CITY OF REDLANDS

CITY COUNCIL
FINANCING AUTHORITY
A G E N D A S
SEPTEMBER 20, 2022

PAUL BARICH
Mayor

EDDIE TEJEDA
Mayor Pro Tempore

DENISE DAVIS
Council Member

JENNA GUZMAN-LOWERY
Council Member

MICK GALLAGHER
Council Member
***

JEANNE DONALDSON
City Clerk

ROBERT DAWES
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)
* * *
City Council Chambers
Civic Center, 35 Cajon Street, Redlands, California

Recycled Paper

A G E N D A

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

TUESDAY, SEPTEMBER 20, 2022

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

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 labor negotiator - Government Code §54957.6
(Assistant City Manager McConnell)

Agency Negotiator:	Laura Kalty, Liebert Cassidy Whitmore; Janice McConnell; Tommi Ng, Danielle Garcia
Employee Organizations:	Redlands Association of Department Directors Redlands Association of Management Employees Redlands Association of Mid-Management Employees Redlands Association of Safety Management Employees Redlands Association of Fire Management Employees Redlands Police Officers Association Redlands Professional Firefighters Association Redlands Civilian Safety Employees Teamsters Local 1932 Redlands Chapter

2. Conference with labor negotiator - Government Code §54957.6
(Assistant City Manager McConnell)

Agency Negotiators:	Mayor Barich and Mayor Pro Tem Tejeda
Unrepresented Employee:	City Manager

Recycled Paper

6:00 P.M.

D. **Reconvene City Council Meeting**

E. ***Invocation by Mayor Pro Tem Tejeda- 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. **Presentations**

1. Redlands Pet Adoption (Redlands Animal Control)

2. Presentation of Proclamation declaring September 25, 2022 as Adult Literacy Day in the City of Redlands to Bill Hatfield, A.K. Smiley Public Library Board Of Trustees President; Diane Shimota, Adult Literacy Coordinator; Darcel Cannady, Volunteer; Briseiry Roque, Volunteer (Mayor Barich)

H. **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.)

I. **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 minutes of the September 6, 2022 regular meeting (City Clerk Donaldson)

2. Authorize issuance of a Proclamation declaring September 25, 2022 as Adult Literacy Day in the City of Redlands (Mayor Barich)

Recycled Paper

3. Adopt Resolution No. 8387 authorizing remote teleconference meetings by the City Council and all Boards, Commissions, and Committees of the City in accordance with Assembly Bill 361 (2021) for a period of 30 days (Council Member Davis)

4. Adopt Resolution No. 8372 Amending the Conflict of Interest Code for the City (Assistant City Manager McConnell)

5. Approve the Intergovernmental Purchase of Network Hardware from Presidio in the amount of $102,390, and an Additional Appropriation of the same from the General Fund's Unassigned Fund Balance (Management Services/Finance Director Garcia)

6. Approve the revised At-Grade Crossing Maintenance Agreement with the Southern California Regional Rail Authority (Municipal Utilities and Engineering Director Harris)

7. Approve the First Amendment to the Public Works Contract with Deark E&C, Inc. for the Orange Blossom Trail Phase 3 Project to extend the time for completion by one-hundred and ten (110) calendar days (Municipal Utilities and Engineering Director Harris)

8. Approve cancelling the existing purchase order with Safe Environment Engineering, and issuing a new purchase order with SKC-West, Inc. for an amount not to exceed $30,000 (Municipal Utilities and Engineering Director Harris)

9. Approve the First Amendment to the Public Works Contract with Baker Electric & Renewables LLC for the HSIP Cycle 8 Emergency Vehicle Preemption System Project to extend the time for completion by one hundred and fifteen (115) calendar days (Municipal Utilities and Engineering Director Harris)

10. Approve the agreement between the City of Redlands and the County of San Bernardino for use of their weapons firing range facilities for an amount not to exceed $20,000 (Police Chief Catren)

11. Approve the agreement between the City and the Department of Alcoholic Beverage Control (ABC) concerning the distribution of an Alcohol Policing Partnership (APP) grant in the amount of $24,790; the additional appropriation of $24,790 in grant funds to the Police Department; and authorize the Chief of Police to sign and execute any agreements concerning the grant (Police Chief Catren)

12. Approve the sole source purchase of a Leica Geosystems Laser Scanner and Software for the amount of $36,664.46 (Police Chief Catren)

Recycled Paper

13. Approve the request to close East San Bernardino Avenue for the Revel Big Bear Marathon event hosted by the Brooksee Foundation on November 11th and November 12th, 2022; authorize the request for the sale and consumption of alcoholic beverages on East San Bernardino Avenue at Dearborn Street during the Revel Big Bear Marathon to be held on November 12, 2022, and determine that the approval of the request is exempt from environmental review pursuant to Section 15061(b)(3) of the state's guidelines implementing the California Environmental Quality Act (Assistant City Manager Boatman)

J. **Communications**

1. Video Series: Working for You: Making Redlands a Better Place (Public Information Officer Baker)

2. Conference Report- 2022 League of California Cities Annual Conference and Expo (Council Member Davis)

K. **New Business**

1. Consideration to reprogram $343,776 in Community Development Block Grant (CDBG) funding from the Sylvan Park Restroom Project to the Joslyn Senior Center Rehabilitation Project (Development Services Director Desatnik)

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 October 4, 2022.

N. **Redlands Financing Authority**

1. Call regular meeting of the Board of Directors of the Redlands Financing Authority to order

2. **Public Comment - Redlands Financing Authority**
(At this time, the Redlands Financing Authority will provide an opportunity for the public to address them on any subject, within its jurisdiction, 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.)

3. Approve the regular meeting minutes of May 17, 2022 (Secretary Donaldson)

4. Adjourn Redlands Financing Authority meeting
The next Redlands Financing Authority meeting will be held on January 17, 2023.

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 meeting 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/Financing Authority Meeting **I. 1.**

DATE: 09/20/2022

TO: Honorable Mayor and City Council Members

SUBJECT: Approve minutes of the September 6, 2022 regular meeting (City Clerk Donaldson)

MOTION:

I move to approve the minutes of the September 6, 2022 regular meeting.

Attachments

Minutes of the September 6, 2022 regular meeting.

MINUTES

Regular meetings of the City Council and the Board of Directors of the Successor Agency of the former Redevelopment Agency of the City of Redlands held in the Council Chambers, Civic Center, 35 Cajon Street, on September 6, 2022 at 5:00 P.M.

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

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

Mayor Barich 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

Stephen Rogers listed concerns that he said the Council should consider when reviewing the City Manager's performance. These included environmental documents for the Transit Village Specific Plan, qualifications of city engineering staff and the lasting effects of the policies of the former City Manager.

CLOSED SESSION

Due to ownership of property within 500 feet of the Grove School, Council Member Davis recused herself from this Closed Session Item, C-1.

Conference with real property negotiators - Government Code §54956.8
(Facilities and Community Services Director Boatman)

Property:	APN 0292-166-08-0000
Agency Negotiators:	Charles M. Duggan, Jr.; Chris Boatman
Negotiating Party:	Andrew Christopherson, The Grove School
Under Negotiation:	Terms of payment and price of possible lease amendment or purchase of City property

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

Property:	Vacant Property; APN 0172-013-76-0000
Agency Negotiators:	Charles M. Duggan, Jr. and Chris Boatman
Negotiating Parties:	Shahzad Farukhi and Keisha Baldeosingh
Under Negotiation:	Terms of payment and price of possible purchase of real property

Conference with labor negotiator - Government Code §54957.6
(Assistant City Manager McConnell)

Agency Negotiators:	Mayor Barich and Mayor Pro Tem Tejeda
Unrepresented Employee:	City Manager

RECONVENE CITY COUNCIL MEETING

The meeting reconvened at 6:14 P.M. with an invocation by Mayor Barich followed by the pledge of allegiance to the American flag.

CLOSED SESSION REPORT

City Attorney Abich Garcia announced the closed session report as follows:

C-1: Council Member Davis recused herself due to property ownership within 500 feet of the Grove School, with no reportable action taken. Closed Session C-2 and C-3, no reportable action taken.

PRESENTATIONS

Redlands Pet Adoption – Animal Control Officer Joseph Martinez, introduced “Charming”, a three-year-old male pitbull, who is available for adoption. Chaming has been living at the Shelter since November of 2021 and would love a good home. Mr. Martinez informed the Council that about twenty dogs had been adopted this month.

Police Department Certificate of Recognition

Mayor Barich presented a Certificate of Recognition to Detective Eric Strobaugh of the Redlands Police Department, for his outstanding public service and dedication to serving the community.

Proclamation Redlands a Purple Heart City

Mayor Barich presented a Proclamation designating the City of Redlands as a Purple Heart City to Raymond Wetzel, Adjutant for Chapter #2929 Military Order of the Purple Heart.

Proclamation 135th Anniversary Citrograph Printing

Council Member Davis and Mayor Barich presented a Proclamation recognizing the 135th Anniversary of Citrograph Printing Co. to Al Hernandez and Ryan Bailey and thanked them for their commitment to excellence while serving the community.

PUBLIC COMMENT

TVSP Environmental Documents - Stephen Rogers reiterated his concerns with the City's General Plan and the environmental documents associated with the Transit Village Specific Plan. He was worried the City had not developed a strong vision to lead and protect the community into the future.

Dog Park - Kathy Havert suggested the Council consider adding protections for humans and dogs alike at the dog park, and she recommended shade sails and bubbling water features be installed. Paul Cashin complained the dog park was filthy and was not being maintained properly. He added there were often no poop bags, the grass was kept too high, algae was growing in various spots and it was unsafe. He said the Council could consider raising funds to support the park, such as "pay to play", sponsorships, and donations.

Issues - Dennis Bell questioned the state-approved extension to rezone land related to the Housing Element, which he said was an invitation to do nothing. He suggested the Council consider appointing a committee, similar to the General Plan Committee, in order to accomplish the rezoning. He wondered why the current City Hall was undergoing some renovations when City staff would be moving into the new City Hall soon enough.

CONSENT CALENDAR

Minutes

On motion of Mayor Pro Tempore Eddie Tejeda, seconded by Council Member Denise Davis, the City Council unanimously approved, by roll call vote, the special meeting minutes of August 2, 2022, and August 4, 2022.

Vote: 5 - 0 Passed

Proclamation Redlands a Purple Heart City

On motion of Mayor Pro Tempore Eddie Tejeda, seconded by Council Member Denise Davis, the City Council unanimously approved, by roll call vote, the issuance of a Proclamation designating Redlands as a Purple Heart City.

Vote: 5 - 0 Passed

Proclamation Citrograph Printing Co.'s 135th Anniversary

On motion of Mayor Pro Tempore Eddie Tejeda, seconded by Council Member Denise Davis, the City Council unanimously approved, by roll call vote, the issuance of a Proclamation celebrating Citrograph Printing Co.'s 135th Anniversary.

Vote: 5 - 0 Passed

Resolution No. 8386 Remote Teleconference Meetings

On motion of Mayor Pro Tempore Eddie Tejeda, seconded by Council Member Denise Davis, the City Council unanimously approved, by roll call vote, Resolution No. 8386 authorizing remote teleconference meetings by the City Council and all Boards, Commissions, and Committees of the City in accordance with Assembly Bill 361 (2021) for a period of 30 days.

Vote: 5 - 0 Passed

Ordinance No. 2942 Termination of Residential Tenancies

On motion of Mayor Paul Barich, seconded by Mayor Pro Tempore Eddie Tejeda, the City Council adopted, by roll call vote, Ordinance No. 2942, adding Chapter 9.38 to Article 9 of the Redlands Municipal Code regulating the termination of residential tenancies due to demolition or substantial remodel.

Vote: 5 - 0 Passed

Settlement Agreement Disclosure

On motion of Mayor Pro Tempore Eddie Tejeda, seconded by Council Member Denise Davis, the City Council unanimously approved, by roll call vote, the public disclosure of details of a Settlement Agreement and Release of All Claims between the City of Redlands and Lissette Atkinson. Under the terms of the agreement, the City agrees to pay Ms. Atkinson the aggregate sum of $5,000.00 to settle and dispose of disputes and controversies associated with dealings between the parties with respect to a civil action pending in the San Bernardino County Superior Court, Court Case No. CIVSB2206157.

Vote: 5 - 0 Passed

Office of Traffic Safety Grant Award

As public comment, Dennis Bell thought the grant award was a waste of taxpayer's money because, in his estimation, the City was not enforcing the traffic laws.

On motion of Mayor Pro Tempore Eddie Tejeda, seconded by Council Member Denise Davis, the City Council unanimously approved, by roll call vote, the agreement with the Office of Traffic Safety relating to the distribution of a grant award in an amount not-to-exceed $130,000; authorized the Chief of Police to sign and execute agreements implementing the grant; and approved an additional appropriation of the same amount.

Vote: 5 - 0 Passed

Ordinance No. 2933 Development Agreement "State Street Village"

As public comment, Andy Hoder said the public may not be aware that the approved Development Agreement for State Street Village, the mixed-use development at the Redlands Mall, provided for a 5-story parking structure, and he claimed many residents were opposed to something that tall. Stephen Rogers thought the agreement was archaic, did not offer appropriate protections, was worried the City could lose federal funding sources, and he added that public improvements should be funded by the developer and not the City. Development Services Director Desatnik pointed out the 5-story parking structure proposed for State Street Village provides for one level, which is underground.

On motion of Mayor Pro Tempore Eddie Tejeda, seconded by Council Member Mick Gallagher, the City Council unanimously adopted, by roll call vote, Ordinance No. 2933, approving Development Agreement No. 25 for the "State Street Village" mixed use development project located at 101 Redlands Mall (APNs: 0171-251-06-0000, 0171-251-07-0000, 0171-251-08-0000, 0171-251-09-0000, 0171-251-10-0000) and the southeast corner of West Citrus Avenue and Eureka Street (APNs: 0171-251-06-0000, 0171-251-07-0000, 0171-251-08-0000, 0171-251-09-0000, 0171-251-10-0000) in the C-3, General Commercial zoning district.

Vote: 5 - 0 Passed

Outside Water Service Resolution No. 8376 Pre-Annexation Agreement

On motion of Mayor Pro Tempore Eddie Tejeda, seconded by Council Member Denise Davis, the City Council unanimously approved, by roll call vote, Resolution No. 8376 relating to Pre-Annexation Agreement No.22-01 for the provision of water service to a vacant lot for irrigation purposes located at 2371 Naples Avenue (APN: 0298-301-33-0000); and determined that approval of the Resolution is exempt from environmental review pursuant to Sections 15319 and 15303(d) of the State's guidelines implementing the California Environmental Quality Act.

Vote: 5 - 0 Passed

Second Amendment Planning, Environmental, and Development Review Services

On motion of Mayor Pro Tempore Eddie Tejeda, seconded by Council Member Denise Davis, the City Council unanimously approved, by roll call vote, the Second Amendment to the Professional Services Agreement with Michael Baker International to increase the original agreement from $149,990 by $150,000 to a total aggregate of $299,990 for professional planning, environmental, and development review services, to allow Development Services Department to continue to provide development review services to its customers as the recruitment process continues to fill multiple Department vacancies.

Vote: 5 - 0 Passed

Resolution No. 8382 Annexation No. 27 Intent to Annex Territory CFD 2004-1

On motion of Mayor Pro Tempore Eddie Tejeda, seconded by Council Member Denise Davis, the City Council unanimously approved, by roll call vote, Resolution No. 8382 Annexation No. 27 declaring intent to annex territory into Community Facilities District 2004-1; and determined that the proposed project is exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act.

Vote: 5 - 0 Passed

WWTP Chemicals Price Increase

On motion of Mayor Pro Tempore Eddie Tejeda, seconded by Council Member Denise Davis, the City Council unanimously determined, by roll call vote, that approval of price increases for water and wastewater treatment plant chemicals, the appropriation of additional funds to purchase these chemicals, and the authorization of Municipal Utilities and Engineering Director John R. Harris authority to approve additional chemical price increases as needed, not to exceed 20%, are exempt from environmental review pursuant to Section 15061(b)(3) of the State guidelines implementing the California Environmental Quality Act; and approved the price increases for water and wastewater treatment plant chemicals, appropriate additional funds to purchase these chemicals, and authorize Municipal Utilities and Engineering Director John R. Harris authority to approve additional chemical price increases as needed, not to exceed 20%.

Vote: 5 - 0 Passed

Contract Award Hinckley Water Treatment Plant Roof Replacement

On motion of Mayor Pro Tempore Eddie Tejeda, seconded by Council Member Denise Davis, the City Council unanimously determined, by roll call vote, that approval of a Public Works Contract with McDonnell Roofing, Inc. for the Hinckley Water Treatment Plant Roof Replacement Project is categorically exempt from environmental review pursuant to Section 15301(d) of the State's guidelines implementing the California Environmental Quality Act; approved the Public Works Contract with McDonnell Roofing, Inc. for the Hinckley Water Treatment Plant Roof Replacement Project for an amount not-to-exceed $118,003; and approved the additional appropriation of $118,003 for the Hinckley Water Treatment Plant Roof Replacement Project.

