the face amount thereof, costs and reasonable expenses and fees, including reasonable attorneys' fees, incurred by the City in successfully enforcing such obligation, to be awarded and fixed by the court, and to be taxed as costs and to be included in the judgment therein rendered.

It is hereby expressly stipulated and agreed that this bond shall insure to the benefit of any and all persons, companies and corporations entitled to file claims under Title 3 (commencing with Section 9550) of Part 6 of Division 4 of the Civil Code, so as to give a right of action to them or their assigns in any suit brought upon this bond.

Should the condition of this bond be fully performed, then this obligation shall become null and void, otherwise it shall be and remain in full force and effect.

The surety hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Agreement or the specifications accompanying the same shall in any manner affect its obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition.

In witness whereof, this instrument has been duly executed by the Principal and surety above named, on _____, 2024

(SEAL)	(SEAL)
_____	_____
(Contractor)	(Surety) BY:
_____	_____
(Signature)	(Signature)
	Address: _____ _____
(Seal and Notarial Acknowledgment of Surety)	Telephone( ) _____

EXHIBIT "C"
Price and Fee Bid

BID FORM
URBAN FOREST MAINTENANCE PROGRAM

NAME OF BIDDER: West Coast Arborists, Inc.

The undersigned Bidder herby declares that it has carefully examined the location of the proposed Work, and has read and examined the Contract Documents, including specifications and all addenda, if any, for the following Project:

URBAN FOREST MAINTENANCE PROGRAM; CS-23-02

We hereby propose to furnish all labor, materials, equipment, tools, transportation, and services, and to discharge all duties and obligations necessary and required to perform and complete the Project in strict compliance with the Contract Documents for the following AMOUNT:

BID SCHEDULE

Description		**Unit Price**
Tree Pruning		Per Unit
1.	Grid Pruning – Complete Pruning	$90.00
2.	Crown Cleaning	$90.00
3.	Raise Only	$90.00
4.	Crown Reduction	$350.00
5.	Service Request	$350.00
6.	Clearance Pruning	$90.00
7.	Newly Planted Tree (Young Tree Care)	$60.00
Tree Removal		
9.	Complete Tree and Stump Removal	
	Net dia. trunk inches	**$/in** 49.00
10.	Tree Removal Only	
	Net dia. trunk inches	**$/in** 39.00
11.	Stump Removal Only	
	Net dia. trunk inches	**$/in** 19.00
Root Pruning		**Per lineal foot**
12.	Root Pruning	$35.00
13.	Additional Root Pruning to Grade	$45.00
	Along sidewalks and curbs	
Tree Planting		**Per Unit**
14.	15" gallon	$220.00
15.	24" box	$420.00
16.	36" box	$1,100.00
17.	w/root barrier (10' along hardscape)	$400.00
18.	w/french drain	$300.00
Tree Watering		**Per Hour**
19.	Newly Planted Trees	$100.00
Emergency Response		**Per Hour**
20.	2 man crew week days between 7 am and 5 pm	$200.00

21.	3 man crew week days between 7 am and 5 pm	$300.00
22.	2 man crew evening/night/weekend hours (travel time included)	$280.00
23.	3 man crew evening/night/weekend hours (travel time included)	$420.00
24.	**Mulch**	**Per Ton**
	Delivery and Pick-up	$60.00
25.	**Tree Crew Rental**	**Per Hour**
	3 man crew	$300.00
26.	**Consulting Arborist Services**	**Per Hour**
	Hourly rate	$175.00
Data Entry		**Per Record**
27.	Inventory per tree	$5.00
28.	Inventory record input	$5.00
29.	Inventory record update	$5.00

BID ALTERNATE #1

Description	Per Unit Cost	Total Cost
Complete Tree Inventory Update	$5.00	$125,000.00

Bidders must provide price for every item.

If the Contract Documents specify alternate bid items, the following Alternate Bid amount shall be added to the Total Base Bid Price, at the City's sole option. The City can choose to include one or more of the Alternate Bid items in the Work. If any of the Alternate Bid items are selected by the City, the corresponding amount shall be added to or deducted from the Total Base Bid Price for the Work. City can award/select Alternate Bid items at any time.

The basis of award will be on a "Best Value" evaluation based on the criteria mentioned in this bid document. The submitted bid will be used to help evaluate the cost of the urban forest maintenance program.

COOPERATIVE PURCHASING

It is intended that other public agencies (i.e., city, county, school district, special district, public authority, public agency, and other political sub-division of the State of California) and/or other City departments shall have the option to participate in any agreement created because of this Request for Proposal with the same terms and conditions as to the price of the product and/or service. The City shall incur no financial responsibility in connection with a purchase order from another public agency. Any public agency that "piggy-backs" on any negotiated contract between the City and Contractor shall accept sole responsibility for negotiating, placing orders, and making payment to Contractor. The Contractor may or may not agree to the cooperative purchasing clause. It is understood that not all terms, conditions, or scope of work from one agency contract for tree maintenance may not be fully acceptable to another agency. Agencies may modify specific items for the purpose of making the agreement acceptable and agreeable.

EXHIBIT "D"

WORKERS' COMPENSATION INSURANCE CERTIFICATION

Every employer, except the State, shall secure the payment of compensation in one or more of the following ways:

(a) By being insured against liability to pay compensation by one or more insurers duly authorized to write compensation insurance in this State.

(b) By securing from the Director of Industrial Relations, a certificate of consent to self-insure, either as an individual employer, or as one employer in a group of employers, which may be given upon furnishing proof satisfactory to the Director of Industrial Relations of ability to self-insure and to pay any compensation that may become due to his or her employees.

CHECK ONE

_____I am aware of the provisions of Section 3700 of the Labor Code which requires every employer to be insured against liability for Workers' Compensation or to undertake self-insurance in accordance with the provisions of that Code, and I will comply with such provisions before commencing the performance of the work and activities required or permitted under this Agreement. (Labor Code §1861).

_____I affirm that at all times, in performing the work and activities required or permitted under this Agreement, I shall not employ any person in any manner such that I become subject to the workers' compensation laws of California. However, at any time, if I employ any person such that I become subject to the workers' compensation laws of California, immediately I shall provide the City with a certificate of consent to self-insure, or a certification of workers' compensation insurance.

I certify under penalty of perjury under the laws of the State of California that the information and representations made in this certificate are true and correct.

WEST COAST ARBORISTS, INC.

By:_____ Date: _____

Patrick Mahoney, President

AGREEMENT BY AND BETWEEN THE CITY OF CLAREMONT AND WEST COAST ARBORISTS, INC. FOR URBAN FOREST MAINTENANCE SERVICES

1. PARTIES AND DATE.

This Agreement ("Agreement" or "Contract") is made and entered into this 13th day of June, 2023 by and between the CITY of Claremont, a municipal corporation of the State of California, located at 207 Harvard, Claremont, California, 91711, ("CITY") and West Coasts Arborist, Inc., a California corporation, with its principal place of business at 2200 Via Burton, Anaheim, CA 92806 (hereinafter referred to as "CONTRACTOR"). CITY and CONTRACTOR are sometimes individually referred to as "Party" and collectively as "Parties" in this Agreement.

2. RECITALS.

2.1 CONTRACTOR.

CONTRACTOR desires to perform and assume responsibility for the provision of certain maintenance services required by the CITY on the terms and conditions set forth in this Agreement. CONTRACTOR represents that it is experienced in providing urban forest maintenance services to public clients, that it and its employees or sub-contractors have all necessary licenses and permits to perform the Services in the State of California, and that is familiar with the plans of CITY.

2.2 Project.

CITY desires to engage CONTRACTOR to render such services for urban forest maintenance ("Project") as set forth in this Agreement.

3. TERMS.

3.1 Scope of Services and Term.

3.1.1 General Scope of Services. CONTRACTOR promises and agrees to furnish to the CITY all labor, materials, tools, equipment, services, and incidental and customary work necessary to fully and adequately supply the professional urban forest maintenance necessary for the Project ("Services"). The Services are more particularly described in Exhibits "A" and "B"" attached hereto and incorporated herein by reference. All Services shall be subject to and performed in accordance with this Agreement, the exhibits attached hereto and incorporated herein by reference, and all applicable local, state, and federal laws, rules, and regulations. In the event of any conflict between the provisions of this Agreement and the provisions of an exhibit, the provisions of this Agreement shall apply and take precedence.

3.1.2 Term. The term of this Agreement shall be for three (3) years ("Term") from July 1, 2023 to June 30, 2026, with two (2) optional one year extensions at the CITY's sole discretion, unless earlier terminated as provided herein. CONTRACTOR shall complete the Services within the term of this Agreement, and shall meet any other established schedules and deadlines.

3.2 Responsibilities of CONTRACTOR.

3.2.1 Control and Payment of Subordinates; Independent CONTRACTOR. The Services shall be performed by CONTRACTOR or under its supervision. CONTRACTOR will determine the means, methods, and details of performing the Services subject to the requirements of this Agreement. CITY retains CONTRACTOR on an independent CONTRACTOR basis and not as an employee. CONTRACTOR retains the right to perform similar or different services for others during the term of this Agreement. Any additional personnel performing the Services under this Agreement on behalf of CONTRACTOR shall also not be employees of the CITY and shall at all times be under CONTRACTOR's exclusive direction and control. CONTRACTOR shall pay all wages, salaries, and other amounts due such personnel in connection with their performance of Services under this Agreement and as required by law. CONTRACTOR shall be responsible for all reports and obligations respecting such additional personnel, including, but not limited to: Social Security taxes, income tax withholding, unemployment insurance, disability insurance, and workers' compensation insurance.

3.2.2 Schedule of Services. CONTRACTOR shall perform the Services expeditiously, within the term of this Agreement, and in accordance with the Schedule of Services set forth in Exhibit "A" attached hereto and incorporated herein by reference. CONTRACTOR represents that it has the professional and technical personnel required to perform the Services in conformance with such conditions. In order to facilitate CONTRACTOR's conformance with the Schedule of Services, CITY shall respond to CONTRACTOR's submittals in a timely manner. Upon request of CITY, CONTRACTOR shall provide a more detailed schedule of anticipated performance to meet the Schedule of Services.

3.2.3 Conformance to Applicable Requirements. All Services and work prepared by CONTRACTOR shall be subject to the approval of CITY.

3.2.4 CITY's Representative. The CITY hereby designates the Community Services Director or his/her designee to act as its representative for the performance of this Agreement ("CITY's Representative"). CITY's Representative shall have the power to act on behalf of the CITY for all purposes under this Agreement. CONTRACTOR shall not accept direction or orders from any person other than the CITY's Representative or his/her designee.

3.2.5 CONTRACTOR's Representative. CONTRACTOR hereby designates Pat Mahoney or his/her designee to act as its representative for the performance of this Agreement ("CONTRACTOR's Representative"). CONTRACTOR's Representative shall have full authority to represent and act on behalf of the CONTRACTOR for all purposes under this Agreement. The CONTRACTOR's Representative shall supervise and direct the Services, using his best skill and attention, and shall be responsible for all means, methods, techniques, sequences, and procedures and for the satisfactory coordination of all portions of the Services under this Agreement.

3.2.6 Coordination of Services. CONTRACTOR agrees to work closely with CITY staff in the performance of Services and shall be available to CITY's staff, consultants, and other staff at all reasonable times.

3.2.7 Standard of Care; Performance of Employees. CONTRACTOR shall perform all Services under this Agreement in a skillful and competent manner, consistent with the standards generally recognized as being employed by professionals in the same discipline in the State of California. CONTRACTOR represents and maintains that it is skilled in the professional

calling necessary to perform the Services. CONTRACTOR warrants that all employees and sub-CONTRACTORs shall have sufficient skill and experience to perform the Services assigned to them. Finally, CONTRACTOR represents that it, its employees, and sub-CONTRACTORs have all licenses, permits, qualifications, and approvals of whatever nature that are legally required to perform the Services, including a CITY Business License, and that such licenses and approvals shall be maintained throughout the term of this Agreement. As provided for in the indemnification provisions of this Agreement, CONTRACTOR shall perform, at its own cost and expense and without reimbursement from the CITY, any services necessary to correct errors or omissions which are caused by the CONTRACTOR's failure to comply with the standard of care provided for herein. Any employee of the CONTRACTOR or its sub-CONTRACTORs who is determined by the CITY to be uncooperative, incompetent, a threat to the adequate or timely completion of the Project, a threat to the safety of persons or property, or any employee who fails or refuses to perform the Services in a manner acceptable to the CITY, shall be promptly removed from the Project by the CONTRACTOR and shall not be re-employed to perform any of the Services or to work on the Project.

3.2.8 Laws and Regulations. CONTRACTOR shall keep itself fully informed of and in compliance with all local, state, and federal laws, rules, and regulations in any manner affecting the performance of the Project or the Services, including all Cal/OSHA requirements, and shall give all notices required by law. CONTRACTOR shall be liable for all violations of such laws and regulations in connection with Services. If the CONTRACTOR performs any work knowing it to be contrary to such laws, rules, and regulations and without giving written notice to the CITY, CONTRACTOR shall be solely responsible for all costs arising therefrom. CONTRACTOR shall defend, indemnify and hold CITY, its officials, directors, officers, employees, and agents free and harmless, pursuant to the indemnification provisions of this Agreement, from any claim or liability arising out of any failure or alleged failure to comply with such laws, rules, or regulations.

3.2.9 Insurance.

3.2.9.1 Time for Compliance. CONTRACTOR shall not commence Services under this Agreement until it has provided evidence satisfactory to the CITY that it has secured all insurance required under this section. In addition, CONTRACTOR shall not allow any sub-CONTRACTOR to commence work on any subcontract until it has provided evidence satisfactory to the CITY that the sub-CONTRACTOR has secured all insurance required under this section.

3.2.9.2 Minimum Requirements. CONTRACTOR shall, at its expense, procure and maintain for the duration of this Agreement insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of this Agreement by the CONTRACTOR, its agents, representatives, employees, or sub-CONTRACTORs. CONTRACTOR shall also require all of its sub-CONTRACTORs to procure and maintain the same insurance for the duration of this Agreement. Such insurance shall meet at least the following minimum levels of coverage:

(A) Minimum Scope of Insurance. Coverage shall be at least as broad as the latest version of the following: (1) *General Liability*: Insurance Services Office Commercial General Liability coverage (occurrence form CG 0001); (2) *Automobile Liability*: Insurance Services Office Business Auto Coverage form number CA 0001, code 1 (any auto); and (3) *Workers' Compensation and Employer's Liability*: Workers' Compensation insurance as required by the State of California and Employer's Liability Insurance.

(B) Minimum Limits of Insurance. CONTRACTOR shall maintain limits no less than: (1) *General Liability:* $2,000,000 per occurrence for bodily injury, personal injury and property damage. If Commercial General Liability Insurance or other form with general aggregate limit is used, either the general aggregate limit shall apply separately to this Agreement/location or the general aggregate limit shall be twice the required occurrence limit; (2) *Automobile Liability:* $1,000,000 per accident for bodily injury and property damage; and (3) *Workers' Compensation and Employer's Liability:* Workers' Compensation limits as required by the Labor Code of the State of California. Employer's Liability limits of $1,000,000 per accident for bodily injury or disease.

3.2.9.3 Insurance Endorsements. The insurance policies shall contain the following provisions, or CONTRACTOR shall provide endorsements on forms supplied or approved by the CITY to add the following provisions to the insurance policies:

(A) General Liability. The general liability policy shall be endorsed to state that: (1) the CITY, its directors, officials, officers, employees, agents, and volunteers shall be covered as additional insured with respect to the Work or operations performed by or on behalf of the CONTRACTOR, including materials, parts, or equipment furnished in connection with such work; and (2) the insurance coverage shall be primary insurance as respects the CITY, its directors, officials, officers, employees, agents, and volunteers, or if excess, shall stand in an unbroken chain of coverage excess of the CONTRACTOR's scheduled underlying coverage. Any insurance or self-insurance maintained by the CITY, its directors, officials, officers, employees, agents, and volunteers shall be in excess of the CONTRACTOR's insurance and shall not be called upon to contribute to it in any way.

(B) Automobile Liability. The automobile liability policy shall be endorsed to state that: (1) the CITY, its directors, officials, officers, employees, agents, and volunteers shall be covered as additional insureds with respect to the ownership, operation, maintenance, use, loading, or unloading of any auto owned, leased, hired, or borrowed by the CONTRACTOR or for which the CONTRACTOR is responsible; and (2) the insurance coverage shall be primary insurance as respects the CITY, its directors, officials, officers, employees, agents, and volunteers, or if excess, shall stand in an unbroken chain of coverage excess of the CONTRACTOR's scheduled underlying coverage. Any insurance or self-insurance maintained by the CITY, its directors, officials, officers, employees, agents, and volunteers shall be in excess of the CONTRACTOR's insurance and shall not be called upon to contribute to it in any way.

(C) Workers' Compensation and Employers Liability Coverage. The insurer shall agree to waive all rights of subrogation against the CITY, its directors, officials, officers, employees, agents, and volunteers for losses paid under the terms of the insurance policy which arise from work performed by the CONTRACTOR.

(D) All Coverages. Each insurance policy required by this Agreement shall be endorsed to state that: (A) coverage shall not be suspended, voided, reduced, or canceled except after thirty (30) days prior written notice by certified mail, return receipt requested, has been given to the CITY; and (B) any failure to comply with reporting or other provisions of the policies, including breaches of warranties, shall not affect coverage provided to the CITY, its directors, officials, officers, employees, agents, and volunteers.

3.2.9.4 Separation of Insureds; No Special Limitations. All insurance required by this Section shall contain standard separation of insureds provisions. In addition,

such insurance shall not contain any special limitations on the scope of protection afforded to the CITY, its directors, officials, officers, employees, agents, and volunteers.

3.2.9.5 Deductibles and Self-Insurance Retentions. Any deductibles or self-insured retentions must be declared to and approved by the CITY. CONTRACTOR shall guarantee that, at the option of the CITY, either: (1) the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the CITY, its directors, officials, officers, employees, agents and volunteers; or (2) the CONTRACTOR shall procure a bond guaranteeing payment of losses and related investigation costs, claims, and administrative and defense expenses.

3.2.9.6 Acceptability of Insurers. Insurance is to be placed with insurers with a current A.M. Best's rating no less than A:VIII, licensed to do business in California, and satisfactory to the CITY.

3.2.9.7 Verification of Coverage. CONTRACTOR shall furnish CITY with original certificates of insurance and endorsements effecting coverage required by this Agreement on forms satisfactory to the CITY. The certificates and endorsements for each insurance policy shall be signed by a person authorized by that insurer to bind coverage on its behalf, and shall be on forms provided by the CITY if requested. All certificates and endorsements must be received and approved by the CITY before work commences. The CITY reserves the right to require complete, certified copies of all required insurance policies, at any time.

3.2.10 Safety. CONTRACTOR shall execute and maintain its work so as to avoid injury or damage to any person or property. In carrying out its Services, the CONTRACTOR shall at all times be in compliance with all applicable local, state, and federal laws, rules, and regulations, and shall exercise all necessary precautions for the safety of employees appropriate to the nature of the work and the conditions under which the work is to be performed. Safety precautions as applicable shall include but shall not be limited to: (A) adequate life protection and lifesaving equipment and procedures; (B) instructions in accident prevention for all employees and subcontractors, such as safe walkways, scaffolds, fall protection ladders, bridges, gang planks, confined space procedures, trenching and shoring, equipment and other safety devices, equipment and wearing apparel as are necessary or lawfully required to prevent accidents or injuries; and (C) adequate facilities for the proper inspection and maintenance of all safety measures.

3.2.11 Prevailing Wages. CONTRACTOR is aware of the requirements of California Labor Code Section 1720, et seq., and 1770, et seq., as well as California Code of Regulations, Title 8, Section 16000, et seq., ("Prevailing Wage Laws"), which require the payment of prevailing wage rates and the performance of other requirements on "public works" and "maintenance" projects. Because the Services are being performed as part of an applicable "public works" or "maintenance" project, as defined by the Prevailing Wage Laws, CONTRACTOR agrees to fully comply with such Prevailing Wage Laws by paying prevailing wages to employees providing Services under this Agreement. If required by law or regulation, CITY shall provide CONTRACTOR with a copy of the prevailing rates of per diem wages in effect at the commencement of this Agreement. CONTRACTOR shall make copies of the prevailing rates of per diem wages for each craft, classification, or type of worker needed to execute the Services available to interested parties upon request, and shall post copies at the CONTRACTOR's principal place of business and at the Project site. CONTRACTOR shall defend, indemnify and hold the CITY, its elected officials, officers, employees, and agents free and harmless from any

claim or liability arising out of any failure or alleged failure to comply with the Prevailing Wage Laws.

3.3 Fees and Payments.

3.3.1 Compensation. During the Initial Term of this Agreement, the total compensation paid each year for the Services performed under this Agreement shall not exceed a grand total of seven hundred sixteen thousand and one hundred dollars ($716,100.00) each year. For the entire Initial Term of this Agreement, the grand total compensation shall not exceed seven hundred sixteen thousand and one hundred dollars ($716,100). If the CITY chooses to exercise its option to extend this Agreement, the total compensation for the Services performed during any one-year extension period shall not exceed the total yearly amount specified for the Initial Term of this Agreement, as explained above. The CITY reserves the right to withhold a ten percent (10%) retention until CITY has accepted the work and/or Services specified in Exhibit "B". Incremental payments, if applicable, should be made based on work completed through the billing dates. Extra Work may be authorized as described below, and if authorized, will be compensated at the rates and manner set forth in this Agreement.

3.3.2 Payment of Compensation. CONTRACTOR shall submit to CITY a monthly itemized statement which indicates work completed and hours of Services rendered by CONTRACTOR. The statement shall describe the amount of Services and supplies provided since the initial commencement date, or since the start of the subsequent billing periods, as appropriate, through the date of the statement. CITY shall, within 45 days of receiving such statement, review the statement and pay all approved charges thereon.

3.3.3 Reimbursement for Expenses. CONTRACTOR shall not be reimbursed for any expenses unless authorized in writing by CITY.

3.3.4 Extra Work. At any time during the term of this Agreement, CITY may request that CONTRACTOR perform Extra Work. As used herein, "Extra Work" means any work which is determined by CITY to be necessary for the proper completion of the Project, but which the Parties did not reasonably anticipate would be necessary at the execution of this Agreement. CONTRACTOR shall not perform, nor be compensated for, Extra Work without written authorization from CITY's Representative, which may require the approval of the City Manager and/or City Council.

3.4 Accounting Records.

3.4.1 Maintenance and Inspection. CONTRACTOR shall maintain complete and accurate records with respect to all costs and expenses incurred under this Agreement. All such records shall be clearly identifiable. CONTRACTOR shall allow a representative of CITY during normal business hours to examine, audit, and make transcripts or copies of such records and any other documents created pursuant to this Agreement. CONTRACTOR shall allow inspection of all work, data, documents, proceedings, and activities related to this Agreement for a period of three (3) years from the date of final payment under this Agreement.

3.5 General Provisions.

3.5.1 Termination of Agreement.

3.5.1.1 Grounds for Termination. CITY may, by written notice to CONTRACTOR, terminate the whole or any part of this Agreement at any time and without cause by giving written notice to CONTRACTOR of such termination, and specifying the effective date thereof, at least seven (7) days before the effective date of such termination. Upon termination, CONTRACTOR shall be compensated only for those services which have been adequately rendered to CITY, and CONTRACTOR shall be entitled to no further compensation. CONTRACTOR may not terminate this Agreement except for cause.