Vote: 5 - 0 Passed

Resolution No. 8380 Five-Year Capital Project Needs Analysis

As public comment, Stephen Rogers questioned how the projects listed under the Five-Year Capital Project Needs Analysis were prioritized, and he urged the City to install a signal light at University Street and Park Avenue in connection with the Redlands Passenger Rail project. Municipal Utilities and Engineering Director Harris explained he was aware of the signal request near University Station and his staff had been coordinating efforts with the PUC and planning for some sort of crosswalk to make this area safe for the public.

On motion of Mayor Pro Tempore Eddie Tejeda, seconded by Council Member Denise Davis, the City Council unanimously approved, by roll call vote, Resolution No. 8380 adopting a Five-Year Capital Project Needs Analysis for FY 23/24 through FY 27/28 and determining this action is exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act.

Vote: 5 - 0 Passed

MUED Purchase Order Modifications

On motion of Mayor Pro Tempore Eddie Tejeda, seconded by Council Member Denise Davis, the City Council unanimously determined, by roll call vote, that approval of the Purchase Order modifications with Grainger Industrial Supply and HERC Rentals are exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act; and approved Purchase Order modifications with Grainger Industrial Supply ($20,000.00) and HERC Rentals ($10,000.00).

Vote: 5 - 0 Passed

HSIP Cycle 8 Pedestrian Countdown Heads Project Contract Amendment

On motion of Mayor Pro Tempore Eddie Tejeda, seconded by Council Member Denise Davis, the City Council unanimously approved, by roll call vote, the First Amendment to the Public Works Contract with Econolite Systems, Inc. for the HSIP Cycle 8 Pedestrian Countdown Heads Project to extend the time for completion by two hundred and seventy (270) calendar days.

Vote: 5 - 0 Passed

San Bernardino County MOU Homeless Services

On motion of Mayor Pro Tempore Eddie Tejeda, seconded by Council Member Denise Davis, the City Council unanimously approved, by roll call vote, the Memorandum of Understanding between the County of San Bernardino acting by and through the County of San Bernardino Community Revitalization Group Office of Homeless Services and the City of Redlands for Homeless Management Information System. The HMIS is a local database application used to collect client-level data and data on the provision of housing and services to homeless individuals and families and persons at risk of homelessness in the County.

Vote: 5 - 0 Passed

CRYROP MOU Second Amendment

On motion of Mayor Pro Tempore Eddie Tejeda, seconded by Council Member Denise Davis, the City Council unanimously determined, by roll call vote, that approval of the Second Amendment to the Memorandum of Understanding with Colton-Redlands-Yucaipa Regional Occupational Program for the provision of temporary staffing 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 Second Amendment to the Memorandum of Understanding with Colton-Redlands-Yucaipa Regional Occupational Program for the provision of temporary staffing services to support the City's Recreation and Senior Services Divisions in an amount not-to-exceed

$40,000.

Vote: 5 - 0 Passed

PO Modification Unleaded & Diesel Fuel

On motion of Mayor Pro Tempore Eddie Tejeda, seconded by Council Member Denise Davis, the City Council unanimously approved, by roll call vote, a purchase order modification in the amount of $105,431.81 with Pinnacle Petroleum for delivery and supply of unleaded and diesel fuel.

Vote: 5 - 0 Passed

In-Kind Support Chamber Dog Jog Event

On motion of Mayor Pro Tempore Eddie Tejeda, seconded by Council Member Denise Davis, the City Council unanimously authorized, by roll call vote, the closure of E. State St., 9th St., Olive Ave., Center St., Brookside Ave. and Eureka St., from 9:00 a.m. to 2:00 p.m. on the event day; and approved the expenditure of city resources and in-kind support in the amount of $7,825 related to the Dog Jog event hosted by the Redlands Chamber of Commerce on October 22, 2022, within Ed Hales Park and the downtown area.

Vote: 5 - 0 Passed

2022 Library Gala Consumption of Alcoholic Beverages

On motion of Mayor Pro Tempore Eddie Tejeda, seconded by Council Member Denise Davis, the City Council unanimously determined, by roll call vote, that approval of the request for the consumption of alcoholic beverages within a City park during the 2022 Library Gala 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 request for the consumption of alcoholic beverages at Smiley Park during the 2022 Library Gala to be held on October 15, 2022.

Vote: 5 - 0 Passed

SBC Agreement Police Use of Force Trimester Training

On motion of Mayor Pro Tempore Eddie Tejeda, seconded by Council Member Denise Davis, the City Council unanimously approved, by roll call vote, the agreement between the City of Redlands and the County of San Bernardino for police use of force trimester training at a total cost not to exceed $80,040, to obtain mandated POST perishable skills training and firearms qualifications for its officers.

Vote: 5 - 0 Passed

NEW BUSINESS

MOU for Standby Paramedic Services U of R Football Games

Fire Chief Sessler presented a Memorandum of Understanding between the City of Redlands and the University of Redlands for the provision of standby paramedic services for home football games held at the University's stadium.

On motion of Mayor Pro Tempore Eddie Tejeda, seconded by Council Member Mick Gallagher, the City Council unanimously approved, by roll call vote, the Memorandum of Understanding with the University of Redlands for the provision of standby paramedic services during the 2022-2023 school year football games held at the University's stadium.

Vote: 5 - 0 Passed

Residential Refuse Bins Supply and Delivery

Assistant City Manager Boatman summarized the Assignment and Assumption Agreement between the City of Redlands, Otto Environmental Systems North America, Inc. and Duramax Holdings LLC, to revise the Contractor's business name and contact information as it relates to the supply and delivery of residential refuse bins.

On motion of Mayor Pro Tempore Eddie Tejeda, seconded by Council Member Denise Davis, the City Council unanimously approved, by roll call vote, an Assignment and Assumption Agreement between the City of Redlands, Otto Environmental Systems North America, Inc. and Duramax Holdings LLC, for supply and delivery of residential refuse bins.

Vote: 5 - 0 Passed

Downtown Parking Study Agreement

Development Services Director Desatnik offered details of the agreement with Walker Consultants, Inc. for the completion of a Downtown Parking Study and explained the last downtown parking study was prepared in-house about five years ago. The scope of work included in the new proposal provided for inventory and mapping of existing parking facilities; parking utilization analysis; parking management recommendations; strategies to improve utilization; and opportunities for new parking facilities. As public comment, Dennis Bell wondered if the public scoping meetings would be open, transparent and encourage public participation. Evan Sanford, representing the Chamber of Commerce, stressed the importance of considering all the many variables affecting parking downtown and requested the City develop a strong public awareness campaign, with a detailed plan of action. He looked forward to being involved in the process.

On motion of Mayor Pro Tempore Eddie Tejeda, seconded by Council Member Denise Davis, the City Council unanimously approved, by roll call vote, the agreement with Walker Consultants, Inc. for the completion of a Downtown Parking Study for an amount not-to-exceed $121,560.

Vote: 5 - 0 Passed

Wastewater Bio-Solids Hauling and Disposal

Municipal Utilities and Engineering Department Director Harris reviewed the Non-Professional Services Agreement with Synagro-WWT, Inc. for wastewater bio-solids hauling and disposal.

On motion of Mayor Pro Tempore Eddie Tejeda, seconded by Council Member Mick Gallagher, the City Council unanimously determined, by roll call vote, that approval of the Non-Professional Services Agreement with Synagro-WWT, Inc. 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 Non-Professional Services Agreement with Synagro-WWT, Inc. for wastewater bio-solids hauling and disposal with an initial one (1) year term value not-to-exceed $350,000 with options to extend for two (2) additional years.

Vote: 5 - 0 Passed

Plumbers Depot Jet/Vac Truck Purchase

Municipal Utilities and Engineering Director Harris provided background on the need for a 2023 GapVax MC1510-3S3S combination Jet/Vac truck purchase from Plumbers Depot, Inc. This purchase will allow city crews to perform preventative maintenance and clean storm drains in advance of a storm but also be an effective tool in emergency situations.

On motion of Mayor Pro Tempore Eddie Tejeda, seconded by Council Member Mick Gallagher, the City Council unanimously approved, by roll call vote, a 2023 GapVax MC1510-3S3S combination Jet/Vac truck purchase from Plumbers Depot, Inc. for $657,806.09.

Vote: 5 - 0 Passed

Stronger Together Now Latina Love Fest Temporary Closure Request

Assistant City Manager Boatman introduced the request for commercial vendors and the temporary closure of 5th Street for the Stronger Together Now Latina Love Fest within Ed Hales Park on October 8, 2022. The event is intended to bring the community together to celebrate Latinas and their contributions to the City with an awareness on women and domestic abuse.

On motion of Mayor Pro Tempore Eddie Tejeda, seconded by Council Member Denise Davis, the City Council unanimously determined, by roll call vote, 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; approved commercial vendors and the temporary closure of 5th Street for the Stronger Together Now Latina Love Fest within Ed Hales Park on October 8, 2022.

Vote: 5 - 0 Passed

Agreement for City-Owned Citrus Groves Maintenance and Harvest

Assistant City Manager Boatman presented the agreement with Larry Jacinto Farming, Inc., for the care, maintenance and harvest of city-owned citrus groves. He explained the City maintains the groves using internal staff, while this agreement would provide for supplemental specialized contractual services, such as rodent control, brown rot and frost control, hedging and topping, brush chopping, trip spray, ACP Treatment, and PCA reporting. As public comment, Dennis Bell expressed concerns about the availability of water supplies and the irrigation of citrus groves in the future. Andy Hoder pointed out it was noteworthy that only one contractor responded to the bid request, and he said the orange groves in Redlands were a symbol of a bygone era. He thought that once the citrus groves were no longer profitable, the City would need to make tough decisions to justify their continued operations.

On motion of Mayor Pro Tempore Eddie Tejeda, seconded by Council Member Mick Gallagher, the City Council unanimously approved, by roll call vote, the agreement with Larry Jacinto Farming, Inc., for the care, maintenance and harvest of city-owned citrus groves for an amount not-to-exceed $1,017,900 for a period of three years.

Vote: 5 - 0 Passed

COUNCIL MEMBER ANNOUNCEMENTS AND ACTIVITIES

Mayor Barich enjoyed attending an event celebrating 75 years of the independence of India.

Council Member Davis announced September 15, 2022 was the deadline for Redlands high school students to apply to the Youth Council. This will be the second year of the program, initiated to expose students to various aspects of municipal government and provide them with an outlet for advocacy.

ADJOURNMENT

There being no further action required, the meeting adjourned at 7:37 P.M. The next regular meeting of the City of Redlands City Council will be held on September 20, 2022.

SUCCESSOR AGENCY OF THE FORMER REDEVELOPMENT AGENCY OF THE CITY OF REDLANDS

Chairman Barich called the meeting to order and offered anyone present the opportunity to address the Board on any subject, not already on the agenda, within the jurisdiction of the Successor Agency.

PUBLIC COMMENT

None forthcoming

Minutes

On motion of Vice Chair Tejeda, seconded by Board Member Davis, the minutes of the regular meeting of July 5, 2022, were unanimously approved by roll call vote.

Vote: 5 - 0 Passed

ADJOURNMENT

There being no further business, the Successor Agency Board of Directors' meeting was adjourned at 7:38 P.M. The next regular meeting of the Agency will be held on October 4, 2022.

City Council/Financing Authority Meeting **I. 2.**

DATE: 09/20/2022

TO: Honorable Mayor and City Council Members

SUBJECT: Authorize issuance of a Proclamation declaring September 25, 2022 as Adult Literacy Day in the City of Redlands (Mayor Barich)

MOTION:

I move to authorize the issuance of a Proclamation declaring September 25, 2022, as Adult Literacy Day in the City of Redlands.

SUBMITTED BY:
Jennifer Macias, Management Analyst

REVIEWED BY:
Charles M. Duggan, Jr., City Manager
Janice McConnell, Assistant City Manager

Attachments

Proclamation - Adult Literacy Day

PROCLAMATION

Adult Literacy Day

WHEREAS, the U.S. mean literacy score is below the international average according to the Program for the International Assessment of Adult Competencies (PIAAC); and

WHEREAS, the most recent studies available indicate that nearly 23 percent of California's adults lack basic literacy skills; and

WHEREAS, the California State Legislature has declared in State Education Code Sec. 18010 that the public library is "a resource for continuing education and re-education beyond the years of formal education."; and

WHEREAS, adults in Redlands seek to improve their literacy skills through the Redlands Adult Literacy Program so that they may get a job or advance in their employment, build or improve a small business, help their children in school, and work towards their own higher education; and

WHEREAS, the Adult Literacy Program provides vital literacy assistance through one-to-one tutoring, computer classes and a Family Literacy Program that serves adult learners with children younger than 13; and

WHEREAS, The Adult Literacy Program fosters leadership in its adult learner leaders who assist in community outreach and learner education; and

WHEREAS, The Adult Literacy Program recently published its fifth volume of Our Stories, A Collection of Writings, an anthology composed of adult learner writings; and

WHEREAS, we commend the efforts of the Redlands Adult Literacy Program and all its volunteers and community partners for assisting adult learners who work to improve their reading and writing so that they can provide a better future for themselves, their families, and their community;

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Redlands does hereby proclaim September 25, 2022 as ***Adult Literacy Day*** in the City of Redlands and calls upon our residents to promote literacy efforts and education programs throughout our community.

IN WITNESS THEREOF, we hereunto affix our signatures and Official Seal of the City of Redlands on this 20th day of September, 2022.

Paul T. Barich, Mayor

Attest:

Jeanne Donaldson, City Clerk

City Council/Financing Authority Meeting **I. 3.**

DATE: 09/20/2022

TO: Honorable Mayor and City Council Members

SUBJECT: Adopt Resolution No. 8387 authorizing remote teleconference meetings by the City Council and all Boards, Commissions, and Committees of the City in accordance with Assembly Bill 361 (2021) for a period of 30 days (Council Member Davis)

MOTION:

I move to adopt Resolution No. 8387.

DISCUSSION:

On September 6, 2022, the City Council adopted Resolution No. 8386 authorizing remote teleconference meetings by the City Council and all Boards, Commissions, and Committees of the City in accordance with Assembly Bill 361 (2021) for a period of 30 days ending October 5, 2022. AB 361, signed into law on September 16, 2021, amends Government Code Section 54953 to provide the authority and specific requirements for public agencies to hold virtual meetings during a proclaimed state of emergency and remain in compliance with the Brown Act.

In accordance with Government Code Section 54953 (e)(3), the City Council must review the need and make findings for continuing the teleconferencing as authorized by AB 361 at least once every thirty days until the Governor terminates the state of emergency. With the adoption of Resolution No. 8384, the City Council is reaffirming its findings and compliance with AB 361 for an additional 30 days ending October 19, 2022.

SUBMITTED BY:
Council Member Denise Davis

Attachments

Reso. 8387 Teleconference Meeting

RESOLUTION NO. 8387

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDLANDS AUTHORIZING REMOTE TELECONFERENCE MEETINGS BY THE CITY COUNCIL AND ALL BOARDS, COMMISSIONS, AND COMMITTEES OF THE CITY IN ACCORDANCE WITH ASSEMBLY BILL 361 (2021) FOR A PERIOD OF THIRTY DAYS

WHEREAS, COVID-19 (also known as the "Coronavirus Disease") is a respiratory disease that has spread across the globe, with thousands of confirmed cases in California, including within the City of Redlands ("City"); and

WHEREAS, on January 31, 2020, the United States Secretary of Health and Human Services declared a public health emergency based on the threat caused by COVID-19, and the President of the United States issued a proclamation declaring a national emergency concerning COVID-19 beginning March 1, 2020; and

WHEREAS, in response to COVID-19, the Governor of the State of California issued a proclamation of a state of emergency on March 4, 2020; and

WHEREAS, the City Council of the City adopted a proclamation of a local emergency related to the COVID-19 virus on March 17, 2020; and

WHEREAS, the City is committed to preserving and fostering public access, transparency, observation, and participation in meetings of the City Council and City boards, commissions, and committees (hereafter collectively referred to as "legislative bodies;") and

WHEREAS, all meetings of the City Council and legislative bodies are open and public as required by the Ralph M. Brown Act ("Brown Act") (Government Code section 54950 *et seq*.), so that any member of the public may attend, observe, and participate in a meaningful way; and

WHEREAS, Government Code section 54953(b)(3) of the Brown Act allows a local legislative body to hold public meetings by teleconference and to make public meetings accessible telephonically or otherwise electronically to all members of the public seeking to attend and to address the local legislative body, as long as the following requirements are met:

1. Each teleconference location from which a member is participating is noticed on the agenda;
2. Each teleconference location is accessible to the public;
3. Members of the public must be able to address the body at each teleconference location;
4. At least one member of the legislative body must be physically present at the location specified in the meeting agenda; and
5. During teleconference meetings, at least a quorum of the members of the local body must participate from locations within the local body's territorial jurisdiction; and

WHEREAS, the Brown Act, as amended by AB 361 (2021), at Government Code section 54953(e), allows for remote observation and participation in meetings by members of a legislative body and members of the public without compliance with the requirements of Government Code section 54953(b)(3), subject to certain conditions; and

WHEREAS, the initial required condition of Government Code section 54953(b)(3) is a declaration of a state of emergency by the Governor pursuant to the California Emergency Services Act at Government Code section 8625, proclaiming the existence of conditions of disaster or of extreme peril to the safety of persons and property within the state and within the boundaries of the City, caused by conditions as described in Government Code section 8558; and

WHEREAS, the Governor's proclamation of a state of emergency includes area within the jurisdictional boundaries of the City; and

WHEREAS, Government Code section 54953(e)(3)(A-B), added by AB 361, provides an alternative to having public meetings in accordance with Government Code Section 54953(b)(3) when the City Council has reconsidered the circumstances of the COVID-19 state of emergency and that the following circumstances exist:

1. The state of emergency as a result of COVID-19 continues to directly impact the ability of the members of City Council and the members of the City's boards, commissions, and committees to meet safely in person; and

2. The State of California and the County of San Bernardino continue to recommend measures to promote social distancing; and

WHEREAS, Government Code Section 54953(e) further requires that state or local officials have imposed, or recommended, measures to promote social distancing, or the legislative body finds that meeting in person would present an imminent risk to the health or safety of attendees; and

WHEREAS, such conditions now exist in the City in that (i) state and local officials do recommend social distancing measures, and (ii) emergency conditions evidenced by COVID-19 and its variants create ongoing COVID-19 cases, hospitalizations, and deaths, such that meeting in person would present imminent risk to health or safety of attendees; and

WHEREAS, the City Council affirms that it will allow for observation and participation by City Council members as well as board, commission, and committee members and the public, via Zoom, or other appropriate technology, in an effort to protect the constitutional and statutory rights of all attendees; and

WHEREAS, Government Code Section 54953 (e)(3) further requires that the City Council review the need and make findings for continuing the teleconferencing as authorized by AB 361 at least once every thirty days until the Governor terminates the state of emergency;

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF REDLANDS HEREBY RESOLVES AS FOLLOWS:

Section 1. The above recitals are true and correct and are incorporated herein by this reference.

Section 2. The City Council finds that the state of emergency conditions related to COVID-19 as set forth in the Governor's and City's proclamations of emergency are on-going.

Section 3. The City Council further finds that State and county officials recommend social distancing conditions causing imminent risk to attendees as described above exist.

Section 4. The City Council hereby recognizes and affirms the existence and conditions of a state of emergency as proclaimed by the Governor, and the City, and affirms, authorizes, and proclaims the existence of a local emergency throughout the City.

Section 5. The City Council finds that the state of emergency as a result of COVID-19 continues to directly impact the ability of members of the City Council and the members of the City's boards, commissions, and committees to meet safely in person and such fact creates an imminent health risk to such members.

Section 6. The City Council hereby authorizes the City Council, and all of the boards, commissions, and committees of the City, to conduct their meetings without compliance with Government Code section 54953(b)(3), and to instead comply with the remote meeting requirements as authorized by Government Code section 54953(e).

Section 7. The City Manager and City Clerk are authorized and directed to take all actions reasonably necessary to carry out the intent and purpose of this Resolution, including, conducting open and public meetings remotely in accordance with Government Code section 54953(e), and other applicable provisions of the Brown Act, for all City Council meetings, and all boards, commissions, and committee meetings of the City.

Section 8. This Resolution shall take effect immediately upon its adoption and shall be effective until either (i) October 19, 2022, or (ii) such time as the City Council adopts a Subsequent Resolution in accordance with Government Code section 54953(e)(3) to extend the time during which the City Council and all City legislative bodies may continue to meet remotely, without compliance with Government Code section 54953(b)(3), but otherwise as permitted by Government Code section 54953(e).

ADOPTED, SIGNED AND APPROVED this 20th day of September 2022.

_____

ATTEST: Paul T. Barich, Mayor

_____

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 special meeting thereof held on the 23rd day of August 2022.

AYES:
NOES:
ABSENT:
ABSTAIN:

_____
Jeanne Donaldson, City Clerk

City Council/Financing Authority Meeting **I. 4.**

DATE: 09/20/2022

TO: Honorable Mayor and City Council Members

SUBJECT: Adopt Resolution No. 8372 Amending the Conflict of Interest Code for the City (Assistant City Manager McConnell)

MOTION:

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

I move to adopt Resolution No. 8372 and acknowledge that this City Council has reviewed its Conflict of Interest Code and finds that the following amendments are necessary: (1) Include new positions that must be designated and (2) Delete positions that no longer make or participate in governmental decisions.

RECOMMENDATION:

Staff recommends that the City Council approve Resolution No. 8372 amending the Conflict of Interest Code for the City and acknowledge that this City Council has reviewed its Conflict of Interest Code and finds that the following amendments are necessary: (1) Include new positions that must be designated and (2) Delete positions that no longer make or participate in governmental decisions.

DISCUSSION:

Government Code Section 87306.5 requires the review of every public agency’s Conflict of Interest Code in each even-numbered year and submission to the City Council of a statement regarding that review. Staff has reviewed the City’s Conflict of Interest Code and finds that amendments are necessary. These amendments include revising the Designated Positions to accurately reflect the relevant classifications currently in place as of the City's most recent Salary Resolution No. 8352 effective July 11, 2022, in addition to minor language revisions to reflect the renumbering of the Fair Political Practices Commission

(FPPC) regulations referenced within the Conflicts of Interest Code due to recent changes made by the FPPC.

SUBMITTED BY:
Janice McConnell, Assistant City Manager

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

REVIEWED BY:
Yvette M. Abich Garcia, City Attorney
Tommi Ng, Assistant Human Resources / Risk Management Director

---

Attachments

Resolution No. 8372

RESOLUTION NO. 8372

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDLANDS AMENDING ITS CONFLICT OF INTEREST CODE PURSUANT TO THE POLITICAL REFORM ACT OF 1974, INCLUDING THOSE CITY DESIGNATED EMPLOYEES IN THEIR CAPACITY AS STAFF FOR THE SUCCESSOR AGENCY TO THE FORMER REDEVELOPMENT AGENCY OF THE CITY OF REDLANDS AND RESCINDING RESOLUTION NO. 8129

WHEREAS, the Legislature of the State of California enacted the Political Reform Act of 1974, Government Code section 81000 *et seq*. (the "Act"), which contains provisions relating to conflicts of interest which potentially affect all officers, employees, and consultants of the City of Redlands (the "City"), and requires all public agencies to adopt and promulgate a Conflict of Interest Code; and

WHEREAS, the City adopted a Conflict of Interest Code pursuant to the Political Reform Act of 1974 by Resolution No. 3290 on October 5, 1976; and

WHEREAS, the City has amended its Conflict of Interest Code periodically as mandated by law and as deemed necessary by the City Council of the City (this "City Council"); and

WHEREAS, this City Council last amended its Conflict of Interest Code by Resolution No. 8129 on September 1, 2020; and

WHEREAS, this City Council wishes to update its Conflict of Interest Code to identify the current designated City employees and consultants that are subject to the Conflict of Interest Code; and

WHEREAS, on November 1, 2011, this City Council approved Resolution No. 7089 electing to serve as the successor agency ("Successor Agency"), pursuant to AB X1 26, to the former Redevelopment Agency of the City of Redlands; and

WHEREAS, this City Council, for purposes of carrying out its role as Successor Agency, has amended the City's Conflict of Interest Code, including those current designated City employees and consultants serving in the capacity as staff to the Successor Agency, and consultants, that are subject to the City's Conflict of Interest Code;

NOW, THEREFORE, be it resolved by the City Council of the City of Redlands that the Conflict of Interest Code as set forth in Resolution No. 8129 is hereby rescinded in its entirety and replaced with the Conflict of Interest Code, attached as Exhibit "1," which is hereby adopted for the City of Redlands in its capacity as Successor Agency to the former Redevelopment Agency of the City of Redlands.

ADOPTED AND APPROVED this 20th day of September, 2022.

_____
Paul T. Barich, Mayor

ATTEST:

_____
Jeanne Donaldson, City Clerk

I, Jeanne Donaldson, City Clerk of the City of Redlands, hereby certify that the foregoing Resolution No. 8372 was duly adopted by the City Council at a regular meeting thereof, held on the 20th day of September, 2022, by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

_____
Jeanne Donaldson, City Clerk

EXHIBIT "1"

CITY OF REDLANDS AND THE SUCCESSOR AGENCY TO THE FORMER REDEVELOPMENT AGENCY OF THE CITY OF REDLANDS

CONFLICT OF INTEREST CODE

Adopted: October 5, 1976
Last Amended: September 20, 2022

TABLE OF CONTENTS

A. Purpose/Incorporation by Reference

1. Statement of Purpose 3
2. Incorporation by Reference 3

B. Definition of Terms 3

C. Disclosure Statements

1. Designated Employees 4
2. Disclosure Requirements 4
3. Statements of Economic Interests: Time of Filing Statements; Contents Thereof 4
4. Statement for Persons who Resign 30 Days after Appointment 4
5. Place of Filing Statements 4
6. Forms for Statements 4

D. Manner of Reporting 5

E Disqualification 5

F. Opinions of the Commission and Counsel

1. Request for Opinion and Reliance 5
2. Evidence of Good Faith 5

G. Legislative or Judicial Amendments 6

H. Force and Effect of Code 6

Exhibit "A" - Designated Positions 7
Exhibit "B" - Disclosure Categories 9

ADDENDUM
Reference Definitions 10

CONFLICT OF INTEREST CODE

OF THE

CITY OF REDLANDS, AND OF THE SUCCESSOR AGENCY TO THE FORMER REDEVELOPMENT AGENCY OF THE CITY OF REDLANDS

A. Purpose/Incorporation by Reference.

1. Statement of Purpose. It is the purpose of this Code to provide for the disclosure of designated employee assets and income which may be materially affected by such employees' official actions, and, in appropriate circumstances, to provide that designated employees should be disqualified from acting in order that conflicts of interest may be avoided. Nothing contained herein is intended to modify or abridge the provisions of the Political Reform Act of 1974 (Government Code section 81000, *et seq*.) (the "Act").

2. Incorporation by Reference. The Act requires state and local government agencies to adopt and promulgate conflict of interest codes. The Fair Political Practices Commission has adopted regulations (2 Cal. Code of Regs., section 18730, *et seq*.) which contain the terms of a standard conflict of interest code, and which can be incorporated by reference in an agency's code. After public notice and hearing, the agency's conflict of interest code may be amended by the Fair Political Practices Commission to conform to amendments in the Political Reform Act. Therefore, the provisions of 2 California Code of Regulations section 18730, *et seq*., and any amendments to them duly adopted by the Fair Political Practices Commission, are hereby incorporated by reference. These regulations, and the attached Appendix designating officials and employees and establishing disclosure categories, shall constitute the Conflict of Interest Code of the City of Redlands ("City").

3. Public Availability. Designated employees shall file their statements with the City, which will then make the statements available for public inspection and reproduction (Government Code section 81008). Statements for designated employees will be retained by the City.

B. Definition of Terms. This Conflict of Interest Code contains a number of key terms, such as "designated employee," "interests in real property within the jurisdiction," "investments in business entities," "income," and decisions "made" or "participated in" by a designated employee, which are defined in the Act and the regulations of the Fair Political Practices Commission (2 Cal. Code of Regs., section 18110, *et seq*.). These definitions and regulations, and any amendments to the Act or regulations, are incorporated by reference into this Conflict of Interest Code. Summaries of certain definitions are contained in the attached Addendum, which is provided for convenience of reference only, and are not a part of this Conflict of Interest Code. The definitions of key terms contained in the Act or the regulations are amended and changed from time to time. The summaries of definitions contained in the Addendum will be updated accordingly on a periodic basis.

C. Disclosure Statements.

1. Designated Employees. The persons holding positions listed in Exhibit "A" of the Appendix of this Conflict of Interest Code are "designated employees." It has been determined that these officers and employees make or participate in the making of decisions which may foreseeably have a material effect on financial interests.

2. Disclosure Requirements. Each designated employee shall file an annual statement disclosing interests in real property within the City's jurisdiction, investments in business entities, business positions held or received during the previous calendar year, and income or sources of income which might foreseeably be affected materially by the operations of the City. The City has determined that it is foreseeable that the types of investments, interests in real property, business positions held or received during the previous calendar year, and income, and sources of income listed in Exhibit "B" of the Appendix may be affected materially by decisions made or participated in by the designated employee by virtue of his or her position, and are reportable if held by the designated employee.

3. Statements of Economic Interests: Time of Filing Statements; Contents Thereof.

(a) Initial Statements. All designated employees employed on the effective date of this Conflict of Interest Code, as originally adopted, promulgated and approved by the City Council, shall file statements within thirty (30) days after the effective date of this Conflict of Interest Code. Thereafter, each person already in a position when it is designated by an amendment to this Conflict of Interest Code shall file an initial statement within thirty (30) days after the effective date of the amendment. Initial statements shall disclose any reportable investments, interests in real property, income and business positions held or received during the twelve (12) months prior to the effective date of this Conflict of Interest Code.

(b) Assuming Office Statements. All new designated employees who are appointed, promoted or transferred to a designated position after the effective date of this Conflict of Interest Code shall file statements within thirty (30) days after assuming the designated position, disclosing any reportable income, investments, interests in real property and business positions held or received during the twelve (12) months prior to the date of assuming office.

(c) Annual Statements. Annual statements shall be filed by all designated employees on or before April 1 of each year, disclosing any reportable investments, interests in real property, income and business positions held or received in the period since the closing date of the employee's previously filed statement and December 31.

(d) Leaving Office Statements. Every designated employee who leaves office and does not assume another designated position for the City shall file a statement within thirty (30) days after leaving office disclosing any reportable investments, interests in real property, income

and business positions held or received during the period since the last previous statement was filed.

(e) Candidates' Statements. Candidates for election to City positions shall file a statement no later than the final date for filing Declarations of Candidacy, disclosing reportable investments and interests in real property held on the final date for filing Declarations of Candidacy. This subsection shall not apply to candidates who filed statements with the City within the previous twelve (12) months under subsections (a), (b) or (c) of this Section.

4. Statement for Persons who Resign 30 Days after Appointment. Persons who resign within thirty (30) days of initial appointment are not deemed to have assumed office or left office provided they did not make or participate in the making of, or use their position to influence any decision and did not receive or become entitled to receive any form of payment as a result of their appointment. Such persons shall not file either an assuming or leaving office statement.

5. Place of Filing Statements. All designated employees required to submit a statement of economic interests shall file the original with the City Clerk. The City Clerk shall make and retain a copy of all statements filed by members of and candidates for the City Council of the City of Redlands, the City Manager and City officials who manage public investments, and the City Attorney, and forward the original of each such statement to the Fair Political Practices Commission ("FPPC"). The City Clerk shall retain the originals of the statements of all other designated employees.

6. Forms for Statements. Forms for filing disclosure statements will be made available by the City Clerk, and will adhere to the forms prescribed by the FPPC.

D. Manner of Reporting. The designated employee shall report all economic interests as required under California Code of Regulations section 18730.

E. Disqualification. Designated employees must disqualify themselves as required pursuant to California Code of Regulations section 18730 (section 9).

F. Opinions of the Commission and Counsel.

1. Request for Opinion and Reliance. Any designated employee who is unsure of any duty, right, or privilege of participation in any matter under this Code or under the provisions of the Act may request a formal opinion or letter of advice from the FPPC, or an opinion from the City Attorney, provided that nothing in this Conflict of Interest Code requires the City Attorney to issue any formal or informal opinion.

2. Evidence of Good Faith. If an opinion or a letter of advice is rendered by the FPPC stating in full the facts and law upon which the opinion is based, compliance therewith by the designated employee is evidence of good faith in any criminal proceeding and is a presumption affecting the burden of proof of any civil proceeding brought under the Act or this Conflict of Interest Code. The designated employee's good faith compliance with such opinion shall also

constitute a complete defense to any disciplinary action brought by the authority under section 91000 et seq. of the Act or this Conflict of Interest Code.