3.5.1.2 Effect of Termination. If this Agreement is terminated as provided herein, CITY may require CONTRACTOR to provide all finished or unfinished documents and data and other information of any kind prepared by CONTRACTOR in connection with the performance of Services under this Agreement. CONTRACTOR shall be required to provide such documents and other information within fifteen (15) days of the request.

3.5.1.3 Additional Services. In the event this Agreement is terminated in whole or in part as provided herein, CITY may procure, upon such terms and in such manner as it may determine appropriate, services similar to those terminated.

3.5.2 Delivery of Notices. All notices permitted or required under this Agreement shall be given to the respective parties at the following address, or at such other address as the respective parties may provide in writing for this purpose:

CONTRACTOR:

West Coast Arborists, Inc.
2200 Via Burton
Anaheim, Ca 92806

CITY:

CITY of Claremont
P.O. Box 880
Claremont, CA 91711
Attn: Cari Dillman, Community Services Manager

Such notice shall be deemed made when personally delivered or when mailed, forty-eight (48) hours after deposit in the U.S. Mail, first class postage prepaid and addressed to the party at its applicable address. Actual notice shall be deemed adequate notice on the date actual notice occurred, regardless of the method of service.

3.5.3 Cooperation; Further Acts. The Parties shall fully cooperate with one another, and shall take any additional acts or sign any additional documents as may be necessary, appropriate or convenient to attain the purposes of this Agreement.

3.5.4 Attorney's Fees. If either Party commences an action against the other Party, either legal, administrative, or otherwise, arising out of or in connection with this Agreement, the prevailing Party in such litigation shall be entitled to have and recover from the non-prevailing Party reasonable attorney's fees and all other costs of such action.

3.5.5 Indemnification. CONTRACTOR shall defend, indemnify, and hold the CITY, its officials, officers, employees, volunteers, and agents free and harmless from any and all claims, demands, causes of action, costs, expenses, liability, loss, damage, or injury, in law or equity, to property or persons, including wrongful death, in any manner arising out of or incident

to any alleged acts, omissions, negligence, or willful misconduct of CONTRACTOR, its officials, officers, employees, agents, consultants, and contractors arising out of or in connection with the performance of the Services, the Project or this Agreement, including without limitation the payment of all consequential damages and attorney fees and other related costs and expenses. CONTRACTOR shall defend, at CONTRACTOR's own cost, expense, and risk, any and all such aforesaid suits, actions, or other legal proceedings of every kind that may be brought or instituted against CITY, its directors, officials, officers, employees, agents, or volunteers. CONTRACTOR shall pay and satisfy any judgment, award, or decree that may be rendered against CITY or its directors, officials, officers, employees, agents, or volunteers, in any such suit, action, or other legal proceeding. CONTRACTOR shall reimburse CITY and its directors, officials, officers, employees, agents, and/or volunteers for any and all legal expenses and costs incurred by each of them in connection therewith or in enforcing the indemnity herein provided. CONTRACTOR's obligation to indemnify shall not be restricted to insurance proceeds, if any, received by the CITY, its directors, officials, officers, employees, agents, or volunteers.

3.5.6 Entire Agreement. This Agreement contains the entire agreement of the parties with respect to the subject matter hereof, and supersedes all prior negotiations, understandings, or agreements. This Agreement may only be modified by a writing signed by both parties.

3.5.7 Governing Law. This Agreement shall be governed by the laws of the State of California. Venue shall be in Los Angeles County.

3.5.8 Time of Essence. Time is of the essence for each and every provision of this Agreement.

3.5.9 CITY's Right to Employ Other Contractors. The CITY reserves the right to employ other Contractors in connection with this Project.

3.5.10 Successors and Assigns. This Agreement shall be binding on the successors and assigns of the Parties.

3.5.11 Assignment or Transfer. CONTRACTOR shall not assign, hypothecate, or transfer, either directly or by operation of law, this Agreement or any interest herein without the prior written consent of the CITY. Any attempt to do so shall be null and void, and any assignees, hypothecates or transferees shall acquire no right or interest by reason of such attempted assignment, hypothecation, or transfer.

3.5.12 Construction; References; Captions. Since the Parties or their agents have participated fully in the preparation of this Agreement, the language of this Agreement shall be construed simply, according to its fair meaning, and not strictly for or against any Party. Any term referencing time, days, or period for performance shall be deemed calendar days and not work days. All references to CONTRACTOR include all personnel, employees, agents, and sub-contractors of CONTRACTOR, except as otherwise specified in this Agreement. All references to CITY include its elected officials, officers, employees, agents, and volunteers except as otherwise specified in this Agreement. The captions of the various articles and paragraphs are for convenience and ease of reference only, and do not define, limit, augment, or describe the scope, content, or intent of this Agreement.

3.5.13 Amendment; Modification. No supplement, modification, or amendment of this Agreement shall be binding unless executed in writing and signed by both Parties.

3.5.14 Waiver. No waiver of any default shall constitute a waiver of any other default or breach, whether of the same or other covenant or condition. No waiver, benefit, privilege, or service voluntarily given or performed by a Party shall give the other Party any contractual rights by custom, estoppel, or otherwise.

3.5.15 No Third Party Beneficiaries. There are no intended third party beneficiaries of any right or obligation assumed by the Parties.

3.5.16 Invalidity; Severability. If any portion of this Agreement is declared invalid, illegal, or otherwise unenforceable by a court of competent jurisdiction, the remaining provisions shall continue in full force and effect.

3.5.17 Prohibited Interests. CONTRACTOR maintains and warrants that it has not employed nor retained any company or person, other than a bona fide employee working solely for CONTRACTOR, to solicit or secure this Agreement. Further, CONTRACTOR warrants that it has not paid nor has it agreed to pay any company or person, other than a bona fide employee working solely for CONTRACTOR, any fee, commission, percentage, brokerage fee, gift, or other consideration contingent upon or resulting from the award or making of this Agreement. For breach or violation of this warranty, CITY shall have the right to rescind this Agreement without liability. For the term of this Agreement, no member, officer, or employee of CITY, during the term of his or her service with CITY, shall have any direct interest in this Agreement, or obtain any present or anticipated material benefit arising therefrom.

3.5.18 Equal Opportunity Employment. CONTRACTOR represents that it is an equal opportunity employer, and it shall not discriminate against any subcontractor, employee, or applicant for employment because of race, religion, color, national origin, handicap, ancestry, sex, or age. Such non-discrimination shall include but not be limited to all activities related to initial employment, upgrading, demotion, transfer, recruitment or recruitment advertising, layoff, or termination. CONTRACTOR shall also comply with all relevant provisions of CITY's Minority Business Enterprise program, Affirmative Action Plan or other related programs or guidelines currently in effect or hereinafter enacted.

3.5.19 Labor Certification. By its signature hereunder, CONTRACTOR certifies that it is aware of the provisions of Section 3700 of the California Labor Code which require every employer to be insured against liability for Worker's Compensation or to undertake self-insurance in accordance with the provisions of that Code, and agrees to comply with such provisions before commencing the performance of the Services.

3.5.20 Authority to Enter Agreement. CONTRACTOR has all requisite power and authority to conduct its business and to execute, deliver, and perform the Agreement. Each Party warrants that the individuals who have signed this Agreement have the legal power, right, and authority to make this Agreement and bind each respective Party.

3.5.21 Counterparts. This Agreement may be signed in counterparts, each of which shall constitute an original.

3.6 Subcontracting.

3.6.1 Prior Approval Required. CONTRACTOR shall not subcontract any portion of the work required by this Agreement, except as expressly stated herein, without prior written

approval of CITY. Subcontracts, if any, shall contain a provision making them subject to all provisions stipulated in this Agreement.

CITY OF CLAREMONT

By: _____
City Manager

By: _____
Mayor

Approved as to Form:

_____
Rutan & Tucker

WEST COAST ARBORISTS, INC.

By: _____
Pat Mahoney
President

EXHIBIT A

SCHEDULE OF SERVICES

MANNER OF PERFORMING SERVICES

1.0 GENERAL REQUIREMENTS

1.01 It shall be understood that the CONTRACTOR will be required to perform and complete the proposed tree maintenance work in a thorough and professional manner, and to provide all labor, tools, equipment, materials and supplies necessary to complete all the work in a timely manner that will meet the CITY's requirements as outlined in the CITY of Claremont Tree Policies and Guidelines Manual (Appendix B).

The CONTRACTOR can be required to perform the following tree maintenance in a timely and workmanlike manner, activities at various sites throughout the CITY:

- Tree pruning
- Planting
- Tree removal
- Emergency response
- Line clearance pruning
- Clearance pruning
- Tree watering
- Young tree care including structural pruning
- Root pruning
- Arborist services
- Data entry

1.02 The CONTRACTOR shall provide qualified tree workers trained according to the tree care standards and best management practices accepted by the International Society of Arboriculture (ISA), National Arborist's Association and the American National Standards Institute (ANSI).

1.03 All operations will be conducted so as to provide maximum safety for the public and the CONTRACTOR's employees.

1.04 CONTRACTOR shall provide qualified tree workers certified to perform tree work near energized primary and secondary electrical distribution lines. CONTRACTOR shall comply with the Electrical Safety Orders issued by the State of California, Occupational Health and Safety Administration (Cal-OSHA) including all amendments and revisions.

1.05 CONTRACTOR must hold a valid C-27 and C61/D49 Contractor's license issued by the California Department of Consumer Affairs, Contractor's State License Board. The license must be in good standing for the previous three (3) consecutive years without any official unresolved record of complaints registered or filed with the aforementioned agencies.

1.06 CONTRACTOR shall have certification from the U.S. Department of Labor, Occupational Safety and Health Administration (OSHA) in aerial equipment and the most recent California Highway Patrol Commercial Vehicle Inspection report for equipment to be used throughout the term of this project. Proof of both of these provisions shall be included with the submission of contract documents.

1.07 The CONTRACTOR shall also include a work plan in the proposal that the firm will use to complete the project. Additionally, the CONTRACTOR shall submit a written description of the firm's internal tree maintenance and arboricultural training program.

1.08 CONTRACTOR should have multiple crews available to work concurrently depending on the CITY's current and future pruning needs.

1.09 All pruning specifications, as specified in Exhibit B, shall be adhered to throughout the term of the contract. In addition, all pruning work shall be performed by an ISA certified arborist and/or ISA certified tree worker or under the direct supervision of an ISA certified tree worker. The CONTRACTOR shall have an ISA certified arborist on staff.

1.10 The CONTRACTOR shall maintain all trees in accordance to the *American National Standards Institute (ANSI) A300 (Part 1) – 2017 Pruning* and the companion publication *Best Management Practices: Tree Pruning* as adopted by ISA.

1.11 Upon commencement of work under this CONTRACT, CONTRACTOR shall be fully equipped and staffed; thoroughly familiar with CONTRACT requirements and prepared to provide all services required.

1.12 The work shall commence as outlined in the CONTRACTOR's proposal and as agreed to by the CITY's REPRESENTATIVE. In the event that the CITY's REPRESENTATIVE is of the opinion that the work is being inadequately or improperly executed in any respect, he/she may demand that the CONTRACTOR improve or change the execution of the work in such a manner as to ensure proper and timely completion prior to any approval for payment.

1.13 The service/storage yard, from which the crews are dispatched, MUST be within 50 miles of the CITY of Claremont.

1.14 As safety is our primary concern, no standard or service grid work will be allowed during inclement weather. Emergency and other 'on-call' service is an exception to this restriction.

1.15 The CONTRACTOR shall maintain good public relations at all times. The work shall be conducted in a manner that will cause the least possible interference and annoyance to the public. At all times during contracted tree maintenance activities, the firm shall have work crews on site that are represented by an English-speaking supervisor who can receive and carry out instructions given by the designated CITY's REPRESENTATIVE. The CONTRACTOR shall be responsible for

ensuring that private property/CITY property and vehicles at work locations are not endangered or damaged during the course of work.

1.16 The CONTRACTOR shall ensure that good traffic control measures are implemented at all times and provide for adequate safety precautions for its employees and the public.

1.17 The CONTRACTOR shall exercise precautions as necessary when working adjacent to aerial and subterranean utilities. In the event that aerial utility wires present a hazard to the CONTRACTOR's personnel or others near the work site, work is to immediately cease and the appropriate utility company shall be notified. Work shall then commence in accordance with instructions from the utility company. In the event that work causes excavation, the CITY is responsible for properly marking the location of work, and the CONTRACTOR is responsible for appropriate notification of Underground Service Alert (USA).

1.18 Grid prune shall be performed in eleven (11) districts (approximately two (2) per year minimum or approximately 3,500 trees) as directed by the REPRESENTATIVE.

1.19 All work worksites shall be clean of debris at all times, in accordance with Technical Specifications Section 24.

1.20 The CONTRACTOR shall properly dispose of all tree debris generated being mindful of the importance of green waste recycling. A monthly green waste tonnage report shall be submitted monthly to the CITY's REPRESENTATIVE.

1.21 All unusual and/or hazardous conditions in the work site shall be immediately reported to the CITY. It shall be the CONTRACTOR's responsibility to rectify said conditions.

1.22 The term "Special Circumstances" shall refer to any unforeseen natural or man-made event(s) which directly impact(s) the health and vigor of the CITY's urban forest which is outside of the CONTRACTOR's control. This may include but is not limited to periods of extended drought or extreme heat; mass infestation of plant material by diseases, animals, or insects; earthquakes; floods; fire; or any natural or man-made disasters. The CITY reserves the right to determine when the CONTRACTOR cannot be made liable for any unforeseen losses which would fall under the category of "Special Circumstances".

2.0 PAYMENTS AND INVOICES

2.01 The unit prices called for in the proposal shall be full compensation for all labor, materials and equipment necessary to complete the work as specified. No further compensation shall be made unless authorized by the CITY's REPRESENTATIVE.

2.02 The CONTRACTOR shall present monthly invoices, for all work performed during the preceding month. Said invoice shall include all required certifications and

reports as specified hereinafter. The invoice shall be submitted on or before the fifth (5th) day of each month in the amount of the compensation to be paid by the CITY for all services rendered by the CONTRACTOR under the terms and conditions of this AGREEMENT. Said payment shall be made in a timely manner upon receiving the invoices, providing that all work performed during the preceding month has been inspected and accepted by the CITY's REPRESENTATIVE and the applicable certifications have been submitted in accordance with the provisions of this AGREEMENT.

2.03 CONTRACTOR shall invoice all work types separately or in sub-sections providing totals for each work type for tracking purposes.

2.04 All invoices must provide, at minimum, the following information:

1. Date, Invoice Number, Job Number
2. Job Description
3. Tree Maintenance Description Summarized by Work Type and Cost:
    a. Work Type
    b. Tree size
    c. Quantity
    d. Unit Cost
    e. Total Cost per work type
4. Detailed Tree Description
    a. Grid Number
    b. Street Address
    c. Location and Tree Number
    d. On Address
    e. Botanical and Common Name
    f. Diameter at Breast Height
    g. Height
    h. Date work complete
5. Hazardous Tree Notification. If it is noticed in the field at tree is hazardous and needs to be assessed by an arborist a report should be included in the monthly invoicing, UNLESS the hazard requires immediate attention.

3.0 INSPECTIONS, MEETINGS, AND REPORTS

3.01 The CITY reserves the right to perform inspections, including inspection of CONTRACTOR's equipment, at any time for the purpose of verifying CONTRACTOR's performance of Agreement requirements and identifying deficiencies.

3.02 The CONTRACTOR or authorized representative may meet with the CITY's REPRESENTATIVE or authorized representative on each site at the discretion and convenience of the CITY's REPRESENTATIVE, for inspections.

4.0 ENFORCEMENT AND DEDUCTIONS

4.01 The CITY's REPRESENTATIVE shall be responsible for the enforcement of this AGREEMENT on behalf of the CITY.

4.02 The CONTRACTOR shall be notified of service deficiency by delivery of a PERFORMANCE DEFICIENCY NOTIFICATION (Appendix A) by the CITY's REPRESENTATIVE. Said notice will serve as formal notification to the CONTRACTOR that a sufficiently material service deficiency has occurred such that termination of this Agreement may result if satisfactory corrective action is not taken by the CONTRACTOR.

The PERFORMANCE DEFICIENCY NOTIFICATION will contain the acceptable time period for service correction. Upon notification to the CITY's REPRESENTATIVE that corrective action has been taken, said correction(s) will either be accepted or rejected. If accepted, part or all of the penalties may be waived, regardless of whether the CONTRACTOR has incurred loss as a result of said service failure.

The CONTRACTOR will be notified of correction acceptance status in writing. Should any correction not be accepted, a separate additional PERFORMANCE DEFICIENCY NOTIFICATION will be transmitted to the CONTRACTOR, thus increasing the number of DEFICIENCY NOTICES received by the CONTRACTOR.

If the CONTRACTOR should neglect or refuse or fail for any reason to perform the corrective work, the CITY may terminate the Agreement for non-performance.

4.03 If, in the judgment of the CITY's REPRESENTATIVE, the CONTRACTOR is deemed to be non-compliant with the terms and obligations of the Agreement, the CITY's REPRESENTATIVE, may, in addition to other remedies provided herein and deduct pro-rata from CONTRACTOR's invoice for work not performed. Written notice will be forwarded to the CONTRACTOR by the CITY's REPRESENTATIVE describing the reasons for said action. The monthly PERFORMANCE DEFICIENCY NOTIFICATION report shall constitute reason for any deductions so imposed.

4.04 The action above shall not be construed as a penalty but as an adjustment or payment to CONTRACTOR to recover cost or loss due to failure of the CONTRACTOR to complete or comply with the provisions of this CONTRACT.

4.05 In case of termination by the CITY for deficiencies, the CITY may contract or cause to be done any work not completed at the time of termination, and the CONTRACTOR shall pay for such work.

5.0 CONTRACTOR'S DAMAGES

5.01 All damages incurred to the surrounding area including but not limited to hardscape and landscape, curb, sidewalk, irrigation, etc. by the CONTRACTOR'S operation shall be repaired or replaced, by the CONTRACTOR or by other forces, all at the direction and approval of the CITY's REPRESENTATIVE, and all at the CONTRACTOR'S expense.

5.02 All such repairs or replacements, which are directed by the CITY's REPRESENTATIVE to be done by the CONTRACTOR, shall be completed within the following time limits.

5.02.1 All damages to landscape, turf or hardscape shall be repaired or replaced within three (3) working days.

5.02.2 All damage to irrigation shall be repaired or replaced with in forty-eight (48) hours.

5.02.3 Trees: If damage results in loss or significant compromise to the health of a tree, the damaged tree shall be removed and replaced to comply with the specific instructions of the CITY's REPRESENTATIVE.

5.02.4 Shrubs: Minor damage may be corrected by appropriate pruning. Major damage shall be corrected by removal and replacement of the shrub.

5.03 All damages and injuries caused, as a result of work by the CONTRACTOR will be the sole responsibility of the CONTRACTOR to rectify and hold the CITY of Claremont harmless in all cases.

6.0 COMMUNICATIONS

6.01 The CONTRACTOR shall, during the terms of this CONTRACT, maintain a toll free single telephone number, at which the CONTRACTOR or CONTRACTOR'S responsible employee may be contacted during regular business hours.

6.02 The CONTRACTOR shall maintain a written log of all communications, the date and the time thereof and the action taken pursuant thereto or the reason for non-action. Said log of complaints shall be open to the inspection of the CITY's REPRESENTATIVE at all reasonable times.

6.03 CONTRACTOR'S supervisor and foreman shall carry a cellular telephone at all times. Supervisor and Foreman shall respond to any call from the CITY within ten minutes during regular working hours. The CITY shall not contact the CONTRACTOR'S Foreman except during normal working hours.

7.0 TRAFFIC CONTROL

7.01 Prior to any work in the public right-of-way, the CONTRACTOR shall obtain permits as required by the CITY Traffic Engineer to perform work in the public right-of -way. The CITY's REPRESENTATIVE will work with the CONTRACTOR to obtain said permits and the CITY shall waive all applicable permit fees.

7.02 The CONTRACTOR shall comply will all requirements of the CITY Traffic Engineer and shall bear all costs for required traffic control including, but not limited to signs, cones, markers, flagmen, etc. The CONTRACTOR will be responsible for supplying and using all safety equipment necessary to close or delineate traffic lanes to through traffic. This is to include a high visibility illuminated arrow boards, sign stands, delineators and/or cones to be used to identify work sites for vehicular and pedestrian safety, as may be required by the CITY in accordance with the California Manual on Uniform Traffic Control Devices (CMUTCD).

7.03 The CONTRACTOR shall give the CITY's REPRESENTATIVE a minimum of a week's advance notice of any and all lane closures.

8.0 SAFETY

8.01 CONTRACTOR agrees to perform all work outlined in this CONTRACT in such a manner as to meet all accepted standards for safe practices during maintenance operations and to safely maintain stored equipment, machines, and materials or other hazards consequential or related to the work; and agrees additionally to accept the sole responsibility for complying with all CITY, County, State, or Federal requirements at all times so as to protect all persons, including CONTRACTOR'S employees, agents of the CITY, vendors, members of the public or others from foreseeable injury, or damage. All work shall be performed in a safe manner in compliance with the ANSI Z-133.1 safety standards for tree care operations as published by the American National Safety Institute, Inc., 1430 Broadway, New York, NY 10018.

8.02 It shall be the CONTRACTOR'S responsibility to inspect and identify, any condition(s) that renders any portion of the worksite unsafe, as well as any safe practices occurring thereon. The CITY's REPRESENTATIVE shall be notified immediately of any unsafe condition that requires major correction. CONTRACTOR shall be responsible for making minor corrections to the worksite, using CMUTCD standards for identifying the existence of hazards.

8.03 CONTRACTOR shall notify the CITY's REPRESENTATIVE immediately of any accident, injury, or persons requiring emergency services on the worksite and, if so requested, shall prepare a written report thereof to the CITY's REPRESENTATIVE within three (3) calendar days following the occurrence. CONTRACTOR shall cooperate fully with the CITY in the investigation of any such occurrence.

9.0 HOURS AND DAYS OF MAINTENANCE SERVICES

9.01 The basic daily hours of maintenance service shall be 7:00 a.m. to 5:00 p.m., which shall be considered normal work hours as may pertain to any other provision of the CONTRACT.

9.02 CONTRACTOR shall provide staffing to perform the required maintenance services during the prescribed hours five (5) days per week, Monday through Friday. Any changes in the days and hours of operation heretofore prescribed shall be subject to approval by the CITY's REPRESENTATIVE.

9.03 The use of power tools is prohibited prior to 8:00 a.m. and after 6:00 p.m., Monday through Saturday, and all day on Sundays and Holidays.

9.04 Per State of California Labor Code, CONTRACTOR is directed to the following prescribed requirements with respect to the hours of employment. Eight (8) hours of labor under this CONTRACT shall constitute a legal day's work and said CONTRACTOR shall not require or permit any laborer, worker or mechanic, or any sub-contractor employed by him to perform any of the work described herein to labor more than eight (8) hours during any one day or more than forty (40) hours during any one calendar week, except as authorized by State of California Labor Code Section 1815.

10.0 CONTRACTOR'S STAFF AND TRAINING

10.01 The CONTRACTOR shall provide sufficient personnel to perform all work in accordance with the specifications set forth herein.

10.02 CONTRACTOR'S personnel shall possess the minimum qualifications for the position in which each is working, as set forth in Exhibit B of Bid CS-23-02.