G. Legislative or Judicial Amendments. All amendments or changes to the provisions of the Act, occurring as the result of legislative amendment or judicial decision, shall automatically and immediately be incorporated into this Conflict of Interest Code and this Conflict of Interest Code shall, without further action, thereupon be deemed amended and changed to reflect such legislative or judicial amendment or decision.

H. Force and Effect of Code. This Conflict of Interest Code has the force and effect of law. Designated employees violating any provision of this Conflict of Interest Code are subject to the administrative, criminal and civil sanctions provided by the Act.

EXHIBIT "A"

DESIGNATED POSITIONS

The Mayor, Members of the City Council, Board Members of the Successor Agency, the City Manager, the Executive Director of the Successor Agency, and other City officials who manage public investments, and the City Attorney, are included in and governed by this Conflict of Interest Code only with respect to its disqualification provisions. For purpose of disclosure, the Mayor, members of the City Council and Board Members of the Successor Agency, Planning Commissioners, the City Manager, the Executive Director of the Successor Agency, City Attorney, City Treasurer, and the City officials who make public investments are governed by the statutory conflicts of interest provisions of Article 2 of Chapter 7 of the Political Reform Act of 1974 (Government Code section 87200, *et seq*.).

DESIGNATED EMPLOYEE'S TITLE OR FUNCTION	**DISCLOSURE CATEGORIES ASSIGNED**
CITY CLERK'S OFFCE	
City Clerk	All Disclosure Categories (1-7)
CITY MANAGER'S OFFICE	
Assistant City Manager	All Disclosure Categories (1-7)
Project Manager	Disclosure Categories (1,3,5,7)
Grants Coordinator	Disclosure Categories (1,3,5,7)
Management Analyst	All Disclosure Categories (1-7)
Administrative Analyst	Disclosure Categories (1,3,5,7)
Public Information Officer	All Disclosure Categories (1-7)
Multimedia Production Officer	Disclosure Categories (1,3,5,7)
Procurement Manager	All Disclosure Categories (1-7)
DEVELOPMENT SERVICES	
Development Services Director	All Disclosure Categories (1-7)
Management Analyst	All Disclosure Categories (1-7)
Administrative Analyst	Disclosure Categories (1,3,5-7)
One Stop Permit Center Manager	All Disclosure Categories (1-7)
Asst/Assoc/Civil/Sr. Civil	Disclosure Categories (1,3,5-7)
Chief Building Official	All Disclosure Categories (1-7)
Sr. Plans Examiner	Disclosure Categories (1,3,5-7)
Economic Development Manager	All Disclosure Categories (1-7)
City Planner	All Disclosure Categories (1-7)
Principal Planner	Disclosure Categories (1,3,5-7)
Senior Planner	Disclosure Categories (1,3,5-7)
FIRE	
Fire Chief	All Disclosure Categories (1-7)
Fire Marshal	All Disclosure Categories (1-7)
Deputy Fire Chief	All Disclosure Categories (1-7)
Deputy Fire Marshal	All Disclosure Categories (1-7)
Battalion Chief	Disclosure Categories (1-3, 5-7)
EMS Coordinator	Disclosure Categories (1,3,5-7)

Management Analyst	All Disclosure Categories (1-7)
Emergency Operations Specialist	Disclosure Categories (1,3,5-7)
DESIGNATED EMPLOYEE'S TITLE OR FUNCTION	**DISCLOSURE CATEGORIES ASSIGNED**
HUMAN RESOURCES/RISK	
Assistant Director, HR/Risk Management	All Disclosure Categories (1-7)
HR/Risk Manager	All Disclosure Categories (1-7)
HR Analyst	Disclosure Categories (1,3,5-7)
Risk Management Specialist	Disclosure Categories (1,3,5-7)
Human Resource Specialist	Disclosure Categories (1,3,5-7)
LIBRARY	
Library Director	All Disclosure Categories (1-7)
Archivist Curator	All Disclosure Categories (1-7)
Principal Librarian	Disclosure Categories (1,3,5-7)
Systems Administrator	Disclosure Categories (1,3,5-7)
Management Analyst	All Disclosure Categories (1-7)
Senior Librarian	Disclosure Categories (1,3,5-7)
Special Collections Manager	Disclosure Categories (1,3,5-7)
Adult Literacy Coordinator	Disclosure Categories (1,3,5-7)
Technical Services Coordinator	Disclosure Categories (1,3,5-7)
MANAGEMENT SERVICES/FINANCE	
Director, Management Services/Finance	All Disclosure Categories (1-7)
IT Manager	All Disclosure Categories (1-7)
Network Engineer	Disclosure Categories (1,3,5-7)
GIS Supervisor	All Disclosure Categories (1-7)
IT Systems Supervisor	All Disclosure Categories (1-7)
Database Administrator	Disclosure Categories (1,3,5-7)
System Administrator	Disclosure Categories (1,3,5-7)
GIS Analyst	Disclosure Categories (1,3,5-7)
Network Specialist	Disclosure Categories (1,3,5-7)
Assistant Finance Director	All Disclosure Categories (1-7)
Finance Manager	All Disclosure Categories (1-7)
Senior Accountant	Disclosure Categories (1,3,5-7)
Management Analyst	All Disclosure Categories (1-7)
Accountant	Disclosure Categories (1,3,5-7)
Revenue Supervisor	All Disclosure Categories (1-7)
Utilities Customer Service Supervisor	All Disclosure Categories (1-7)
Accountant	Disclosure Categories (1,3,5-7)
Payroll Coordinator	All Disclosure Categories (1-7)
MUNICIPAL UTILITIES & ENGINEERING	
Director of Municipal Utilities and Public Works Engineering/City Engineer	All Disclosure Categories (1-7)
City Engineer	All Disclosure Categories (1-7)
Construction Manager	All Disclosure Categories (1-7)
Asst/Assoc/Civil/Sr. Civil Engineer	Disclosure Categories (1,3,5-7)
Field Services Coordinator	Disclosure Categories (1,3,5-7)
Utilities Operations Manager	All Disclosure Categories (1-7)

Laboratory Manager	All Disclosure Categories (1-7)
Water Production/Maintenance Superintendent	All Disclosure Categories (1-7)
Water Distribution Superintendent	All Disclosure Categories (1-7)
Water Production Operations Supervisor	All Disclosure Categories (1-7)
Water Productions Maintenance Supervisor	All Disclosure Categories (1-7)
Water Distribution Supervisor	All Disclosure Categories (1-7)
Wastewater Operations Superintendent	All Disclosure Categories (1-7)
Wastewater Operations Supervisor	All Disclosure Categories (1-7)
Wastewater Collection System Supervisor	All Disclosure Categories (1-7)
POLICE	
Chief of Police	All Disclosure Categories (1-7)
Deputy Police Chief	All Disclosure Categories (1-7)
Police Commander	All Disclosure Categories (1-7)
Police Operations Manager	All Disclosure Categories (1-7)
Management Analyst	All Disclosure Categories (1-7)
Police Operations Coordinator	Disclosure Categories (1,3,5-7)
Police Customer Service Supervisor	All Disclosure Categories (1-7)
FACILITIES AND COMMUNITY SERVICES	
Assistant Director, FCS	All Disclosure Categories (1-7)
Sr. Manager, FCS	All Disclosure Categories (1-7)
Manager, FCS	All Disclosure Categories (1-7)
Field Services Superintendent	All Disclosure Categories (1-7)
Field Services Project Supervisor	All Disclosure Categories (1-7)
Homeless Solutions Coordinator	Disclosure Categories (1,3,5-7)
Administrative Analyst	Disclosure Categories (1,3,5-7)
Airport Supervisor	All Disclosure Categories (1-7)
Solid Waste Manager	All Disclosure Categories (1-7)
Solid Waste Collections Supervisor	All Disclosure Categories (1-7)
Solid Waste Route Coordinator	Disclosure Categories (1,3,5-7)
Recycling Coordinator	Disclosure Categories (1,3,5-7)
Fleet Services Coordinator	Disclosure Categories (1,3,5-7)
Cemetery Manager	All Disclosure Categories (1-7)
Animal Control Supervisor	All Disclosure Categories (1-7)
Recreation Supervisor	All Disclosure Categories (1-7)
COMMISSIONS	
Historic and Scenic Preservation Commissioners	Disclosure Categories (1,2,3,7)
Library Board of Trustees	All Disclosure Categories (1-7)
Consultants *	

* Consultants, who provide services under contract to fill one of the above-referenced designated positions, shall be included in the list of designated employees and shall disclose pursuant to the broadest disclosure category in this Code subject to the following limitation: The City Manager may determine in writing that a particular consultant, although a "designated position," is hired to perform a range of duties that are limited in scope and thus is not required to fully comply with the disclosure requirements described in this section. Such written determination shall include a description of the consultant's duties and, based upon that description, a statement of the extent of

disclosure requirements. The City Manager's determination is a public record and shall be retained for public inspection in the same manner and location as this Conflict of Interest Code.

EXHIBIT "B"

DISCLOSURE CATEGORIES

The disclosure categories listed below identify the types of investments, business entities, sources of income, or real property, which the designated employee must disclose for each disclosure category for each disclosure category to which he or she is assigned.

Category 1: All investments and business positions in, and sources of income from, business entities that do business or own real property within the jurisdiction of the City, plan to do business or own real property within the jurisdiction of the City within the next year, or have done business or owned real property within the jurisdiction of the City within the past two (2) years.

Category 2: All interests in real property which is located in whole or in part within, or not more than two (2) miles outside, the jurisdiction of the City.

Category 3: All investments and business positions in, and sources of income from, business entities that are engaged in land development, construction, or the acquisition or sale of real property within the jurisdiction of the City, plan to engage in such activities within the jurisdiction of the City within the next year, or have engaged in such activities within the jurisdiction of the City within the past two (2) years.

Category 4: All investments and business positions in, and sources of income from, business entities that are banking, savings and loan, or other financial institutions.

Category 5: All investments and business positions in, and sources of income from, business entities that provide services, supplies, materials, machinery, vehicles or equipment of a type purchased or leased by the City.

Category 6: All investments and business positions in, and sources of income from, business entities that provide services, supplies, materials, machinery, vehicles or equipment of a type purchased or leased by the Designated Employee’s Department.

Category 7: All investments and business positions in, and sources of income from, business entities subject to the regulatory, permit, or licensing authority of the Designated Employee’s Department, will be subject to such authority within the next year, or have been subject to such authority within the past two (2) years.

ADDENDUM

REFERENCE DEFINITIONS

FOR THE

CONFLICT OF INTEREST CODE

OF THE

THE CITY OF REDLANDS

TABLE OF CONTENTS

DEFINITIONS

1. "Public Official".....Addendum – 12
2. "Member".....Addendum – 12
3 "Consultant" .....Addendum – 12
4. "Designated Employee" .....Addendum – 13
5. "Making Governmental Decisions" .....Addendum – 13
6. "Participating in the Making of Governmental Decisions" .....Addendum – 13
7. "Financial Interest" .....Addendum – 14
8. "Material Financial Effect" .....Addendum – 15
9. "Business Entity" .....Addendum – 15
10. "City" .....Addendum – 15
11. "Act" .....Addendum – 15

DEFINITIONS

1. "Public Official" means every member, officer, employee or consultant of a state or local government agency, but does not include judges and court commissioners in the Judicial branch of government. "Public official" also does not include members of the Board of Governors and designated employees of the State Bar of California, members of the Judicial Council and members of the Commission on Judicial Performance, provided that they are subject to the provisions of Article 2.5 (commencing with section 6035) of Chapter 4 of Division 3 of the Business and Professions Code as provided in section 6038 of that Article. Government Code section 82048.

2. "Member" shall include, but not be limited to, salaried or unsalaried members of committees, boards or commissions with decision making authority.

A. A committee, board or commission possesses decision making authority whenever:

i. It may make a final governmental decision, or

ii. It may compel a governmental decision; or it may prevent a governmental decision either by reason of an exclusive power to initiate the decision or by reason of a veto that may not be overridden; or

iii. It makes substantive recommendations that are, and over an extended period of time have been, regularly approved without significant amendment or modification by a public official or the City Council. 2 CCR section 18700.

B. A committee, board, or commission does not possess decision making authority of it is formed for the sole purpose of researching a topic and preparing a report of recommendation for submission to another governmental body that has final decision-making authority.

3. "Consultant" means an individual who, pursuant to a contract with a state or local government agency:

A. Makes a governmental decision whether to:

i. Approve a rate, rule or regulation;

ii. Adopt or enforce a law;

iii. Issue, deny, suspend, or revoke any permit, license, application, certificate, approval, order, or similar authorization or entitlement;

iv. Authorize the agency to enter into, modify, or renew a contract provided it is the type of contract that requires agency approval;

v. Grant agency approval to a contract that requires agency approval and to which the agency is a party, or to the specifications for such a contract;

vi. Grant agency approval to a plan, design, report, study, or similar item;

vii. Adopt, or grant agency approval of, policies, standards, or guidelines for the agency, or for any subdivision thereof; or

B. Serves in a staff capacity with the agency and in that capacity participates in making a governmental decision as defined in Regulation section 18704 or performs the same or substantially all the same duties for the agency that would otherwise be performed by an individual holding a position specified in the agency's Conflict of Interest Code under Government Code section 87302. 2 CCR section 18700.3.

4. "Designated Employee" means any official of the Agency whose position is so designated in the Appendix of the Agency's Conflict of Interest Code. The Appendix sets forth those positions which entail the making or participation in the making of decisions which may foreseeably have a material financial effect on any financial interest, but does not include any unsalaried member of any board or commission which serves a solely advisory function. Government Code section 82019.

5. "Making a Governmental Decision." A public official "makes a governmental decision," except as provided in 2 California Code of Regulations section 18704, when the official, acting within the authority of his or her office or position:

(1) Votes on a matter;

(2) Appoints a person;

(3) Obligates or commits his or her agency to any course of action;

(4) Enters into any contractual agreement on behalf of his or her agency;

(5) Determines not to act, within the meaning of subdivisions 1, 2, 3, 4, above, unless such determination is made because of his or her financial interest. When the determination not to act occurs because of the official's financial interest, the official's determination may be accompanied by an oral or written disclosure of the financial interest. 2 CCR section 18707

6. "Participating in the Making of Governmental Decisions": A public official "participates in making a governmental decision," except as provided in Title 2, Code of Regulations section 18704, when, acting within the authority of his or her position, the official:

(a) Negotiates, without significant substantive review, with a governmental entity or private person regarding a governmental decision referenced in Title 2, California Code of Regulations section 18700(c)(4); or

(b) Advises or makes recommendations to the decision maker either directly or without significant intervening substantive review, by:

(1) Conducting research or making any investigation which requires the exercise of judgment on the part of the official and the purpose of which is to influence a governmental decision referenced in Title 2, California Code of Regulations section 18704; or

(2) Preparing or presenting any report, analysis, or opinion, orally, or in writing, which requires the exercise of judgment on the part of the official and the purpose of which is to influence a governmental decision referenced in Title 2, California Code of Regulations section 18700(c)(4); 2 CCR section 18704

7. "Financial Interest": A public official has a financial interest in a decision within the meaning of Government Code section 87100 if it is reasonably foreseeable that the decision will have a material financial effect, distinguishable from its effect on the public generally, on the official, a member of his or her immediate family, or on any of the following:

(a) Any business entity in which the public official has a direct or indirect investment worth two thousand dollars ($2,000) or more.

(b) Any real property in which the public official has a direct or indirect interest worth two thousand dollars ($2,000) or more.

(c) Any source of income, except gifts or loans by a commercial lending institution made in the regular course of business on terms available to the public without regard to official status, aggregating five hundred dollars ($500) or more in value provided or promised to, received by, the public official within 12 months prior to the time when the decision is made.

(d) Any business entity in which the public official is a director, officer, partner, trustee, employee, or holds any position of management.

(e) Any donor of, or any intermediary or agent for a donor of, a gift or gifts aggregating two hundred fifty dollars ($250) or more in value provided to, received by, or promised to the public official within 12 months prior to the time when the decision is made. The amount of the value of gifts specified by this subsection shall be adjusted biennially by the commission to equal the same amount determined by the commission pursuant to subdivision (f) of Government Code section 89503.

For purposes of this section, indirect investment or interest means any investment or interest owned by the spouse or dependent child of a public official, by an agent on behalf of a public official, or by a business entity or trust in which the official, the official's agents, spouse,

and dependent children own directly, indirectly, or beneficially a 10-percent interest or greater. Government Code § 87103; 2 CCR section 18700(c)(6).