10.03 The CONTRACTOR shall implement adequate safety measures at all times to ensure the safety of its employees and the public. The CONTRACTOR shall comply with all applicable local, federal, and state occupational safety and health standards, *ANSI Z133.1-2006 for Arboricultural Operations – Safety Requirements*, the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and other applicable U.S Environmental Protection Agency (EPA) regulations, as well as state and local regulations.

10.04 CONTRACTOR is encouraged to promote participation in, and certification by professional associations. CONTRACTOR'S systematic skills training program, and certifications required by the CONTRACTOR for employees in a given position, should be noted in CONTRACTOR's Proposal in response to Bid No. CS-23-02.

10.05 Each crew of CONTRACTOR'S employees shall include at least one individual who speaks the English language proficiently. For the purpose of this section a crew is understood to be any individual worker or group of works who might service any tree without the CONTRACTOR'S supervisory personnel present.

10.06 The CITY's REPRESENTATIVE may at any time give CONTRACTOR written notice to the effect that the conduct or action of a designated employee of CONTRACTOR is, in the reasonable belief of the CITY's REPRESENTATIVE, detrimental to the interest of the pubic patronizing the worksite. CONTRACTOR shall meet with representatives of the CITY's REPRESENTATIVE to consider the appropriate course of action with respect to such matter and CONTRACTOR shall take reasonable measures under the circumstances to assure the CITY's REPRESENTATIVE that the conduct and activities of CONTRACTOR'S employees will not be detrimental to the interest of the public patronizing the worksites.

10.07 The CITY's REPRESENTATIVE may at any time order any of the CONTRACTOR'S personnel removed from the worksites when, in the reasonable belief of the or the CITY's REPRESENTATIVE, said CONTRACTOR'S personnel is objectionable, unruly, unsafe, or otherwise detrimental to the interest of the CITY or the public patronizing the worksites.

10.08 The CONTRACTOR shall require each of his personnel to adhere to basic public works standards of working attire including uniform shirts and/or vests clearly marked with the CONTRACTOR'S company name and employee name badges as approved by the CITY's REPRESENTATIVE. Sufficient changes shall be provided to present a neat and clean appearance of the CONTRACTOR'S personnel at all times. Shirts shall be worn and buttoned at all times. CONTRACTOR'S personnel shall be equipped with proper shoes and other gear required by OSHA. Brightly colored vests or reflectors shall be worn when personnel are working near vehicular traffic. CONTRACTOR'S personnel shall comply with all OSHA and ANSI 133 safety equipment for tree workers.

10.09 The CONTRACTOR shall use vehicles and equipment marked with company logos at all times, even during afterhours and on call response.

10.10 The CONTRACTOR must comply with and hold an HIPP (heat injury illness plan) as stated by OSHA. All water will be supplied and paid for by CONTRACTOR.

11.0 NON-INTERFERENCE – NOISE

11.01 CONTRACTOR shall not interfere with the public use of the worksites and shall conduct its operations as to offer the least possible obstruction and inconvenience to the public or disruption to the peace and quiet of the area within which the services are performed.

11.02 In the event that the CONTRACTOR'S operations must be performed when persons of the public are present, CONTRACTOR shall courteously inform said persons of any operations that might affect them and, if appropriate, request person to move out of the work area.

11.03 CONTRACTOR shall be subject to local ordinances regarding noise levels with regard to equipment operations. CONTRACTOR shall not use any power equipment prior to 8:00 a.m. and after 6:00 p.m., Monday through Saturday, and all day on Sundays and Holidays. Further, any schedule of such operations may be modified by or the CITY's REPRESENTATIVE in order to ensure that the public is not unduly impacted by the noise created by such equipment.

12.0 NOTIFICATION TO RESIDENTS

12.01 CONTRACTOR shall notify all affected residents and businesses of tree pruning operations (48) forty-eight hours before the start of work. The CONTRACTOR shall be responsible for advance notification, which will include door hangers, to the residents at each work location of the intended tree operations.

12.02 CONTRACTOR is responsible for posting "temporary no-parking" signs at least (48) forty-eight hours before using any parking lanes for tree trimming operations. Every effort shall be made by the CONTRACTOR to minimize the duration of driveway blocking. Further the CONTRACTOR shall provide access to each residential or commercial establishment each evening.

13.0 CERTIFIED ARBORIST

13.01 The CONTRACTOR shall employ a full-time, permanent Certified Arborist, as accredited by the International Society of Arboriculture at the time of proposal submittal, bid award and for the duration of the Agreement. The Certified Arborist shall be responsible for the CONTRACTOR's employees performing the work as specified herein, daily inspections of the work site and supervision of the CONTRACTOR's employees. The Certified Arborist shall represent the CONTRACTOR regarding any disputes that may arise with the CITY, public and the CONTRACTOR's employees.

TECHINICAL SPECIFICATIONS

14.0 Technical Specifications

Trees are pruned principally to preserve their health and appearance (the natural form of the tree) and to prevent damage to human life and to property. Broken, dead, dying, diseased, decaying, interfering, obstructing, weak, and crossing limbs are pruned to prevent decay from spreading. Live branches are to be removed to permit penetration of sunlight and air circulation which helps maintain a strong and healthy tree.

Tree limbs shall be removed and controlled in such a manner as to cause no damage to other parts of the tree or to other plants or property.

14.01 All trees should be examined for hazards prior to commencing work. Hangers and dead wood should be removed first. The specific techniques employed shall be consistent with industry practice for the size and species of tree being pruned.

14.02 Hooks, gaffs, spikes, or spurs are prohibited on live trees and will be used only for removals or in case of an aerial rescue.

14.03 Any vines growing on the trees shall be removed at ground level.

14.04 Any extraneous metal, wire, rubber, or other material, such as stakes or ties, interfering with tree growth shall be removed immediately.

14.05 Any defective or weakened trees shall be reported to the CITY's REPRESENTATIVE. Specifically, any structural weakness of a tree, decayed trunk or branches, shall be reported in writing, noting the location of the tree by street address and a description of the hazard found in the tree. These known hazardous tree(s) must be brought to the attention of the CITY's REPRESENTATIVE as soon as possible.

15.0 Pruning

All trees are to be pruned per the following pruning classifications:

15.01 **Light Prune** is performed when conditions within the crown of a hardwood tree are such that only target pruning is needed. Trees that are identified for a Light Prune shall have no more than 10 percent of the live foliage removed. A Light Prune typically consists of one or more of the following pruning treatments found in sections b and f below.

15.02 **Grid Prune** is performed when conditions within the crown of a hardwood tree are such that the entire tree needs to be fully pruned. Complete pruning is recommended when the primary objective is to maintain or improve tree health and structure, and includes pruning to reduce overall canopy mass and excessive wood weight. Trees that are identified for a Grid Prune shall have no more than 15 percent of the live foliage removed. A Grid Prune typically consists of one or more of the following pruning treatments found in sections a., b., c., d., e., and f. below.

15.03 **Large Scale Prune** is performed when conditions within the crown of a hardwood tree are such that the entire tree needs to be fully pruned. Complete pruning is

recommended when the primary objective is to maintain or improve tree health and structure, and includes pruning to reduce overall canopy mass and excessive wood weight. Trees that are identified for Large Scale Prune shall have no more than 20 percent of the live foliage removed, have a diameter breast height above 29 inches, and/or a 50-foot spread. All Large Scale Pruning shall be pre-authorized by the CITY's REPRESENTATIVE. A Large Scale Prune typically consists of one or more of the following pruning treatments found in sections a., b., c., d., e., and f. below.

15.04 **Service Request Prune** shall require CONTRACTOR to provide tree maintenance services on designated tree(s) as ordered by the CITY's REPRESENTATIVE. Duration of tree maintenance services could be less than one full workday, requiring CONTRACTOR to mobilize to another work area. Most assignments will require several job site set-ups to perform the work dependent on field conditions. A Service Request Prune typically consists of one or more of the following pruning treatments found in sections a., b., c., d., e., and f. below.

a. Structural Prune: Structural Pruning is the removal of live branches and stems to influence the orientation, spacing, growth rate, strength of attachment, and ultimate size of branches and stems. Structural Pruning is used on young and medium-aged trees to help engineer a sustainable trunk and branch arrangement. If young trees are pruned to promote good structure, they likely will remain serviceable in the landscape for more years than trees that have not been structurally pruned. This pruning type can be summed up in the phrase: subordinate or remove co-dominant stems. Small-maturing trees and shrubs are structurally pruned to properly space co-dominant stems, reduce or remove rubbing limbs, and provide desirable crown configuration. All branches are to be kept less than half the trunk diameter. Spacing scaffold limbs allows for the trunk and leader to develop properly, gives the canopy a more balanced form, and reduces wind resistance. Suppress growth on branches with included bark to minimize the chance of breakage.

b. Crown Cleaning: Crown Cleaning or cleaning out is the removal of dead, diseased, crowded, weakly attached and low-vigor branches and water sprouts from the entirety of the tree crown. Cleaning is the selective removal of dead, diseased, detached, and broken branches. This type of pruning is done to reduce the risk of branches falling from the tree and to reduce the movement of decay, insects, and diseases from dead or dying branches into the rest of the tree. It can be performed on trees of any age but is most common on medium-aged and mature trees. Cleaning is the preferred pruning type for mature trees because it does not remove live branches unnecessarily. Cleaning removes branches with cracks that may fail when the interior wood dries.

c. Crown Thinning: Crown Thinning includes the selective removal of branches to increase light penetration and air movement into and through the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of heavy limbs. Care must be used to avoid stripping branches of all foliage

at the interior of the tree crown. This practice, known as "lion tailing" disrupts the structural integrity of the tree, making it subject to limb and branch failure, especially during high winds. Thinning the crown can emphasize the structural beauty of trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, up to 20 percent of the live foliage can be removed unless directed otherwise by the CITY's REPRESENTATIVE.

d. Crown Reduction: Crown Reduction is used to reduce the height and/or spread of a tree. Crown reduction varies from topping, a destructive practice, in that cuts are not made indiscriminately, resulting in large stubbed off limbs that are subject to decay. Reduction is the selective removal of branches and stems to decrease the height and/or spread of a tree or shrub. This type of pruning is done to minimize the risk of failure, to reduce height or spread, for utility line clearance, to clear vegetation from buildings or other structures, or to improve the appearance of the tree. Portions of the crown, such as individual limbs, can be reduced to balance the canopy, provide clearance, or reduce likelihood of breakage on limbs with defects. While reducing a crown, tree workers must adhere to basic tree trimming practices involving limb/branch size relationships and use of the branch collar in avoiding the onset of decay at cut sites.

e. Crown Restoration: Crown Restoration is corrective pruning used as a means to restore the form of crowns that have been previously damaged by extenuating circumstances. Restoration is the selective removal of branches, sprouts, and stubs from trees that have been topped, severely headed, vandalized, lion tailed, broken in a storm, or otherwise damaged. The goal of restoration is to improve a tree structure, form, or appearance. Properly done, this technique provides a more pleasing, unpruned natural look to the tree compared to topping or shearing.

f. Crown Raising: Crown Raising consists of removing the lower branches of a tree in order to provide clearance for buildings, vehicles, and pedestrians. It is important that a tree have at least one-half (1/2) of its foliage on branches that originate in the lower two-thirds of its crown to ensure a well-formed, tapered structure and to uniformly distribute stress within the tree.

15.05 Small limbs, including suckers and waterspouts, shall be cut close to the trunk or branch from which they arise.

15.06 Remove all dead, broken, damaged, diseased, or insect-infested limbs.

15.07 Undercut any branch that may rip, tear or split if not undercut. The remaining limbs and branches shall not be split or broken at the cut. All crossed or rubbing limbs shall be removed unless removal will result in large gaps in the general outline of the tree.

15.08 Encourage radial distribution of all branches to provide sufficient number of scaffold branches to fill the circular spaces as concentrically as possible around the trunk.

15.09 Limbs shall be removed at the trunk or main branch. Final trimming cuts shall be made without leaving a stub. Cuts shall be made just outside the branch collar area so that healing can readily start under normal conditions. Extreme flush cuts, which produce large wounds and weaken the tree at the cut, shall not be made.

15.10 Prevent branch and foliage interference with the requirements of safe public passage.

15.11 **Street, Sidewalk, and Visibility Clearance** All trimming shall provide adequate clearance for any obstructed signage, streetlight, safety light, or other approved standard. Street and sidewalk clearance standards shall be achieved through crown raising. Crown raising is the removal of lower branches in order to provide clearance for vehicles, pedestrians and bicyclists. Branches should not be arbitrarily cut to a pre-established clearance limit.

15.11.1 **Over sidewalks or park paths**, limbs shall be raised to a minimum of seven (7') feet and a maximum of eight (8') feet from grade to wood. In locations where no sidewalks exist, limbs may be retained below this minimum elevation as long as they conform to the natural shape of the species. In locations where CITY street trees are set back from, or do not interfere with, sidewalk traffic, limbs may also be retained below this minimum height specification.

15.11.2 **Over residential or collector streets**, limbs shall be raised gradually from eight (8') feet at curb to fourteen (14) feet over traffic lanes from the grade to wood giving the appearance of an arch rather than an angle. Select streets may require a higher maximum over traffic lanes for existing mature canopy-forming limbs.

15.11.3 **Over arterial streets**, limbs shall be raised to fourteen (14) feet from grade to wood. Select streets may require a higher maximum over traffic lanes for existing mature canopy-forming limbs.

15.12 Whether over sidewalk or street, where the lowest limb is attached to a trunk above the desired elevation but extends below that elevation, the entire limb shall not be removed.

15.13 Visibility clearance for streetlights or signage shall be achieved through "windowing" through the foliage of a tree, rather than severely raising or reducing its crown. Only those branches that need to be removed to attain the visibility clearance desired shall be pruned. All such pruning cuts shall be thinned back to the nearest lateral found away from the structure that is to be cleared.

15.14 **Utility Clearance Pruning** In general, line clearance is performed by the utility companies. Line clearance tree workers must be trained to work safely around high voltage conductors. The United States Occupational Safety and Health

Act (OSHA) and the American National Standards Institute (ANSI) have established minimum distances to be maintained by tree workers from electrical conductors. All line clearance work involving CITY trees shall adhere to these standards, as well as the utility pruning standards established by the International Society of Arboriculture (ISA) and the Utility Arborists Association (UAA). General Order 95, Rule 35 of the California Public Utilities Commission (CPUC) mandates that trees must maintain an eighteen-inch clearance from high voltage transmission lines.

16.0 Unacceptable Pruning

Non-industry accepted procedures including but not limited to those listed below will result in tree decline and are not allowed (storm damage and other extenuating circumstances exempted).

16.01 Severe cutting back of all growing tips usually referred to as topping, stub cutting, hat raking, and pollarding are unacceptable pruning practices and will not be tolerated under any circumstances other than during complete removals. Lion-tailing, by removing all the inner foliage, displaces the weight to the ends of the branches and can result in sunburned branches, water sprouts, weakened branch structure and limb breakage.

16.02 Flush cutting where a cut is made even with the surface of the trunk or limb, removing the branch collar and branch bark ridge is not acceptable.

16.03 Stub cutting where branch removal results in the base of branch removed protruding more than one-fourth (1/4) inch beyond the zone of branch collar and branch bark ridge is not an acceptable practice.

16.04 Do not remove a healthy main leader for reasons other than power line clearance.

16.05 Pruning cuts should be determined by structure and branching habit of the species. Branches should not be arbitrarily cut to a pre-established clearance limit.

16.06 Heading cuts and/or topping will not be allowed under any circumstances. Heading, rounding over, or stubbing are not accepted practices for reducing the size or the framework of any tree.

16.07 Excessive cutting or lifting that exceeds ISA or these specifications is unacceptable, and the CONTRACTOR shall replace and/or reimburse the CITY at CONTRACTOR's sole expense any trees that have declined in health due to use of improper pruning procedures. Reimbursement value shall be determined using the 9th Edition of the Guide for Plant Appraisal by the Council of Tree and Landscape Appraisers.

17.0 Root Pruning

17.01 All root pruning shall be at the direction of the CITY's REPRESENTATIVE, who will provide locations where tree roots are to be severed usually along edges,

sidewalks, or curbs. The CONTRACTOR is responsible to repair any damage done, including repairs of sprinkler lines.

17.02 Selective root pruning may be required to remove specific offending roots that interfere with the work area. When pruning out selective roots, great care shall be taken to retain as much root surface as possible, including sufficient buttress roots around the radius of the tree. No more than one third (1/3) of a tree's root system shall be removed.

17.03 Roots shall be cut back at least four (4) inches away from new hardscape to the nearest node.

17.04 The CITY's REPRESENTATIVE may require the use of an air spade to expose offending roots for inspection.

17.05 Pruning cuts shall be made clean and smooth with no crushing or tearing of the remaining root.

17.06 Root shaving may be required to remove a small portion of a nonessential buttress root or general root with a diameter of four (4) inches or greater. Roots will be shaved down to allow for at least two (2) inches of clearance between the root and the new hardscape. No more than one third (1/3) of a root's diameter shall be shaved. Shaving cuts shall be made clean and smooth with no crushing or tearing of the remaining root.

18.0 Tree Removals

18.01 The CITY's REPRESENTATIVE shall make the final determination to remove a tree or provide public noticing for removal at a later date.

18.02 The CONTRACTOR shall not remove any tree without first confirming that the tree being considered is indeed the tree to be removed. The CONTRACTOR shall only remove tree if it appears on the removal list and is marked for removal. Any discrepancies or confusion should be resolved by contacting the CITY's REPRESENTATIVE for assistance. The errant removal of trees shall be penalized.

18.03 The CITY is responsible for marking trees so that they are easily identifiable by Underground Service Alert (USA) and the CONTRACTOR. The CONTRACTOR shall be required to notify USA at least 48 hours before stumps are to be ground.

18.04 The CONTRACTOR's crew removes the designated trees and hauls all debris. Stumps should be cut low enough to the ground so that grinding can be done safely. This can be accomplished by cutting the stump at the time of grinding, or at the time of tree removal except where infrastructure conflicts exist. All holes shall be backfilled with clean topsoil, and the removal site shall be level when work is complete.

18.05 All visible roots shall be removed by hand or mechanical means. Once complete, all irrigation will be checked and repaired as necessary at CONTRACTOR's expense.

18.06 All tree stumps must be removed to at least 18 inches below the lowest soil level adjacent to the stump, or until deep roots are no longer encountered. The CONTRACTOR shall grind the stump a minimum distance of one and a half (1-1/2) feet to either side of the outer circumference of the stump, or until surface roots are no longer encountered.

18.07 Holes created by the stump and root grinding must be filled the same day. All excess chips debris will be removed and loaded into a transport vehicle for disposal. Any damaged paved surfaces shall be restored to the original condition at the cost of the CONTRACTOR.

18.08 Special projects that are difficult to access with equipment, or require the need for special equipment would fall under crew rental rates (Item #12 on Bid Form).

19.0 Tree Planting

19.01 Planting includes the tree, stakes, ties, complete installation, and watering for one (1) year at the CONTRACTOR's expense. The CONTRACTOR will submit a notification of trees due to be released from watering cycle a minimum of 60 days prior to the intention to stop watering.

19.02 Planting lists should be compiled by the CITY's REPRESENTATIVE and submitted to the CONTRACTOR in the fall for winter planting.

19.03 The CONTRACTOR will guarantee the quality of the tree stock and the workmanship. All trees shall be of good nursery stock and grown at a nursery that complies with the *American Standard for Nursery Stock* as described in the ANSI Z60.1-1996 Standards and the CITY of Claremont's Tree Policies and Guidelines Manual. Trees shall be free from pests, disease and structural defects. CONTRACTOR shall warranty newly planted trees for one (1) year from installation.

19.04 The CONTRACTOR shall provide all equipment, labor, and materials necessary for the planting of trees throughout the CITY in accordance with the specifications herein. The CITY will be responsible for marking locations and the CONTRACTOR shall notify USA prior to planting.

19.05 Planting holes shall be dug at least two times wider than that of the root ball. The depth of the planting pit shall be equal to the size of the root ball. The depth of the planting hole shall be dug slightly shallower than the depth of the root ball to allow for the top two (2") inches of the root crown to remain above the finished grade.

19.06 When obtaining a tree from a nursery, always carry the tree by its container or root ball, never by the trunk.

19.07 After removing the tree from the container, cut circling roots and matted roots off the bottom. Check for any circling roots missed during initial inspection. Any roots less than one-third (1/3) the size of the trunk shall be removed with a sharp pruning tool.

19.08 Before placing the tree in the planting pit, examine the root ball for injured roots and the canopy for broken branches. Damaged roots shall be cleanly cut off at a point just in front of the break. Broken branches shall be cut out of the canopy making sure that the branch collar is not damaged.

19.09 Backfill with soil removed from the planting hole. Only add fertilizer or compost if soil analysis indicates it is required. Build a temporary six (6) inch water retention berm around the root ball to allow for establishment watering. Immediately after planting the tree, water it thoroughly by filling the water retention basin twice.

19.10 Eliminate all air pockets while backfilling the planting pit by watering the soil as it is put into the hole. Do not compact the backfill by tamping it down.

19.11 All trees shall be staked with two (2) wooden lodge poles, two (2) ties per pole, and Arbor Guard. The minimum diameter of a lodge pole is two (2) inches, but may be larger for larger trees. Place the tree ties at one-third (1/3) and two-thirds (2/3) of the trunk height. Tree ties shall be sixteen (16") to eighteen (18") inch rubber cinch ties. Drive the stake into the ground approximately twenty-four to thirty (24 to 30) inches below grade making sure not to penetrate the root ball. Where possible, the poles shall be placed perpendicular to the prevailing wind.

19.11.1 Tree stakes and ties shall be removed from the tree within three (3) years after planting, or when the circumference of the tree's trunk is equal to or exceeds the circumference of the stakes.

19.12 Form a water basin out of backfill material, approximately six (6") inches high, around the drip line of the tree.

19.13 Mulch with a three (3) to four (4) inch layer of mulch to conserve soil moisture, provide protection from extreme temperatures and prevent damage from weed eaters. Mulch shall be kept three (3) inches away from the tree trunk and shall extend at minimum to the boundary of the water retention basin. It may extend further if desired.

19.14 The soil around the new tree shall be kept moist, but not saturated, by watering at least once a week during the cooler winter months and twice a week during the hot summer months.

19.15 In some cases, root barriers may be required. The CITY will make this determination. Should a root barrier be required, the CONTRACTOR will install a mechanical barrier that redirects root growth downward, eliminating the surface rooting that damages hardscapes and creates a hazard. The barrier shall be at least twelve (12) inches in depth and at a length determined by the CITY and placed in a linear fashion along hardscape surfaces.

19.16 Clean up all trash and any soil or dirt spilled on any paved surface at the end of each working day.

19.17 All newly planted trees shall be placed on the CITY's written schedule to receive young tree maintenance immediately after completion of a planting program. Properly trained trees will develop into structurally strong trees well suited for their

surrounding environment. These trees should require little corrective pruning as they mature. Young trees that reach a large mature size should have a sturdy, tapered trunk with well-spaced branches that are smaller in diameter than the trunk.

19.18 Each CITY tree shall be scheduled for training at least once within the first three years after being planted, as part of a Young Tree Care Guidelines. The Young Tree Care Guidelines shall entail evaluating the overall condition of the tree, cleaning out of any dead wood and pruning the tree in such a manner as to develop good structure, checking to ensure stakes and ties are providing adequate support for the tree, and examining the watering basin to verify that the tree is receiving adequate water.