8. "Material Financial Effect" means the financial effect of a governmental decision on a financial interest of a public official is material if, at the time the official makes or participates in making the decision, the decision will have a significant effect on the official or a member of the official's immediate family, or on the source of income, the source of gifts, the business entity, or the real property, which is an economic interest of the official. In determining whether it is reasonably foreseeable that the effects of a governmental decision will be significant, consideration should be given to the factors defined in Title 2 CCR sections 18702, 18702.1, 18702.2, 18702.3, 18702.4 and 18702.5. 2 CCR section 18702.

9. "Business Entity" means any organization or enterprise operated for profit, including but not limited to a proprietorship, partnership, firm, business trust, joint venture, syndicate, corporation or association. Government Code section 82005.

10. "Act" means the Political Reform Act of 1974, Government Code section 81000, *et seq*.

City Council/Financing Authority Meeting **I. 5.**

DATE: 09/20/2022

TO: Honorable Mayor and City Council Members

SUBJECT: Approve the Intergovernmental Purchase of Network Hardware from Presidio in the amount of $102,390, and an Additional Appropriation of the same from the General Fund's Unassigned Fund Balance (Management Services/Finance Director Garcia)

MOTION(S):

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

1. I move to approve an Intergovernmental Purchase of Network Hardware from Presidio in the amount of $102,390.

2. I further move that the City Council approve an additional appropriation of $102,390 from the General Fund's unassigned fund balance.

RECOMMENDATION:

Staff recommends that City Council approve an Intergovernmental Purchase of Network Hardware from Presidio in the amount of $102,390, and approve an additional appropriation of $102,390 from the General Fund's unassigned fund balance.

DISCUSSION:

With the recent purchase of 300 E. State Street, there is a need for network infrastructure equipment to provide all communication resources for staff within the building. Without a network infrastructure within the building, staff would not have the ability to utilize email, voice over IP phone service or use various enterprise applications.

The network hardware proposed is the current industry standard for network infrastructure offered by Cisco. This equipment will provide ultra high speed

(10Gbps) connectivity between each floor of the building. There are also Cisco Meraki wireless access points (WiFi) included that will provide optimal wireless network coverage for mobile devices in office spaces. All equipment will be purchased to include five years of software maintenance and hardware support to cover security upgrades or hardware replacements.

Staff followed the City's procurement guidelines by examining and selecting an existing competitively-bid cooperative contract agreement within NASPO (National Association of State Procurement Officials). NASPO is a cooperative purchasing program facilitating public procurement solicitations and agreements using a lead-state model. NASPO provides the highest standard of excellence in public cooperative contracting. By leveraging the leadership and expertise of all states and the purchasing power of their public entities, NASPO ValuePoint delivers the highest valued, reliable and competitively sourced contracts - offering public entities outstanding prices.

ALTERNATIVES:

City Council may choose to reject, modify or table the proposed purchase. However, the purchase is recommended in order to provide network connectivity to the recently purchased building at 300 E. State Street.

STRATEGIC PLAN:

N/A

SUBMITTED BY:
Danielle Garcia, Management Services/Finance Director

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

REVIEWED BY:
Janice McConnell, Assistant City Manager
Christopher Boatman, Assistant City Manager
Dana Abramovitz-Daniel, Procurement Manager

PREPARED BY:
Eric Owens, Network Engineer

Fiscal Impact

Fiscal Year:	FY 2022-23
Revenue Generating:	No
Appropriation Required Y/N:	Y
Amount:	$102,390
Budgeted Y/N:	N
Account No.:	101310

Discussion:

The total cost of the required network hardware and associated software is $102,390. These costs were unknown at the time of budget planning and have therefore been omitted from the budget. Staff is recommending an additional appropriation of the amount, $102,390, from the General Fund's unassigned fund balance. The unassigned fund balance in the General Fund is projected to be approximately $21.4 million at June 30, 2022.

Attachments

Additional Appropriation Form - 300 E. State St. network hardware

NASPO Award summary

Presidio Quote

Cooperative and Intergovernmental Form

NASPO Contract

CITY OF REDLANDS
REQUEST FOR ADDITIONAL APPROPRIATION

DATE OF REQUEST: 8/23/2022

FINANCE USE ONLY
TRANSACTION NO:
ACCOUNTING PERIOD:

An additional appropriation is hereby requested as follows:

Department: Management Services - DoIT

EXPENDITURE APPROPRIATION INCREASE (if applicable)				
Account Description	**Orgkey**	**Object Code**	**Job Ledger (If applicable)**	**Amount**
Computer Equipment	101310	8703		$ 102,390.00
				$ $ 102,390.00

REVENUE APPROPRIATION INCREASE (if applicable)				
Account Description	**Orgkey**	**Object Code**	**Job Ledger (If applicable)**	**Amount**
				$ 0.00
				$ $ 0.00

JUSTIFICATION: Funding for the network infrastructure equipment necessary to begin the move into 300 East State Street (State Street City Hall). No revenue offset - General Fund unassigned fund balance will offset these costs. (CC mtg. of 9/20/2022)

Requested By: Danielle Garcia
Department Head

Recommended By Finance Director:

Yes X No ____ Signed ____

Comments: ____

Recommended: ____
City Manager

Approved by City Council:

Date: ____

Signed: ____
City Clerk

- Wisconsin
- Wyoming

Related Links

Partner Locator

CMO Contract Overview

Data Center and Virtualization Overview

Unified Computing System Solution Overview

Cisco Energy Star Certified Products

Cisco Supplier Sustainability

About NASPO ValuePoint

State of California



NVP #AR3227

Participating Addendum for CA # 7-20-70-47-01
Contract Start Date: 06/01/2021
Contract End Date: 09/30/2024

Price List

By continuing to use our website, you acknowledge the use of cookies.
Privacy Statement > Change Settings >

NVP State of Utah RFP/Solicitation #SK18001

- Data Communications RFP
- Award Notification (PDF - 902.8 KB)
- Vendor Award Categories Chart

Cisco Executed Contracts

- Cisco NVP Master Agreement (Executed 9/4/2019) (PDF - 1.9MB)
- Attachment B of the Cisco NVP Master Agreement AR3227 (PDF - 1.3MB)
- Attachment C of the Cisco NVP Master Agreement AR3227(PDF - 1.2MB)
- NASPO ValuePoint Logo Agreement (PDF - 510 KB)
- Amendment 1 to NVP Master Agreement (PDF - 852 KB)

Participating Addendum

- Alaska - AK #2020-DATACOMM-0001
- Arkansas - #4600048977; SP-20-0051
- California - # 7-20-70-47-01
- Colorado #172938
- Connecticut #SO-21081
- Delaware #GSS20579-DATACOMM
- District of Columbia #CW77668
- Florida #43220000-NASPO-19-ACS
- Hawaii #20-11
- Idaho #PADD20210672
- Iowa #21294
- Kansas #00000000000000000000047258
- Kentucky #MA 758 2100000767
- Louisiana #AR3227
- Missouri #AR3227-MO
- Michigan #210000001333
- Montana #NVP-AR3227
- Nebraska #15403 OC
- Nevada #99SWC-NV20-4447
- New Hampshire #3
- New Jersey #21-TELE-01506
- New Mexico #00-00000-20-00104AB
- Oklahoma
- Oregon #1605
- Rhode Island
- South Dakota #17371
- Tennessee #65778
- Utah #AR3227

By continuing to use our website, you acknowledge the use of cookies.
Privacy Statement > Change Settings >

PRESIDIO

QUOTE: 2003222211242-01

DATE: 07/29/2022

TO:
City of Redlands
Eric Owens
35 Cajon Street
Redlands, CA 92373

eowens@cityofredlands.org
(p) (909) 798-7600
(f) (909) 335-4762

FROM:
Presidio Networked Solutions Group, LLC
Joe Bowman
5000 Hopyard Rd
Suite 188
Pleasanton, CA 94588

josephbowman@presidio.com

BILL TO:
City of Redlands
Accounts Payable
PO BOX 3005
Redlands, CA 92373

accountspayable@cityofredlands.org
(p) (909) 335-4789

SHIP TO:
City of Redlands

35 Cajon St
Redlands, CA 92373

Customer#: CITYO785

Contract Vehicle: California NASPO ValuePoint Cisco AR3227 CA# 7-20-70-47-01

Account Manager: Joe Bowman

Inside Sales Rep: Joe Dykhuis

Title: City of Redlands - Project 1 – 300 State St. 6 Story Building

#	Part #	Description	Unit Price	Qty	Ext Price
C9500-16X-E					
1	C9500-16X-E	Catalyst 9500 16-port 10Gig switch, Essentials	$10,464.52	2	$20,929.04
2	CON-SNT-C95016EX	SNTC-8X5XNBD Catalyst 9500 16-port 10Gig switch, Netw	$1,199.56	2 for 60 mo(s)	$11,995.60
3	C9500-NW-E	C9500 Network Stack, Essentials	$0.00	2	$0.00
4	S9500UK9-176	Cisco Catalyst 9500 XE 17.6 UNIVERSAL	$0.00	2	$0.00
5	C9500-NM-8X	Cisco Catalyst 9500 8 x 10GE Network Module	$2,495.89	2	$4,991.78
6	PWR-C4-950WAC-R	950W AC Config 4 Power Supply front to back cooling	$0.00	2	$0.00
7	PWR-C4-950WAC-R/2	950W AC Config 4 Power Supply front to back cooling	$1,415.91	2	$2,831.82
8	CAB-TA-NA	North America AC Type A Power Cable	$0.00	4	$0.00
9	C9500-DNA-16X-E	C9500 DNA Essentials, Term licenses	$0.00	2	$0.00
10	C9500-DNA-L-E-5Y	DNA Essential 5 Year License	$987.71	2	$1,975.42
11	NETWORK-PNP-LIC	Network Plug-n-Play Connect for zero-touch device deployment	$0.00	2	$0.00
				Total:	**$42,723.66**
C9300L-48PF-4X-E					
12	C9300L-48PF-4X-E	Catalyst 9300L 48p Full PoE, Network Essentials,4x10G Uplink	$5,843.45	1	$5,843.45
13	CON-SNT-C9300PFE	SNTC-8X5XNBD Catalyst 9300L 48p Full PoE, Network Ess	$669.60	1 for 60 mo(s)	$3,348.00
14	C9300L-NW-E-48	C9300L Network Essentials, 48-port license	$0.00	1	$0.00
15	C9300L-STACK-BLANK	Catalyst 9300L Blank Stack Module	$0.00	2	$0.00
16	FAN-T2	Cisco Type 2 Fan Module	$0.00	3	$0.00

17	S9300LUK9-176	Cisco Catalyst 9300L XE 17.6 UNIVERSAL	$0.00	1	$0.00
18	PWR-C1-1100WAC-P	1100W AC 80+ platinum Config 1 Power Supply	$0.00	1	$0.00
19	PWR-C1-1100WAC-P/2	1100W AC 80+ platinum Config 1 Secondary Power Supply	$1,281.06	1	$1,281.06
20	CAB-TA-NA	North America AC Type A Power Cable	$0.00	2	$0.00
21	C9300L-SSD-NONE	No SSD Card Selected	$0.00	1	$0.00
22	C9300L-DNA-E-48	C9300L Cisco DNA Essentials, 48-port license	$0.00	1	$0.00
23	C9300L-DNA-E-48-5Y	C9300L Cisco DNA Essentials, 48-port, 5 Year Term license	$1,105.99	1	$1,105.99
24	NETWORK-PNP-LIC	Network Plug-n-Play Connect for zero-touch device deployment	$0.00	1	$0.00
				Total:	**$11,578.50**
SFP-10G-SR=					
25	SFP-10G-SR=	10GBASE-SR SFP Module	$610.26	12	$7,323.12
				Total:	**$7,323.12**
C9300L-48PF-4X-E					
26	C9300L-48PF-4X-E	Catalyst 9300L 48p Full PoE, Network Essentials,4x10G Uplink	$5,843.45	2	$11,686.90
27	CON-SNT-C9300PFE	SNTC-8X5XNBD Catalyst 9300L 48p Full PoE, Network Ess	$669.60	2 for 60 mo(s)	$6,696.00
28	C9300L-NW-E-48	C9300L Network Essentials, 48-port license	$0.00	2	$0.00
29	FAN-T2	Cisco Type 2 Fan Module	$0.00	6	$0.00
30	S9300LUK9-176	Cisco Catalyst 9300L XE 17.6 UNIVERSAL	$0.00	2	$0.00
31	PWR-C1-1100WAC-P	1100W AC 80+ platinum Config 1 Power Supply	$0.00	2	$0.00
32	PWR-C1-1100WAC-P/2	1100W AC 80+ platinum Config 1 Secondary Power Supply	$1,281.06	2	$2,562.12
33	CAB-TA-NA	North America AC Type A Power Cable	$0.00	4	$0.00
34	C9300L-SSD-NONE	No SSD Card Selected	$0.00	2	$0.00
35	C9300L-DNA-E-48	C9300L Cisco DNA Essentials, 48-port license	$0.00	2	$0.00
36	C9300L-DNA-E-48-5Y	C9300L Cisco DNA Essentials, 48-port, 5 Year Term license	$1,105.99	2	$2,211.98
37	NETWORK-PNP-LIC	Network Plug-n-Play Connect for zero-touch device deployment	$0.00	2	$0.00
38	C9300L-STACK-KIT	Cisco Catalyst 9300L Stacking Kit	$857.59	2	$1,715.18
39	C9300L-STACK	Catalyst 9300L Stack Module	$0.00	4	$0.00
40	STACK-T3-50CM	50CM Type 3 Stacking Cable for C9300L	$0.00	2	$0.00
				Total:	**$24,872.18**
SFP-10G-SR=					
41	SFP-10G-SR=	10GBASE-SR SFP Module	$610.26	2	$1,220.52
				Total:	**$1,220.52**
MR57-HW					
42	MR57-HW	Meraki MR57 Wi-Fi 6E Indoor AP	$1,601.12	4	$6,404.48
				Total:	**$6,404.48**

LIC-MR-ADV-5Y					
43	LIC-MR-ADV-5Y	Meraki MR Advanced License and Support, 5YR	$605.92	4	$2,423.68
				Total:	**$2,423.68**

****** Any Tax & Freight Charges will be added/amended at time of billing, as applicable. Sales tax and shipping are estimated and subject to change.***	**Sub Total:**	**$96,546.14**
	Estimated Tax:	**$5,844.08**
	Grand Total:	**$102,390.22**

THIS QUOTE IS GOVERNED BY THE TERMS AND CONDITIONS OF NAPSO VALUEPOINT CISCO CONTRACT AR3227 CALIFORNIA 7-20-70-47-01

QUOTE IS VALID FOR 30 DAYS FROM DATE SHOWN ABOVE.

PURSUANT TO THIS CONTRACT YOUR PO MUST REFLECT THE FOLLOWING CONTRACT:
NAPSO VALUEPOINT CISCO CONTRACT AR3227 CALIFORNIA 7-20-70-47-01

Tax ID# 76-0515249; Size Business: Large; CAGE Code: 639L4; DUNS#11-436-9671

Credit: Net 30 days (all credit terms subject to prior Presidio credit department approval)

Delivery: FOB Terms Destination

Customer hereby authorizes and agrees to make timely payment for products delivered and services rendered, including payments for partial shipments

Customer Signature _____ Date _____

Intergovernmental/ Piggyback Contract Use Request

(Attach to PR form)

The Management Services - DoIT Department requests the purchase of the following item(s) from:

Original Contracting Entity: National Association of State Procurement Officials (NASPO)
Contract#: Cisco Systems Inc. NASPO ValuePoint California Participating Addendum No. CA-AR233 7-14-70-04
Contract Term: June 1st 2021 through September 30 2024
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
Cisco Hardware		$ 96,646.14
Tax		$ 5,844.08
	Grand Total	$ 102,490.22

Vendor:	ConvergeOne
Contact:	Joe Bowman
Address 1:	5555 Ontario Mills Parkway
Address 2:	
City/State/Zip:	Ontario, CA 91764
Telephone:	909-240-7284
Fax:	
Web/E-Mail:	

Delivery/Service Location	
Contact:	Eric Owens
Telephone:	909-335-4798
Department:	Management Services
Address 1:	35 Cajon St
Address 2:	Suite 30
Additional Comments	

Purchasing Agent Approval: _____ Date: _____

City Manager Approval: _____ Date: _____

- Wisconsin
- Wyoming

Related Links

Partner Locator

CMO Contract Overview

Data Center and Virtualization Overview

Unified Computing System Solution Overview

Cisco Energy Star Certified Products

Cisco Supplier Sustainability

About NASPO ValuePoint

State of California



NVP #AR3227

Participating Addendum for CA # 7-20-70-47-01
Contract Start Date: 06/01/2021
Contract End Date: 09/30/2024

Price List

By continuing to use our website, you acknowledge the use of cookies.
Privacy Statement > Change Settings >

NVP State of Utah RFP/Solicitation #SK18001

- Data Communications RFP
- Award Notification (PDF - 902.8 KB)
- Vendor Award Categories Chart

Cisco Executed Contracts

- Cisco NVP Master Agreement (Executed 9/4/2019) (PDF - 1.9MB)
- Attachment B of the Cisco NVP Master Agreement AR3227 (PDF - 1.3MB)
- Attachment C of the Cisco NVP Master Agreement AR3227(PDF - 1.2MB)
- NASPO ValuePoint Logo Agreement (PDF - 510 KB)
- Amendment 1 to NVP Master Agreement (PDF - 852 KB)

Participating Addendum

- Alaska - AK #2020-DATACOMM-0001
- Arkansas - #4600048977; SP-20-0051
- California - # 7-20-70-47-01
- Colorado #172938
- Connecticut #SO-21081
- Delaware #GSS20579-DATACOMM
- District of Columbia #CW77668
- Florida #43220000-NASPO-19-ACS
- Hawaii #20-11
- Idaho #PADD20210672
- Iowa #21294
- Kansas #00000000000000000000047258
- Kentucky #MA 758 2100000767
- Louisiana #AR3227
- Missouri #AR3227-MO
- Michigan #210000001333
- Montana #NVP-AR3227
- Nebraska #15403 OC
- Nevada #99SWC-NV20-4447
- New Hampshire #3
- New Jersey #21-TELE-01506
- New Mexico #00-00000-20-00104AB
- Oklahoma
- Oregon #1605
- Rhode Island
- South Dakota #17371
- Tennessee #65778
- Utah #AR3227

By continuing to use our website, you acknowledge the use of cookies.
Privacy Statement > Change Settings >

City Council/Financing Authority Meeting **I. 6.**

DATE: 09/20/2022

TO: Honorable Mayor and City Council Members

SUBJECT: Approve the revised At-Grade Crossing Maintenance Agreement with the Southern California Regional Rail Authority (Municipal Utilities and Engineering Director Harris)

MOTION(S):

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

I move City Council approve a revised At-Grade Crossing Maintenance Agreement with the Southern California Regional Rail Authority

RECOMMENDATION:

Staff recommends City Council approve a revised At-Grade Crossing Maintenance Agreement with the Southern California Regional Rail Authority.