20.0 Young Tree Care

20.01 Young Tree Care consists of the irrigation of young trees and the cultivation of new canopy coverage. The CONTRACTOR shall comply with all general specifications standards described herein.

20.02 As stated previously herein, the CONTRACTOR shall identify the location of all utilities and private property landscape irrigation components prior to the planting of any tree. The CONTRACTOR shall take all responsibility for any damage that occurs during the planting of any tree.

20.03 The CONTRACTOR shall not use hoses, equipment or water from private properties when watering parkway trees.

20.04 While performing tree watering, the CONTRACTOR shall maintain the tree-watering basin to include the removal of weeds and debris and the maintenance of the watering basin to size and grade standards defined herein.

20.05 Trees shall be watered in such a manner that does not result in erosion of the tree-watering basin, splashing of parked vehicles or damage to any of the tree's surroundings. Haphazard riggings and/or watering out of the window from the cab of watering equipment will not be tolerated.

20.06 Young trees shall be watered for a minimum of one (1) year. This watering price shall be included as part of the planting price listed in the unit price sheet.

20.07 The CONTRACTOR shall maintain a daily log of trees watered. The log shall list the tree watered by site. A printed copy of the log, which shall be maintained in digital format, must accompany invoicing for tree watering services by the CONTRACTOR.

20.08 After planting a new tree, the CONTRACTOR shall post a door hanger on the neighboring homes explaining that the CONTRACTOR will be watering the new tree. The flyer will detail the homeowner's and the CITY/CONTRACTOR's responsibilities for the new tree. The CITY will provide language for this flyer.

21.0 Trees With Known Pathogens

21.01 Trees with known pathogens that can be spread with pruning tools shall be pruned using additional caution. All significant pest, disease or structural weaknesses or defects observed by the CONTRACTOR while performing this work shall be promptly reported to the CITY.

21.02 Avoid pruning on windy days, as determined by the CITY's REPRESENTATIVE, to reduce the transmission of spores. All tools used on a tree known to contain an infectious tree disease shall be properly disinfected immediately before and after completing work on such tree. Acceptable sterilization methods include a ten percent (10%) bleach solution for ten (10) minutes or handheld butane torch heating for 15 seconds per side. All major diseases and/or pest problems shall be promptly reported to the CITY's REPRESENTATIVE.

21.03 Wood with known wood-boring insect infestations shall be chipped into pieces smaller than four (4) inches. Wood that is infected with disease shall be handled and disposed of in a manner that minimizes the possibility of transmission of the disease. This might entail not working on windy days, as determined by the CITY's REPRESENTATIVE, to reduce transmission of spores and transporting green waste in covered containers.

22.0 Mulch

22.01 120 tons of mulch created by chipping, grinding, and/or shredding of all vegetative material produced as a result of the CONTRACTOR'S operations shall be delivered to the CITY in a CONTRACTOR owned roll-off bin per the CITY REPRESENTATIVE'S direction. The roll-off bin must be able to hold 20 tons of mulch. This mulch will be used for the CITY'S Free Mulch program that occurs six (6) times per year.

23.0 Wildlife Avoidance/Migratory Bird Treaty Compliance

23.01 All federal laws, such as the Migratory Bird Treaty Act, Endangered Species Act, and state and local laws that protect birds and wildlife located in trees should be followed.

23.02 At the direction of the CITY, the CONTRACTOR may be required to provide an arborist who is also a Certified Wildlife Protector can inspect trees. To minimize conflicts with nests, trees should be inspected carefully for nests and cavities using binoculars prior to pruning.

23.03 When feasible, trees should be scheduled for removal during non-breeding/non-nesting season. Trees scheduled for pruning or removal during the breeding/nesting season shall be visually inspected at ground level with binoculars to verify that there is no wildlife present. If wildlife is located in the tree, the tree shall not be pruned and the CITY's REPRESENTATIVE shall be notified.

24.0 Site Cleanup

24.01 Cleanup of any debris resulting from any tree pruning operation shall be promptly and properly accomplished. The work area shall be kept safe at all times until all operations are completed. Under no circumstances shall the accumulation of

debris be allowed in such a manner as to result in a hazard to the public. All debris from tree operations shall be cleaned up each day before the work crew leaves the site, unless permission is given by the CITY's REPRESENTATIVE to do otherwise. All lawn areas, parkways, streets and sidewalks shall be raked and/or blown clean, and all brush, branches, or other debris shall be removed from the site. Areas are to be left in a condition equal to or better than that which existed prior to the commencement of tree pruning operations.

24.02 All cuttings, branches, wood chips, and other debris shall be cleared from the site and disposed of by the CONTRACTOR being mindful of the importance of green-waste recycling. The CONTRACTOR shall obtain permits required for this purpose. Disposal expenses will be CONTRACTOR's responsibility. Debris, such as wood chips and firewood, shall be left on property only at the direct and specific request of the CITY's REPRESENTATIVE.

24.03 All tree parts are to be loaded into transport vehicles or containers. The vehicles or containers must have the front, sides, and rear solid and the top shall be tarped, or otherwise tightly enclosed. The transporting of tree parts must be made so that no debris escapes during the transport. Branches, suckers, bark, and other tree parts that are chipped are to be covered while transported and hauled to the disposal site during the workday.

25.0 Disposal Of Trees, Branches, Brush, And Other Debris

25.01 All tree branches and brush produced as a result of the CONTRACTOR's operations shall be reduced, reused, recycled, and/or transformed. Weight slips may be required as proof of final disposal or source reduction.

25.01.1 Reducing will include, but is not limited to, chipping, grinding, and/or shredding. Disposal at a landfill is acceptable only if the material is accepted by the landfill for use as alternate daily cover.

25.01.2 Reusing shall include, but not limited to using chipped, ground, or shredded tree material as mulch.

25.01.3 Recycling shall include, but not limited to chipped, ground, or shredded tree material used to produce compost utilizing either a low or high technology.

25.01.4 Transformation will include, but not limited to wood/craft products burning green waste, such as tree wood chips, for the purpose of producing energy.

25.01.5 Work sites shall be cleaned on a daily basis with no limbs, brush or debris left overnight.

25.01.6 The CITY of Claremont Municipal Code (CMC 8.24.020) prohibits the use of gasoline leaf blowers at all times.

25.02 Cleanup of any debris resulting from any tree pruning operations shall be promptly and properly accomplished. NO EXCEPTIONS. The work area shall be kept safe at all times until all operations are completed. Under no circumstances shall the accumulation of debris be allowed in such a manner as to result in a hazard to the

public. All debris from tree operations shall be cleaned up each day before the work crew leaves the site, unless permission is given by CITY's REPRESENTATIVE to do otherwise. All brush, branches, or other debris shall be removed from the site. Areas are to be left in a condition equal to or better than that which existed prior to the commencement of tree pruning operations.

25.03 The CONTRACTOR shall deliver all tree, brush, and other green waste debris generated under this agreement to a facility for processing in a manner that will ensure that the material is diverted from landfilling. The CONTRACTOR shall submit monthly reports to the CITY's REPRESENTATIVE indicating the quantity of tree debris generated, the facilities to which the material was delivered, the weight tickets, and confirmation that the material was diverted from landfilling. Tonnage landfilled must be reported; if the CONTRACTOR's selected facility does not sufficiently divert the material from landfilling in accordance with AB 939 (CPR Code §40000-), the CITY may direct the CONTRACTOR to use another facility. The CONTRACTOR is responsible for the full cost of properly processing and diverting the tree debris from landfilling, including increased costs to use a facility, a change in technology, or the use of a different facility per CITY's instruction or otherwise. No rate adjustment may be requested due to the inability to use this material as an alternative daily cover at landfills at any time under this agreement.

25.04 The CITY reserves the right at any time to negotiate where the tree, brush, and other green waster debris is delivered. CONTRACTOR should negotiate in good faith with the CITY to coordinate delivery to said location.

26.0 General Staff Requirements

26.01 *Certified Tree Workers* – All persons performing tree work on CITY trees should be trained and certified according to tree care standards accepted by ISA.

26.02 *Certified to Work Around Electric Lines* – All persons performing tree work on CITY trees in or around primary electrical lines must be trained to do so according to the *Electrical Safety Orders* of the State of California, including all amendments and revisions. Crew leaders should be trained and certified utility workers according to ISA standards.

26.03 Line-clearance tree workers shall be trained to work around high voltage conductors. U.S. OSHA and ANSI standards have established minimum distances to be maintained by tree workers from electrical conductors. All line-clearance work involving CITY trees shall adhere to these standards as well as the utility pruning standards established by ISA and the Utility Arborists Association (UAA).

26.04 *Certified Arborists* – Any contracted tree company shall employ a full-time, permanent certified arborist, as accredited by ISA. This person is responsible for ensuring that the CONTRACTOR's crews are performing work according to these specifications. This individual must be present along with each crew at all times.

27.0 Tree Gps Inventory

27.01 The CITY has a tree inventory through the current contractor. That data will be made available for this CONTRACT. The CONTRACTOR will have the capability

of incorporating the CITY's existing data into its management system within 90 (ninety) days, under the following guidelines.

27.02 The CONTRACTOR will provide the CITY access to a recordkeeping system consisting of an interactive Web-based software program that enables the CITY to maintain information about its tree population, including the description of each tree by species, height, diameter, work history, and planting site location. The tree inventory software program shall be a GPS tracking program.

27.03 The inventory software program shall have the capability to produce detailed listings of tree and site information (including latitudinal and longitudinal coordinates), work histories, service requests, summary reports, and pictures of CITY tree species. The CONTRACTOR shall provide software support to the CITY for the entire term of the contract. The CONTRACTOR will provide the CITY with a complete listing of all sites in the inventory including work records, both in hard copy and in digital form, which will enable the CITY to add the inventory to its GIS and integrate it with other CITY GIS layers.

27.04 Upon contract award, the successful Bidder shall be required to provide a complete update of the CITY's tree inventory at no additional cost to the CITY and submit the completed inventory to the CITY within one (1) year of the contract award. The tree inventory data shall conform to the existing tree inventory database and include but not be limited to the following data fields:

27.04.1 Tree Location

- GPS tree inventory shall be created using a template based on CITY's existing Tree Inventory, using the CITY's standardized addressing system for all parks and open space areas. The CONTRACTOR shall be required to create, and maintain an ESRI-compatible "shapefile", with all applicable attribute information for each tree populated.
- The inventory shall be capable of showing the location of every existing tree site and vacancies on the CITY's existing GIS base maps (streets, parcels, addresses, ROW, hardscape, etc.), in the CITY's GIS coordinate system (State Plane, NAD83, US feet, 1991.35 epoch).
- The tree inventory shall be conducted by visiting each tree site or vacant planting site and plot the position. See above for file requirements. The minimum accuracy shall be not more than one (1) foot.

27.04.2 Measurement of canopy spread

- As a part of the data collection process, the canopy spread will be measured using either a laser rangefinder or a Roll-a-Tape, to the nearest foot, using a pre-established uniform protocol. This data shall be included in the inventory database in a format suitable for use by the CITY.

27.04.3 Tree condition

- General condition of individual trees
- Pruning requirements (i.e., recommended pruning cycle)
- Condition of surrounding hardscape (i.e. displaced or recent repairs)

27.04.4 Incorporate root pruning information

- This information is attached to the current inventory and will need to be included as part of the updated inventory. As a part of the field data collection process, the CONTRACTOR will attempt to match the CITY's root pruning data against field conditions. The CONTRACTOR shall match as many root-pruning records as possible with the findings from the field.

27.05 The CONTRACTOR shall have at a minimum five (5) years experience in collecting tree inventories and developing inventory databases, including an extensive program that simplifies the management of the CITY's urban forest. The CONTRACTOR shall have developed a complete and comprehensive digital tree inventory in at least five (5) California cities. The program shall have the capability to quickly produce specialized reports designed specifically for the CITY's needs. The software should be capable of running on mobile devices for fieldwork.