DISCUSSION:

On February 3, 2015, City Council approved a Memorandum of Understanding (MOU) with the San Bernardino County Transportation Authority (SBCTA) to define the Redlands Passenger Rail Project (RPRP) engineering, construction, and maintenance roles and responsibilities of each party. Generally, SBCTA assumed responsibility for constructing all RPRP elements, and the City agreed to provide project support and funding for project enhancements. City Council approved MOU Amendment No. 1 on June 7, 2016, to include project enhancements for the Downtown Redlands Station. On February 20, 2018, City Council approved MOU Amendment No. 2 to include planning and engineering for additional project enhancements.

RPRP construction began in 2018, and is substantially complete. It is anticipated that passenger service will begin in the fall. Recently, SBCTA, Southern

California Regional Rail Authority (SCRRA), and City staff developed a Maintenance Agreement for Redlands Passenger Rail Project ("Arrow" Service) At-Grade Crossings Agreement to define the roles of each party related to ongoing maintenance of public streets and rails within the SBCTA right-of-way at each rail crossing. Generally, the City's maintenance obligation is limited to the following:

- Railroad Crossing Warning Signals - 50% Cost-Share;
- Street Improvements - 100% of the cost to maintain and repair pavement, street lighting, sidewalks, curb and gutters, raised medians, delineators, pavement striping and markings, raised pavement markers, and signage;
- Weed Control - 100% of the cost to control or remove weeds or vegetation within public street easements;
- Quiet Zones - Equal cost-share with all parties to maintain Quiet Zone status at each crossing location.

The limits of these maintenance obligations begin two feet (2') beyond the outside rails at each crossing location, the cost of which is included in the Municipal Utilities and Engineering Department Streets and Inspections Division operating budget each year. City Council approved this Agreement on July 19, 2022. Soon after, SCRRA identified the following three (3) necessary revisions:

1. Update Mile Posts;
2. Update Right-of-Way Coordinator Contact Information;
3. Update Exhibit D-3 Link

SCRRA identified these issues prior to executing the original Agreement. Since the original Agreement was not formally executed by both Parties, staff recommends City Council approve a revised Agreement rather than an Amendment to the original Agreement.

ALTERNATIVES:

City Council may deny the staff recommendation, although the City agreed to maintain these at-grade crossings with approval of the original MOU.

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

Discussion:

There is no fiscal impact associated with this action.

Attachments

Revised RPRP At-Grade Crossing Maintenance Agreement

MAINTENANCE AGREEMENT

for

REDLANDS PASSENGER RAIL PROJECT

("ARROW" SERVICE) AT-GRADE CROSSINGS

BETWEEN

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY

AND THE

CITY OF REDLANDS

COVERING THE

MAINTENANCE

OF ALL

At-Grade Crossings within

SCRRA MILE POST 61.87 to 66.48 - SAN GABRIEL SUBDIVISION

IN

CITY OF REDLANDS,

CALIFORNIA

Maintenance Agreement

for

All At-Grade Crossings within

SCRRA MILE POST 61.87 to 66.48 - SAN GABRIEL SUBDIVISION

CITY OF REDLANDS,

SAN BERNARDINO COUNTY,

CALIFORNIA

THIS Maintenance Agreement ("AGREEMENT") is made and entered into as of the _____ day of _____, 2022, by and between the **SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY**, a joint powers authority existing under the laws of the State of California (hereinafter referred to as "SCRRA"), to be addressed at 900 Wilshire Blvd, Suite 1500, Los Angeles, CA 90017 and the **CITY OF REDLANDS**, a general law city and a municipal corporation duly organized and existing under the laws of the State of California (hereinafter referred to as "CITY"), to be addressed at 35 Cajon Street, Suite 15-A, Redlands, CA 92373. SCRRA and the CITY may be referred to singly as "PARTY" and collectively as "PARTIES."

RECITALS:

SCRRA is a five-county joint powers authority, created pursuant to California Public Utilities Code Section 130255 and California Government Code Section 6500 et seq., to build, maintain, administer, and operate the "METROLINK" commuter train system on railroad rights-of-way owned by the member agencies and through other shared use and joint operation agreements. The five-county member agencies are comprised of the following: Los Angeles County Metropolitan Transportation Authority ("METRO"), Ventura County Transportation Commission ("VCTC"), Orange County Transportation Authority ("OCTA"), San Bernardino County Transportation Authority ("SBCTA"), and Riverside County Transportation Commission ("RCTC").

The CITY OF REDLANDS, a general law city and municipal corporation organized and existing under the laws of the State of California, hereinafter referred to as "CITY";

SCRRA controls, administers, operates, and maintains the railroad track, structures, signals, communication systems, and appurtenances on the rail line known as the San Gabriel Subdivision in the area covered by multiple Multiple At-Grade Crossings. SCRRA and the "Operating Railroads" [as used herein "Operating Railroads" means any passenger or freight-related railroad company(s) operating on SCRRA track(s), including the National Railroad Passenger Corporation (AMTRAK), and the Burlington Northern and Santa Fe Railway Company (BNSF)] operate trains and rail equipment through multiple at-grade highway railroad crossing locations on right-of-way owned by the SBCTA, in accordance with the Shared Use Agreement dated October 30, 1992, and the Agreement between SCRRA, its Member Agencies, and the National Railroad Passenger Corporation (Amtrak) and known as the "Intercity Agreement".

Presently, the CITY occupies the railroad right-of-way for multiple at-grade highway railroad crossings that carry vehicular traffic across the following:

Crossing Name	**Mile Post**	**CPUC #**	**DOT #**
Mountain View Avenue	61.87	101SG-61.87	027228D
California St.	63.02	101 SG-63.02	027231L
Nevada St.	63.51	101 SG-63.51	027232T
Alabama St.	64.03	101 SG-64.03	027233A
W. Colton Ave.	64.21	101 SG-64.21	027234G

Crossing Name	Mile Post	CPUC #	DOT #
Tennessee St.	64.56	101 SG-64.56	027235N
Redlands - Esri Ped	64.82	101 SG-64.82-D	027237C
Texas St.	65.07	101 SG-65.07	027239R
N. Eureka St.	65.36	101 SG-65.36	027240K
Redlands - Downtown Ped	65.46	101SG-65.46-D	933892D
Orange St.	65.58	101 SG-65.58	027242Y
6th St.	65.71	101 SG-65.71	027245U
7th St.	65.77	101 SG-65.77	027246B
Church St.	66.08	101 SG-66.08	027248P
N. University St.	66.48	101 SG-66.48	027250R

SCRRA and the CITY desire to cooperate and maintain the at-grade highway railroad CROSSINGS listed herein with the least amount of disruption to vehicle and rail traffic.

As part of the SBCTA led Redlands Passenger Rail Project (RPRP), all the aforementioned CROSSINGS have been improved to current California Public Utilities Commission (CPUC) and SCRRA Standards for Quiet Zone Implementation. The CITY has petitioned for a Quiet Zone within their jurisdictional boundaries pursuant to Federal Railroad Administration (FRA) Regulation Title 49 Part 222 of the Code of Federal Regulations (49 CFR Part 222) requirements and SCRRA's Design Criteria Manual – Section 25 Quiet Zone Implementation, **Exhibit D-5**. The Notice of Intent to Create a New Quiet Zone for these crossings was issued by the City on August 24th, 2020 (**Exhibit C-1**). At a future date the PARTIES agree that the AGREEMENT will be amended to include the Notice of New Quiet Zone Establishment.

The general arrangement, and location of the at-grade highway railroad crossings proposed are shown on the location print marked as **Exhibit B-1**. The detailed plans of the at-grade-highway railroad crossings currently being reconstructed under SBCTA's Redlands Passenger Rail Project are included in this AGREEMENT under **Exhibit B-2.**

SCRRA and the CITY are entering into this AGREEMENT to establish the maintenance responsibilities at the CROSSINGS described above, and as contained in the Exhibits attached to and made a part of this AGREEMENT.

AGREEMENT

NOW, THEREFORE, it is mutually agreed by and between the PARTIES hereto as follows:

ARTICLE 1 - LIST OF EXHIBITS

The exhibits below are attached to and made a part of this AGREEMENT as if set forth in their entirety:

Exhibit A	Standard Terms and Conditions
Exhibit B-1	Crossing Location Print
Exhibit B-2	Crossing Plans
Exhibit C-1	Quiet Zone Notice of Intent
Exhibit D-1	SCRRA Form 6 - Right-of-Entry Agreement & SCRRA Insurance Requirements
Exhibit D-2	SCRRA Form 37 - Rules and Requirements for Construction on Railway Property
Exhibit D-3	SCRRA General Safety Regulation for Third Party Construction and Utility Workers on SCRRA Property
Exhibit D-4	SCRRA Highway - Rail Grade Crossing Manual
Exhibit D-5	SCRRA Design Criteria Manual - Section 25 Quiet Zone Implementation

ARTICLE 2 - EFFECTIVE DATE AND TERMINATION

2.1 This AGREEMENT shall become effective when signed by both PARTIES and shall continue in full force and effect for as long as the at-grade highway railroad crossing area exists. The effective date of this AGREEMENT will be the date signed by the last signatory.

ARTICLE 3 - MAINTENANCE BY SCRRA

3.1 Pursuant to California Public Utilities Commission (CPUC) General Order 72-B, SCRRA shall maintain, at its expense, the area between lines two (2) feet outside the rails of each track and between the tracks where the distance between the center lines of tracks is fifteen (15) feet or less measured at the center line of the highway, normal to the tracks.

3.2 SCRRA shall maintain the railroad crossing automatic warning equipment for the crossing

to ensure that they are kept in working order. The maintenance cost for the automatic railroad warning devices shall be shared by the CITY and SCRRA as described in Article 4.

ARTICLE 4 - MAINTENANCE COST SHARING OF AUTOMATIC RAILROAD WARNING DEVICES

4.1 CITY shall share equally with SCRRA the maintenance cost of the railroad crossing warning signals and signal controls in accordance with California Public Utilities Code (CPU Code) §1202.2, except that CITY's liability thereof shall be limited to such funds as may be set aside for allocation through the CPUC, pursuant to CPU Code §1231.1. SCRRA shall submit annual invoices to the CPUC for CITY's share of the maintenance costs of the railroad crossing warning signals and signal controls. This results in no direct cost to the CITY for the maintenance of the automatic warning devices.

ARTICLE 5 - MAINTENANCE BY CITY

5.1 CITY shall maintain, repair and renew the at-grade highway railroad crossing area within their respective boundaries starting at two (2) feet outside of the rails of each track. When two or more tracks are involved, SCRRA shall maintain the area between the tracks as described in Section 3.1. CITY shall maintain and repair, at CITY's expense, any street improvements, including street lighting, sidewalks, curb and gutters, raised medians, channelizers/delineators, pavement striping and markings (traffic and pedestrian), raised pavement markers, and signage within or on the approaches to the crossing area. This work shall be done pursuant to CPUC General Order 72-B.

5.2 CITY shall control or remove, at CITY's expense, weeds or vegetation located within the CITY crossing easement or within public street right of way on or about the crossing so that it does not become a fire hazard; obstruct visibility of railroad signs and signals along the right-of-way and at highway-rail crossings; obstruct visibility of trains or rail equipment; interfere with railroad employees performing normal trackside duties; prevent proper functioning of signal and communication lines or impede railroad employees visually inspecting moving equipment. If CITY will not lawfully perform the control or removal work, CITY shall reimburse SCRRA for the cost of performing such control or removal.

5.3 CITY and/or its contractor(s) shall obtain a Right of Entry Permit from SCRRA, as detailed in Article 6, prior to performing any maintenance of a roadway, sidewalk or median islands, if that maintenance activity is to occur within the railroad right-of-way.

5.4 CITY shall incorporate the requirements of **Exhibit D-1**, through and including, **Exhibit D-4** into each prime contract for maintenance through and adjacent to the crossing area. CITY shall exercise its authority as a party to any contract for maintenance into which it enters to ensure its contractor(s) conforms with the requirements listed in **Exhibit D-1**, through and including **Exhibit D-4**, and to ensure that operations, right-of-way, property, or other facilities of SCRRA or the operations, property or facilities of others occupying or using the railroad right-of-way, are protected at all times. All work done by CITY, or its contractor(s), on the railroad right-of-way shall be done in a manner satisfactory to SCRRA.

5.5 CITY shall provide assistance, at CITY's expense, in support of SCRRA annual testing of railroad / traffic signal preemption equipment and facilities in accordance with FRA Regulation Title 49 Part 234 Subpart D of the Code of Federal Regulation (49 CFR Part 234). CITY shall provide qualified personnel to assist with testing of those traffic signal interconnect features outside of the Railroad right of way at a date and time acceptable to both parties.

5.6 CITY shall participate, at CITY's expense, with SCRRA, CPUC, and other affected parties to conduct a periodic review of the Crossings, where a Quiet Zone has been implemented, to evaluate the Crossings and affirm that the Crossings continue to conform to the requirements of FRA 49 CFR Part 222, as required by § 222.47, and SCRRA's Quiet Zone Implementation Guidelines and Procedures. Periodic review of the Crossings between four and one half (4 and 1/2) to five (5) years after the last affirmation. CITY will be responsible to affirm in writing to the FRA to maintain the quiet zone status of the Crossings based on the findings of the periodic review. Should any additional improvements be required in order to maintain the quiet zone status of the Crossings, then any cost of said improvements of the Crossings shall be borne by the CITY.

ARTICLE 6 - CONTRACTOR'S RIGHT OF ENTRY PERMIT AND INSURANCE

6.1 Entry onto the railroad right-of-way by the CITY or its contractors shall at all times be subject to the current (at time of entry) requirements for entering the railroad right-of-way and the SCRRA procedures and requirements for securing railway flagging or other protective services.

6.2 If the CITY retains a Contractor(s) to perform any work within the crossing area or on any other portion of the railroad right-of-way (including any future improvement or maintenance and repair work), the CITY shall require the Contractor(s) to:

a) Execute SCRRA "Form 6 – Right of Entry Agreement" or similar form of agreement as adopted by SCRRA at the time that any future work is performed without modification. A copy of SCRRA's Form 6, as currently adopted by SCRRA, is included with this AGREEMENT as **Exhibit D-1.**

b) Furnish and provide the bonds, insurance policies, certificates, binders, endorsements or combinations thereof in accordance with the insurance requirements accompanying SCRRA "Form 6 – Right of Entry Agreement" and as described in **Exhibit D-1**.

6.3 The CITY shall not allow any contractor or contractors to commence any work in the crossing area or on any other portion of the railroad right-of-way until the contractor(s) have provided the required insurance and the right-of-entry is approved and signed by SCRRA.

6.4 All insurance correspondence, binders, policies, certificates and/or endorsements shall be sent to:

Right-of-Way Encroachments Coordinator
SCRRA - Pomona Office
2700 Melbourne Ave
Pomona, CA 91767
Email: RightofEntry@scrra.net

6.5 The CITY may self-insure any portion of the insurance coverage for work performed by the employees of the CITY unless and until SCRRA provides written notice to CITY based on

either an unacceptable material adverse change in the assets available to CITY to satisfy self-insured claims or the CITY's unacceptable performance in the administration of prior claims under this AGREEMENT.

6.6 Under no circumstances will personnel, equipment, or material of a contractor or the CITY be allowed on the railroad right-of-way without providing the insurance required by this article and arranging for flagging or other protective services.

ARTICLE 7 - FUTURE CROSSING MODIFICATION

7.1 If in the future, CITY elects to modify the existing crossing(s) by widening or replacement of crossing surface(s), then any SCRRA costs of reasonably necessary modifications caused by CITY's modifications to the crossing, including material and/or repair or rehabilitation of the railroad tracks shall be borne by the CITY.

7.2 If in the future, CITY elects or is required by competent authority to raise or lower the grade of all or any portion of the street or highway located on the crossing area that requires the track(s) to be modified, the cost of the design and construction and all associated cost to modify the tracks shall be borne by the CITY if the modification is elected by the CITY or by the competent authority if the competent authority is requiring the modifications to the roadway.

7.3 The estimated costs for any future work to be performed by SCRRA will be quantified and included in an amendment to this AGREEMENT.

7.4 CITY shall incorporate the requirements of **Exhibit D-1**, through and including, **Exhibit D-4** into each prime contract for construction through and adjacent to the crossing area. CITY shall exercise its authority as a party to any contract for construction into which it enters to ensure its contractor(s) conforms with the requirements listed in **Exhibit D-1**, through and including **Exhibit D-4**, and to ensure that operations, right-of-way, property, or other facilities of SCRRA or the operations, property or facilities of others occupying or using the railroad right-of-way, are protected at all times. All work done by CITY, or its contractor(s), on the railroad right-of-way shall be done in a manner satisfactory to SCRRA.

ARTICLE 8 - INDEMNIFICATION

8.1 Neither SCRRA, nor the Operating Railroads, nor any of SCRRA's board members, member agencies, officers, agents, volunteers, contractor(s), or employees shall be responsible for any damage or liability occurring by reason of any acts or omissions on the part of the CITY under or in connection with any aspect of the CITY's maintenance work, authority, or obligation agreed to by the CITY under this AGREEMENT. The CITY shall indemnify, defend and hold harmless SCRRA, any Operating Railroads, as identified by SCRRA, as well as their respective board members, member agencies, officers, agents, volunteers, contractor(s,) and employees ("SCRRA Indemnitees") from any and all liability, loss, expense (including reasonable attorneys' fees and other defense costs), demands, suits, liens, damages, costs, claims, including but not limited to, claims for bodily injury, death, personal injury, or property damage, that are incurred by or asserted against the SCRRA Indemnitees arising out of or connected with any negligent acts or omissions on the part of the CITY, its council, officers, agents, contractor(s), or employees under or in connection with any aspect of the CITY's maintenance work, authority, or obligation agreed to by the CITY under this AGREEMENT. This indemnity shall survive the termination of this AGREEMENT.

8.2 Neither the CITY, nor its council, officers, agents, contractor(s), or employees shall be responsible for any damage or liability occurring by reason of any acts or omissions on the part of SCRRA under or in connection with any SCRRA maintenance work, authority, or obligation agreed to by SCRRA under this AGREEMENT. SCRRA shall indemnify, defend and hold harmless the CITY, as well as their respective council, officers, agents, contractor(s), and employees ("CITY Indemnitees") from any and all liability, loss, expense (including reasonable attorneys' fees and other defense costs), demands, suits, liens, damages, costs, claims, including but not limited to, claims for bodily injury, death, personal injury, or property damage, that are incurred by or asserted against the CITY Indemnitees arising out of or connected with any negligent acts or omissions on the part of SCRRA, its board members, officers, agents, volunteers, contractor(s) or employees under or in connection with any aspect of any SCRRA Maintenance work, authority, or obligation agreed to by SCRRA under this AGREEMENT. This indemnity shall survive the termination of this AGREEMENT.

8.3 In contemplation of the provisions of Government Code §895.2 imposing certain tort liability jointly upon public entities solely by reason of such entities being PARTIES to an agreement, as defined in Government Code §895, each of the PARTIES hereto, pursuant to the authorization contained in Government Code §895.4 and §895.6, will assume the full liability imposed upon it or any of its officers, agents or employees by law for injury caused by any negligent or wrongful act or omission occurring in the performance of this AGREEMENT to the same extent that such liability would be imposed in the absence of §895.2 of such code. To achieve this purpose, each other agrees to indemnify and hold harmless each other for any cost or expense that may be imposed upon each other solely by virtue of said §895.2. The provisions of Civil Code §2778 are made a part hereof as if incorporated herein.

ARTICLE 9 - GENERAL PROVISIONS

9.1 This AGREEMENT shall continue in force and effect unless otherwise provided herein, until mutual termination by the PARTIES or the elimination or removal of this at-grade highway railroad crossing, whichever occurs first. The covenants and provisions of this AGREEMENT shall be binding upon and inure to the benefit of the successors and assigns of the CITY and SCRRA.

9.2 This AGREEMENT may be modified or amended only in writing. All modifications, amendments, changes and revisions of this AGREEMENT, in whole or part and from time to time, shall be binding upon the PARTIES, so long as the same shall be in writing and executed by the CITY and SCRRA.

9.3 This AGREEMENT and the exhibits attached hereto contain the entire understanding between the PARTIES and supersede any prior written or oral understanding and AGREEMENT between them regarding the subject matter of this AGREEMENT. There are no representations, agreements, arrangements or understandings, oral or written, between the PARTIES relating to the subject matter of this AGREEMENT, which are not fully expressed herein.

9.4 The execution and delivery of this AGREEMENT by each PARTY and the consummation of the transactions contemplated hereby are within the power of each PARTY and have been duly authorized by all necessary actions of each respective PARTY.

9.5 In the event any part of this AGREEMENT is declared by a court of competent jurisdiction to be invalid, void or unenforceable, such part shall be deemed severed from the remainder of this AGREEMENT and the balance of this AGREEMENT shall remain in effect.

9.6 This AGREEMENT shall be construed and interpreted under the laws of the State of California.

9.7 The article and section headings in this AGREEMENT are for convenience only and shall not be used in its interpretation or considered part of this AGREEMENT.

9.8 Any notice sent by first class mail, postage paid, to the address and addressee, shall be deemed to have been given when in the ordinary course it would be delivered. The representatives of the PARTIES who are primarily responsible for the administration of this AGREEMENT, and to whom notices, demands and communications shall be given, are as follows:

To CITY:	To SCRRA:
John Harris Director, Municipal Utilities & Engineering	Justin Fornelli, P.E. Chief, Program Delivery
City of Redlands	Southern California Regional Rail Authority
35 Cajon Street, Suite 15-A	2558 Supply Street, Building A
Redlands, CA 92373	Pomona, CA 91767
E-mail: jharris@cityofredlands.org Telephone: 909-798-7658	E-mail: fornellij@scrra.net Telephone: (909) 593-4291

9.9 This AGREEMENT may be executed in counterparts, each of which is an original, but all of which constitutes one and the same document. The PARTIES shall sign a sufficient number of counterparts, so that each PARTY will receive a fully executed original of this AGREEMENT.

IN WITNESS WHEREOF, the PARTIES have caused this AGREEMENT to be duly executed in by their duly qualified and authorized officials.

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY

By: _____
Darren M. Kettle
Chief Executive Officer

Date: _____

APPROVED AS TO FORM:

By: _____
Don O. Del Rio
General Counsel

Date: _____

CITY OF REDLANDS

By: _____
Paul T. Barich
Mayor

Date: _____

APPROVED AS TO FORM:

By: _____
Yvette M. Abich Garcia
City Attorney

Date: _____

EXHIBIT A

Maintenance Agreement

for All At-Grade Crossings within MP 61.87 to 66.48

of the San Gabriel Subdivision

Standard Terms and Conditions

EXHIBIT A

To Maintenance Agreement for all At-Grade Crossings within MP 61.87 to 66.48 of the San Gabriel Subdivision

TERMS AND CONDITIONS

SECTION 1 - CONDITIONS AND COVENANTS

a) SCRRA makes no covenant or warranty of title for quiet possession or against encumbrances. Any lines constructed on the railroad right-of-way by or under authority of the City of Redlands for the purpose of conveying electric power or communications incidental to the City of Redlands's use of the right-of-way for highway purposes shall be constructed in accordance with specifications and requirements of SCRRA, and in such manner as not adversely to affect communication or signal lines of SCRRA or its licensees now or hereafter located upon said right-of-way. No non-party shall be admitted by the City of Redlands to use or occupy any part of the railroad right-of-way without SCRRA's written consent. Nothing herein shall obligate SCRRA to give such consent.

b) The right hereby granted is subject to any existing encumbrances and rights (whether public or private), recorded or not, and also to any renewals thereof. The City of Redlands shall not damage, destroy or interfere with the right-of-way or rights of nonparties in, upon or relating to the railroad right-of-way, unless the City of Redlands at its own expense settles with and obtains releases from such nonparties.

c) SCRRA and its member agencies reserve the right to use and to grant to others the right to use the Crossing for any purpose not inconsistent with the right hereby granted, including, but not by way of limitation, the right to construct, reconstruct, maintain, operate, repair, alter, renew and replace tracks, facilities and appurtenances on the right-of-way; also the right to cross the Crossing with all kinds of equipment. SCRRA further reserves the right to attach signal, communication or power lines to any highway facilities located upon the right-of-way, provided that such attachments shall comply with City of Redlands 's specifications and will not interfere with the use of the Crossing.

d) So far as it lawfully may do so, the City of Redlands will assume, bear and pay all taxes and assessments of whatsoever nature or kind (whether general, local or special) levied or assessed upon or against the Crossing, excepting taxes levied upon and against the right-of-way as a component part of SCRRA's operating right-of-way.

SECTION 2 - WORK

a) All work contemplated in this AGREEMENT must be performed in a good and workmanlike manner and each portion must be promptly commenced by the PARTY obligated by this AGREEMENT to perform the work. All work must be diligently prosecuted to conclusion in its logical order and sequence. All changes or modifications proposed which affect SCRRA or the interests of SCRRA will be subject to SCRRA's approval prior to the commencement of work on all such changes or

modifications.

b) For public infrastructure and facilities owned and maintained by the City of Redlands, at its expense, will apply for and obtain all public authority required by law, ordinance, rule or regulation for the work, and will furnish to SCRRA upon request with satisfactory evidence that such authority has been obtained. The City of Redlands shall act as the lead agency on all planning, zoning, environmental approval and permitting activities required by State or Federal law and shall obtain and pay for all other permits and licenses required by law or regulation for the work.

c) All work of the City of Redlands upon the railroad right-of-way shall be performed and completed in a manner satisfactory of SCRRA's Minimum Requirements set forth in **Exhibit D-1, D-2, D-3, D-4, D-5,** and other guidelines or standards furnished by SCRRA.

d) SCRRA will have the right to stop work if any of the following events take place:

i) City of Redlands (or any of its Contractor(s)) performs the work in a manner contrary to the plans and specifications approved by SCRRA on the Right-of-Entry Permit;

ii) City of Redlands (or any of its Contractor(s)), in SCRRA's opinion, prosecutes the work in a manner which is hazardous to the railroad right-of-way, facilities or the safe and expeditious movement of railroad traffic;

iii) the insurance required by the AGREEMENT is canceled during the course of the work or does not meet the minimum requirements specified herein.

e) The work stoppage may continue until all necessary actions are taken by City of Redlands or its Contractor(s) to rectify the conditions to the satisfaction of SCRRA or until additional insurance has been delivered to and accepted by SCRRA, or the obligations are brought current.

SECTION 3 - INJURY AND DAMAGE TO PROPERTY

If the City of Redlands, in the performance of any work contemplated by this AGREEMENT or by the failure to do or perform anything for which the City of Redlands is responsible under the provisions of this AGREEMENT, shall injure, damage or destroy any property of the railroad or of any other person lawfully occupying or using the right-of-way of the railroad, such property shall be replaced or repaired by the City of Redlands at the City of Redlands 's own expense, or by SCRRA at the expense of the City of Redlands, and to the satisfaction of SCRRA.

SECTION 4 - SAFETY MEASURES; PROTECTION OF SCRRA OPERATIONS

It is understood and recognized that safety and continuity of SCRRA's operations and communications are of the utmost importance; and in order that the same may be adequately safeguarded, protected and assured, and in order that accidents and/or incidents may be prevented and avoided, it is agreed with respect to all of said work of the City of Redlands that the work will be performed in a safe manner and in conformity with the following standards:

a) **City of Redlands and Contractor**. All references in this AGREEMENT shall also include the Contractor(s), its subcontractors of any tier, and their respective officers, agents and employees, and others acting under its or their authority; and all references in this AGREEMENT to work of the City of Redlands shall include work within the railroad right-of-way, as well as work outside and adjacent to the railroad right-of-way, such as temporary traffic control, that has the potential to impact the railroad right-of-way..

b) **Compliance with Laws**. The City of Redlands shall comply with all applicable federal, state and local laws, regulations and enactments affecting the work. The City of Redlands shall use only such methods as are consistent with safety, both as concerns the City of Redlands, the City of Redlands' agents and employees, the officers, agents, employees and property of SCRRA and the public in general. The City of Redlands (without limiting the generality of the foregoing) shall comply with all applicable state and federal occupational safety and health acts, labor laws, laws governing trade, travel and use of material, and similar laws or regulations. All Federal Railroad Administration regulations shall be followed when work is performed on the railroad right-of-way. If any failure by the City of Redlands to comply with any such laws, regulations, and enactments, shall result in any fine, penalty, cost or charge being assessed, imposed or charged against SCRRA, the City of Redlands shall reimburse and indemnify SCRRA for any such fine, penalty, cost, or charge, including without limitation attorney's fees, court costs and expenses. The City of Redlands further agrees in the event of any such action, upon notice thereof being provided by SCRRA, to defend such action free of cost, charge, or expense to SCRRA.

c) **No Interference or Delays**. The City of Redlands shall not do, suffer or permit anything which will or may obstruct, endanger, interfere with, hinder or delay maintenance or operation of SCRRA's tracks or facilities, or any communication or signal lines, PTC system and critical features, installations or any appurtenances thereof, or the operations of others lawfully occupying or using the railroad right-of-way or facilities.

d) **Supervision**. The City of Redlands, at its own expense, shall adequately supervise and inspect all work to be performed by the City of Redlands' Contractor, and shall not inflict injury to persons or damage to property for the safety of whom or of which SCRRA may be responsible, or to property of SCRRA. The responsibility of the City of Redlands for safe conduct and adequate policing and supervision of the work shall not be lessened or otherwise affected by SCRRA's approval of plans and specifications, or by SCRRA's collaboration in performance of any work, or by the presence at the work site of SCRRA's representatives, or by compliance by the City of Redlands with any requests or recommendations made by such representatives. If a representative of SCRRA is assigned to the work, the City of Redlands will give due consideration to suggestions and recommendations made by such representative for the safety and protection of SCRRA's property, right-of-way, and operations.

e) **Suspension of Work**. If at any time the City of Redlands or SCRRA shall be of the opinion that any work of the City of Redlands is being or is about to be done or prosecuted without due regard and precaution for safety and security, the City of Redlands shall immediately suspend the work until suitable, adequate and proper protective measures are adopted and provided.

f) **Removal of Debris**. The City of Redlands shall not cause, suffer or permit material or debris to be deposited or cast upon, or to slide or fall upon any railroad right-of-way or facilities of SCRRA; and any such material and debris shall be promptly removed from the railroad right-of-way by the City of Redlands at the City of Redlands' own expense or by SCRRA at the expense of the City of Redlands. The City of Redlands shall not cause, suffer or permit any water to be drained or pumped onto the railroad right-of-way during any dewatering from the Crossing without the prior permission of SCRRA. This obligation is limited to debris deposited by City of Redlands maintenance personnel and/or its contractors, sub-contractors, and consultants.

g) **Explosives**. The City of Redlands shall not discharge any explosives on or in the vicinity of the railroad right-of-way without the prior consent of SCRRA, which will not be given if, in the sole discretion of SCRRA, such discharge would be dangerous or would interfere with the railroad right-of-way, property or facilities. For the purposes hereof, the "vicinity of the railroad right-of-way" shall be deemed to be any place on the railroad right-of-way or in such close proximity to the railroad right-of-way that the discharge of explosives could cause injury to SCRRA's employees or other persons, or cause damage to or interference with the facilities or operations on the railroad right-of-way. SCRRA reserves the right to impose such conditions, restrictions or limitations on the transportation, handling, storage, security and use of explosives as SCRRA, in SCRRA's sole discretion, may deem to be necessary, desirable or appropriate.

h) **Excavation**. The CITY shall not excavate from existing slopes nor construct new slopes which are excessive and may create hazards of slides or falling rock, or impair or endanger the clearance between existing or new slopes and the tracks of SCRRA. The City of Redlands shall not do or cause to be done any work which will or may disturb the stability of any area or adversely affect SCRRA's tracks or facilities. The City of Redlands, at its own expense, shall install and maintain adequate shoring and cribbing for all excavation and/or trenching performed by the City of Redlands in connection with maintenance or other work. Systems for the support of any excavation must conform to the requirements of SCRRA Excavation Support Guidelines and/or CalOSHA, whichever is more comprehensive. The shoring and cribbing shall be constructed and maintained with materials and in a manner approved by SCRRA to withstand all stresses likely to be encountered, including any stresses resulting from railroad surcharges or vibrations caused by SCRRA's operations in the vicinity.

i) **Falsework.** No falsework may be erected over the track or on the railroad right-of-way except as approved by SCRRA. All falsework must conform to the requirements of the Caltrans Falsework Manual for traffic openings and any additional provisions provided by SCRRA.

j) **Fiber Optic Cables.** Fiber optic and other cable systems may be buried on SCRRA's right-of-way. Protection of the fiber optic cable systems is of extreme importance since any break could disrupt service to users resulting in business interruption and loss of revenue and profits. The City of Redlands and its consultants and contractors shall telephone the Underground Service Alert of Southern California toll-free at (800) 227-2600 a minimum of two (2) workings days before performing any excavation for work within the railroad right-of-way.

k) **SCRRA Signal and Communication Facilities**. SCRRA is not a member of Underground Service Alert of Southern California. The City of Redlands, and its consultants and contractors, shall call SCRRA Signal Department at (909) 592-1346 to request marking of signal and communication cables or conduits or both a minimum of 72-hours prior to performing any excavation on the railroad right-of-way. No work may proceed until City of Redlands has been provided with an SCRRA dig number in addition to that provided by Underground Service Alert. In case of signal emergencies or grade crossing problems, the contractor shall call SCRRA's 24-hour signal emergency number at (888) 446-9721.