27.06 The CONTRACTOR shall provide routine maintenance, archive, backup, restore, and disaster recovery procedures as requested by the CITY. The CONTRACTOR shall provide complete support rapidly with experienced staff available to the CITY during the hours of 7am to 5pm Monday through Friday. The CONTRACTOR shall be readily available by telephone, e-mail or in-person to respond to the CITY's queries within a timely manner.

28.0 Traffic Control

28.01 The CONTRACTOR shall conform to all CITY traffic safety requirements and operating rules at all times while this contract is in effect. The CONTRACTOR will use the *Work Area Traffic Control Handbook* (WATCH Manual) as a guide. The CONTRACTOR will be responsible for supplying and using all safety equipment necessary to close or delineate traffic lanes to through traffic. This is to include a high visibility illuminated arrow boards, sign stands, delineators and/or cones to be used to identify work sites for vehicular and pedestrian safety. The CONTRACTOR shall give the CITY's REPRESENTATIVE a minimum of a week's advance notice of all lane closures.

29.0 Public Noticing Of Tree Pruning Operations

The CONTRACTOR shall be required to notify residents and/or businesses using door hangers and postings of scheduled tree pruning operations at least 48 hours prior to the work being done. CITY approved "No Parking" signs shall be posted on individual trees scheduled for pruning a minimum of 24 hours prior to the work being performed.

30.0 Inspections

30.01 The CITY's REPRESENTATIVE will inspect the work performed by the CONTRACTOR to ensure completion of the work in accordance with these specifications.

30.02 Should more than two inspections be required on trees needing additional work, the CONTRACTOR will be billed for CITY staff time.

30.03 A monthly meeting will be held to review the performance, scheduling, invoicing, and answer other questions. These will be held at the location decided by the CITY and CONTRACTOR representatives.

30.04 The CITY may withhold payment to such extent as may be necessary to protect the CITY from loss due to one or more of the following reasons:

- Defective or inadequate work not corrected.
- Claims filed or reasonable evidence indicating probable filing of claims.
- Failure of the CONTRACTOR to make proper payments to sub-contractors or for materials or labor.
- A reasonable doubt that the contract can be completed for the balance unpaid.

31.0 Minor Modifications And/Or Additional Work

31.01 The CITY may modify these specifications with the joint approval of the CONTRACTOR and the CITY's REPRESENTATIVE. All modifications shall be in writing.

31.02 In the event that the CITY of Claremont should require additional work beyond the requirements of these specifications, the CONTRACTOR shall perform all work at a competitive price. Rates will be identified and approved by the CITY's REPRESENTATIVE.

31.03 Additional work may be added to the contract work as the need arises. The CONTRACTOR shall perform all specified and approved additional work at the unit prices submitted with this bid proposal.

31.04 The CONTRACTOR must have the ability to receive and respond to emergency locations and natural events such as high wind and rain, and must respond to emergency call outs within 60 minutes of receipt from the CITY with adequate crews and equipment. An emergency shall be defined at the discretion of the CITY.

31.04.1 In the event of a natural disaster that impacts more than one agency under contract with the CONTRACTOR, the CONTRACTOR shall work with the CITY's REPRESENTATIVE to establish priorities to mitigate hazardous conditions.

32.0 Crew Rental

32.01 The standard crew is three men, one chipper truck, one chipper, one aerial tower and all necessary hand and power tools. The crew and equipment can be modified to complete any type of miscellaneous tasks including special projects that may consist of extraordinary work such as trimming specific trees requiring immediate attention prior to their scheduled trim.

32.02 Trees requiring service prior to their regularly scheduled grid or annual trim to rectify a specific problem such as blocked street lighting or signs, right-of-way clearance for utility lines, or broken limbs may be performed under the service request rate.

33.0 Response Times

33.01 *Emergency* – A one-hour response to location for anything that is identified as an emergency such as or could cause harm to life or property at the CITY's discretion. All after hours calls MUST be answered by a live representative, 24/7 365 days per year for immediate response/dispatch.

33.02 *Urgent* – A four (4) hour response for anything that is or could cause significant cost or loss of plant material, water, or irrigation system and might present an immediate threat to life or property.

33.03 *Rush* – A 24-hour response for anything that is or could cause moderate cost or loss of plant material, water, or irrigation system, but not an immediate threat of loss to life or property. This response time also includes damages caused directly by the CONTRACTOR or sub-contractor and/or through CONTRACTOR or sub-contractor negligence.

33.04 *Routine* – A 72-hour response for anything that needs attention prior to the next maintenance cycle, but has no immediate cost or threat of loss.

34.0 Additional Work

Claremont Unified School District (CUSD) may request to have trees pruned on school property as part of this agreement. The CONTRACTOR, prior to any work being performed, must obtain written approval from CUSD and all work shall be performed at the same unit prices as stated in the proposal to the CITY.

All other conditions of these specifications remain except limbs trees located on school campuses shall be raised to a minimum of (8), eight feet and a maximum of (10), ten feet from grade to wood.

EXHIBIT B

COMPENSATION

	DESCRIPTION	UNIT	WCA
Tree Pruning			
1	Grid Pruning – Complete Pruning	Per Tree	$ 90.00
2	Crown Cleaning	Per Tree	$ 90.00
3	Raise Only	Per Tree	$ 90.00
4	Crown Reduction	Per Tree	$ 350.00
5	Service Request	Per Tree	$ 350.00
6	Clearance Pruning	Per Tree	$ 90.00
7	Newly Planted Tree (Young Tree Care)	Per Tree	$ 60.00
Tree Removal			
9	Complete Tree and Stump Removal	Per In.	$ 49.00
10	Tree Removal Only	Per In.	$ 39.00
11	Stump Removal Only	Per In.	$ 19.00
Root Pruning			
12	Root Pruning	Per L.F.	$ 35.00
13	Additional Root Pruning to Grade	Per L.F.	$ 45.00
Tree Planting			
14	15" gallon	Per Tree	$ 220.00
15	24" box	Per Tree	$ 420.00
16	36" box	Per Tree	$1,100.00
17	w/root barrier (10' along hardscape)	Per Tree	$ 400.00
18	w/French drain	Per Tree	$ 300.00
Tree Watering			
19	Newly Planted Trees w/ water bag	Per Hour	$ 100.00
Emergency Response			
20	2 man crew week days between 7 am and 5 pm	Per Hour	$ 220.00
21	3 man crew week days between 7 am and 5 pm	Per Hour	$ 300.00
22	2 man crew evening/night/weekend hours (travel time included)	Per Hour	$ 280.00
23	3 man crew evening/night/weekend hours (travel time included)	Per Hour	$ 420.00
Extra Services			
24	Mulch (delivery and pick-up included)	Per Yard	$ 60.00
25	Tree Crew Rental (3 man Crew)	Per Hour	$ 300.00
26	Consulting Arborist Services	Per Hour	$ 175.00

Data Entry			
27	Inventory per tree	Per Record	$ 5.00
28	Inventory record input	Per Record	$ 5.00
29	Inventory record update	Per Record	$ 5.00

SAMPLE

APPENDIX A

CITY OF CLAREMONT
PERFORMANCE DEFICIENCY NOTIFICATION

The following performance deficiency has been observed and subsequently reported to your representative:

LOCATION:_____

DEFICIENCY:_____

_____

_____

NOTIFICATION:

CONTRACTOR'S REPRESENTATIVE:_____

DATE: _____ TIME: _____ METHOD OF NOTIFICATION:_____

In accordance with the provisions of this contract, corrective action must be completed within:

_____ a) Immediately
_____ b) Twenty-four (24) hours
_____ c) Forty-eight (48) hours
_____ d) Seven (7) days
_____ e) Fourteen (14) days
_____ f) Other specified timeframe:_____

Please initiate the necessary corrective action(s), and notify the inspector when complete.

COMMENTS:

_____

_____

_____

_____
Inspector

BID FORM
URBAN FOREST MAINTENANCE PROGRAM

NAME OF BIDDER: West Coast Arborists, Inc.

The undersigned Bidder herby declares that it has carefully examined the location of the proposed Work, and has read and examined the Contract Documents, including specifications and all addenda, if any, for the following Project:

URBAN FOREST MAINTENANCE PROGRAM; CS-23-02

We hereby propose to furnish all labor, materials, equipment, tools, transportation, and services, and to discharge all duties and obligations necessary and required to perform and complete the Project in strict compliance with the Contract Documents for the following AMOUNT:

BID SCHEDULE

Description		**Unit Price**
Tree Pruning		Per Unit
1.	Grid Pruning – Complete Pruning	$90.00
2.	Crown Cleaning	$90.00
3.	Raise Only	$90.00
4.	Crown Reduction	$350.00
5.	Service Request	$350.00
6.	Clearance Pruning	$90.00
7.	Newly Planted Tree (Young Tree Care)	$60.00
Tree Removal		
9.	Complete Tree and Stump Removal	
	Net dia. trunk inches	**$/in** 49.00
10.	Tree Removal Only	
	Net dia. trunk inches	**$/in** 39.00
11.	Stump Removal Only	
	Net dia. trunk inches	**$/in** 19.00
Root Pruning		**Per lineal foot**
12.	Root Pruning	$35.00
13.	Additional Root Pruning to Grade	$45.00
	Along sidewalks and curbs	
Tree Planting		**Per Unit**
14.	15” gallon	$220.00
15.	24” box	$420.00
16.	36” box	$1,100.00
17.	w/root barrier (10’ along hardscape)	$400.00
18.	w/french drain	$300.00
Tree Watering		**Per Hour**
19.	Newly Planted Trees	$100.00
Emergency Response		**Per Hour**
20.	2 man crew week days between	$200.00

	7 am and 5 pm	
21.	3 man crew week days between 7 am and 5 pm	$300.00
22.	2 man crew evening/night/weekend hours (travel time included)	$280.00
23.	3 man crew evening/night/weekend hours (travel time included)	$420.00
24.	**Mulch**	**Per Ton**
	Delivery and Pick-up	$60.00
25.	**Tree Crew Rental**	**Per Hour**
	3 man crew	$300.00
26.	**Consulting Arborist Services**	**Per Hour**
	Hourly rate	$175.00
Data Entry		**Per Record**
27.	Inventory per tree	$5.00
28.	Inventory record input	$5.00
29.	Inventory record update	$5.00

BID ALTERNATE #1

Description	Per Unit Cost	Total Cost
Complete Tree Inventory Update	$5.00	$125,000.00

Bidders must provide price for every item.

If the Contract Documents specify alternate bid items, the following Alternate Bid amount shall be added to the Total Base Bid Price, at the City's sole option. The City can choose to include one or more of the Alternate Bid items in the Work. If any of the Alternate Bid items are selected by the City, the corresponding amount shall be added to or deducted from the Total Base Bid Price for the Work. City can award/select Alternate Bid items at any time.

The basis of award will be on a "Best Value" evaluation based on the criteria mentioned in this bid document. The submitted bid will be used to help evaluate the cost of the urban forest maintenance program.

COOPERATIVE PURCHASING

It is intended that other public agencies (i.e., city, county, school district, special district, public authority, public agency, and other political sub-division of the State of California) and/or other City departments shall have the option to participate in any agreement created because of this Request for Proposal with the same terms and conditions as to the price of the product and/or service. The City shall incur no financial responsibility in connection with a purchase order from another public agency. Any public agency that "piggy-backs" on any negotiated contract between the City and Contractor shall accept sole responsibility for negotiating, placing orders, and making payment to Contractor. The Contractor may or may not agree to the cooperative purchasing clause. It is understood that not all terms, conditions, or scope of work from one agency contract for tree maintenance may not be fully acceptable to another agency. Agencies may modify specific items for the purpose of making the agreement acceptable and agreeable.