SECTION 5 - OTHER RAILROADS AND AGENCIES

All protective and indemnifying provisions of this AGREEMENT shall inure to the benefit of SCRRA and any other Operating Railroad company lawfully using the railroad right-of-way or facilities. On any certificate of insurance furnished pursuant to this AGREEMENT, SCRRA must be named as the Certificate holder or the insured. The following must be named as an additional insured:

Los Angeles County Metropolitan Transportation Authority (METRO)
Orange County Transportation Authority (OCTA)
Riverside County Transportation Commission (RCTC)
San Bernardino County Transportation Authority (SBCTA)
Ventura County Transportation Commission (VCTC)
Burlington Northern Santa Fe Corporation (BNSF)
National Railroad Passenger Corporation (Amtrak)
Union Pacific Railroad Company (UPRR)

SECTION 6 - REMEDIES FOR BREACH OR NONUSE

The City of Redlands will surrender peaceable possession of the Crossing upon termination of this AGREEMENT. Termination of this AGREEMENT shall not affect any rights, obligations or liabilities of the PARTIES, accrued or otherwise, which may have arisen prior to termination.

END EXHIBIT A

EXHIBIT B-1

To Maintenance Agreement

for

All At-Grade Crossings within MP 61.87 to 66.48 of the San Gabriel Subdivision

Crossing Location Print

EXHIBIT B-1

Crossing Location Print

Figure 1: Location Map

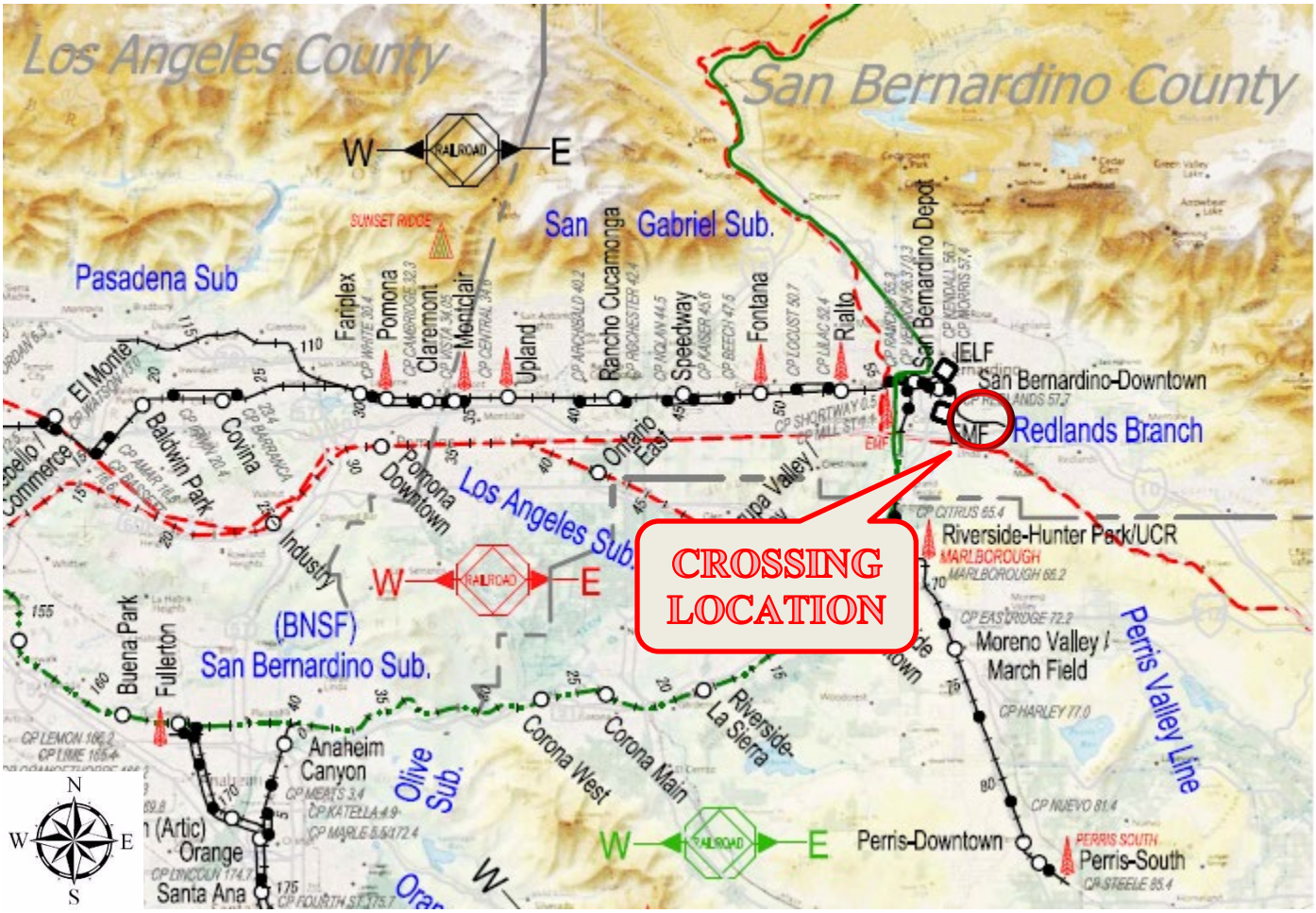


Figure 2: Vicinity Map

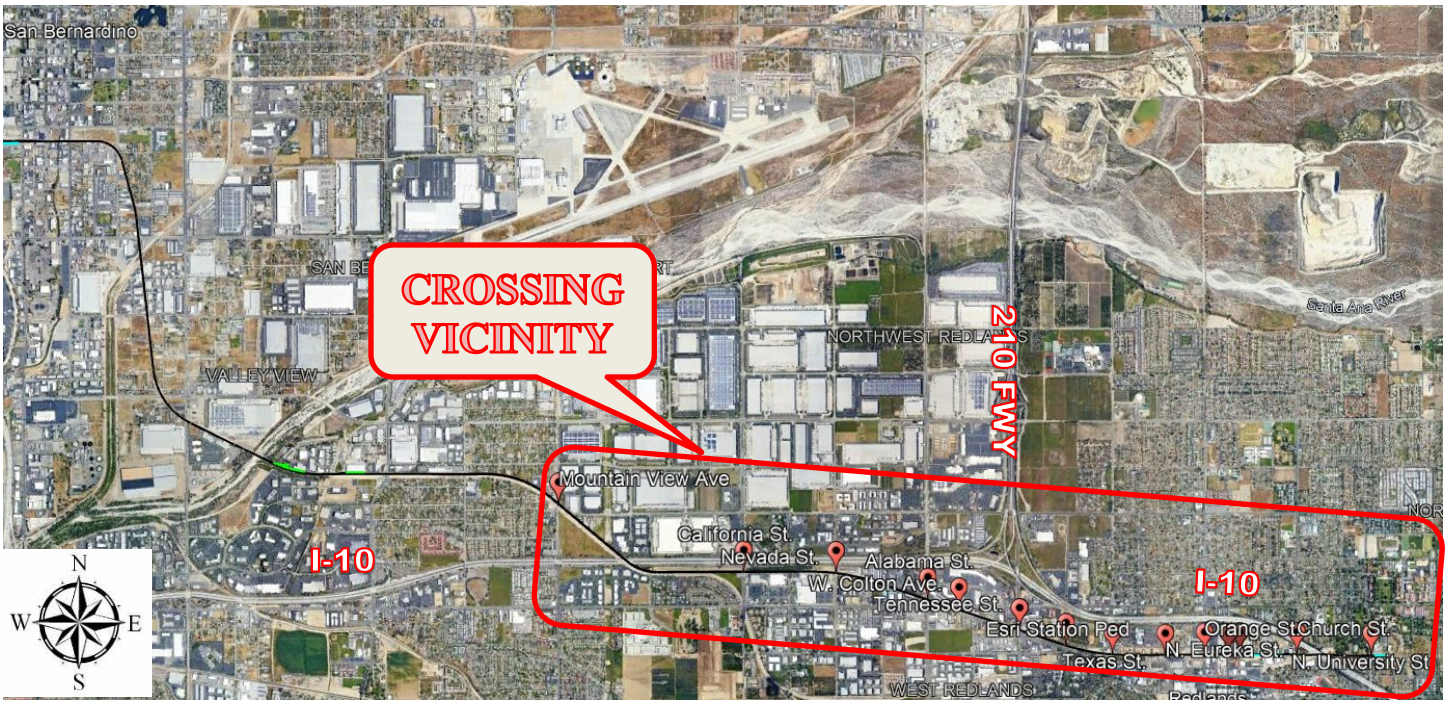


Figure 3: Site Map



Figure 4: Site Map



EXHIBIT B-2

To Maintenance Agreement

for

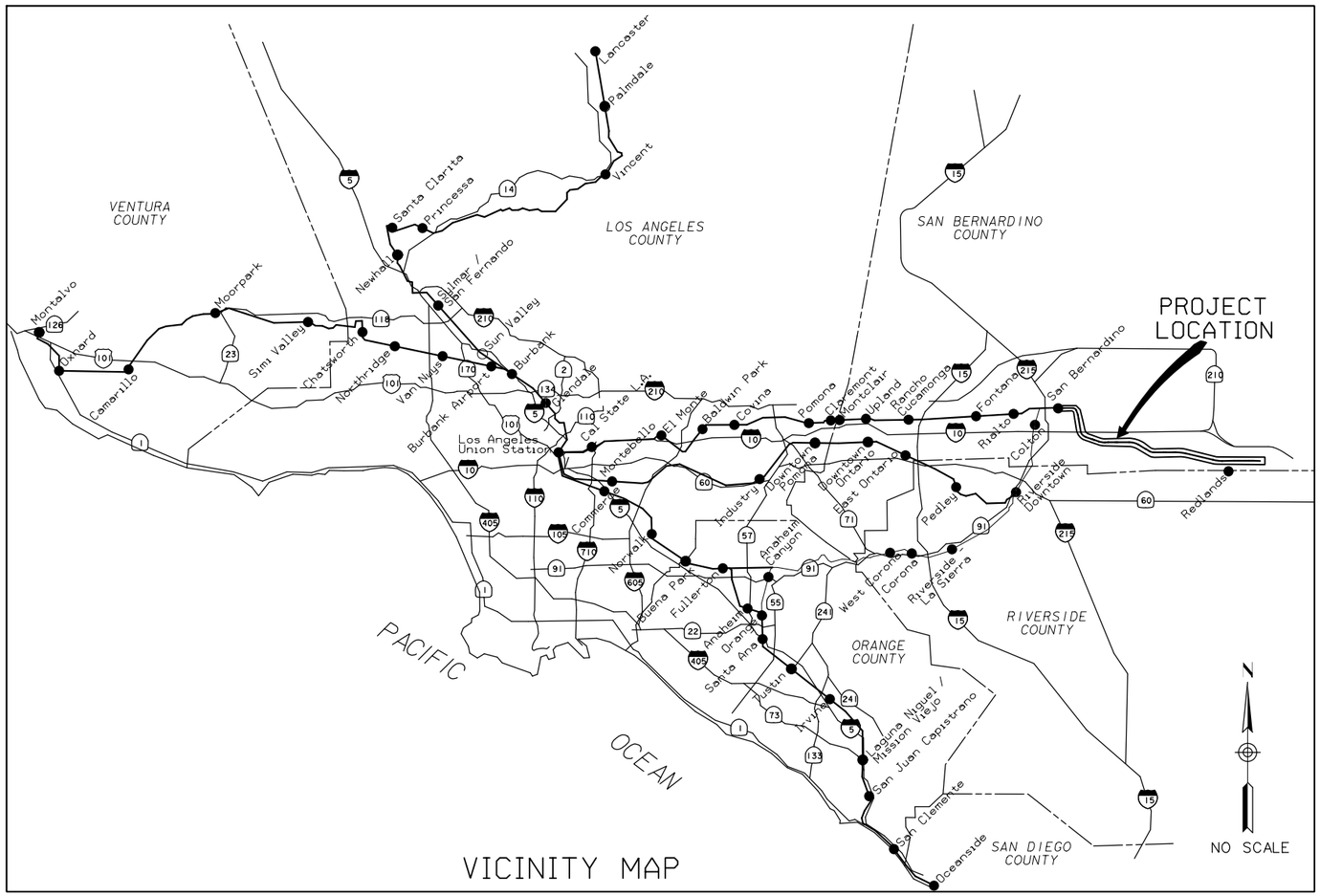
All At-Grade Crossings within MP 61.87 to 66.48 of the San Gabriel Subdivision

Crossing Plans

8/29/2018 9:06:14 PM MGRANADO
P:\\pwappsac01\California_Sacramento\Documents\351426\CON0102831\0000000002683391\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_02-Contract_Files-Bid_Addendum_01\Sheet Files - Mainline Post IFB\01a_GENERAL\26495-00-GI00000v1.dgn
P:\\pwappsac01\California_Sacramento\Documents\351426\CON0102831\0000000002683391\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_02-Contract_Files-Bid_Addendum_01_Pro\DRV\SANBAG_BW.tbl
P:\\pwworking\sac\d0761459\SANBAG-11x17bw_pdf.pltcfg

SAN BERNARDINO COUNTY TRANSPORTATION AUTHORITY

REDLANDS PASSENGER RAIL PROJECT



VICINITY MAP

VOLUME 1

ISSUED FOR BID

MAY 18, 2018

REGISTERED PROFESSIONAL ENGINEER
ROBERT KLOVSKY
No. C62996
Exp. 6/30/18
CIVIL
STATE OF CALIFORNIA

CONTRACT No. 17-1001705

APPROVED BY: _____ DATE: _____
CAROLYN SCHINDLER, P.E., SBCTA

SUBMITTED BY: R. Klovsky DATE: 5-18-2018
ROB KLOVSKY, PROJECT MANAGER

CONSTRUCTION NOTES:

(1) PROTECT IN PLACE

(3) SAWCUT EXISTING PAVEMENT

(4) COLD MILL 0.12' EXISTING PAVEMENT AND CONSTRUCT 0.12' ASPHALT CONCRETE OVERLAY

(16) CONSTRUCT 8" HIGH TYPE A2-8 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2

(21) CONSTRUCT 4" PCC SIDEWALK PER SPPWC STD PLAN NO. 112-2 AND 113-2, AND PER DETAIL A SHEET CR00006

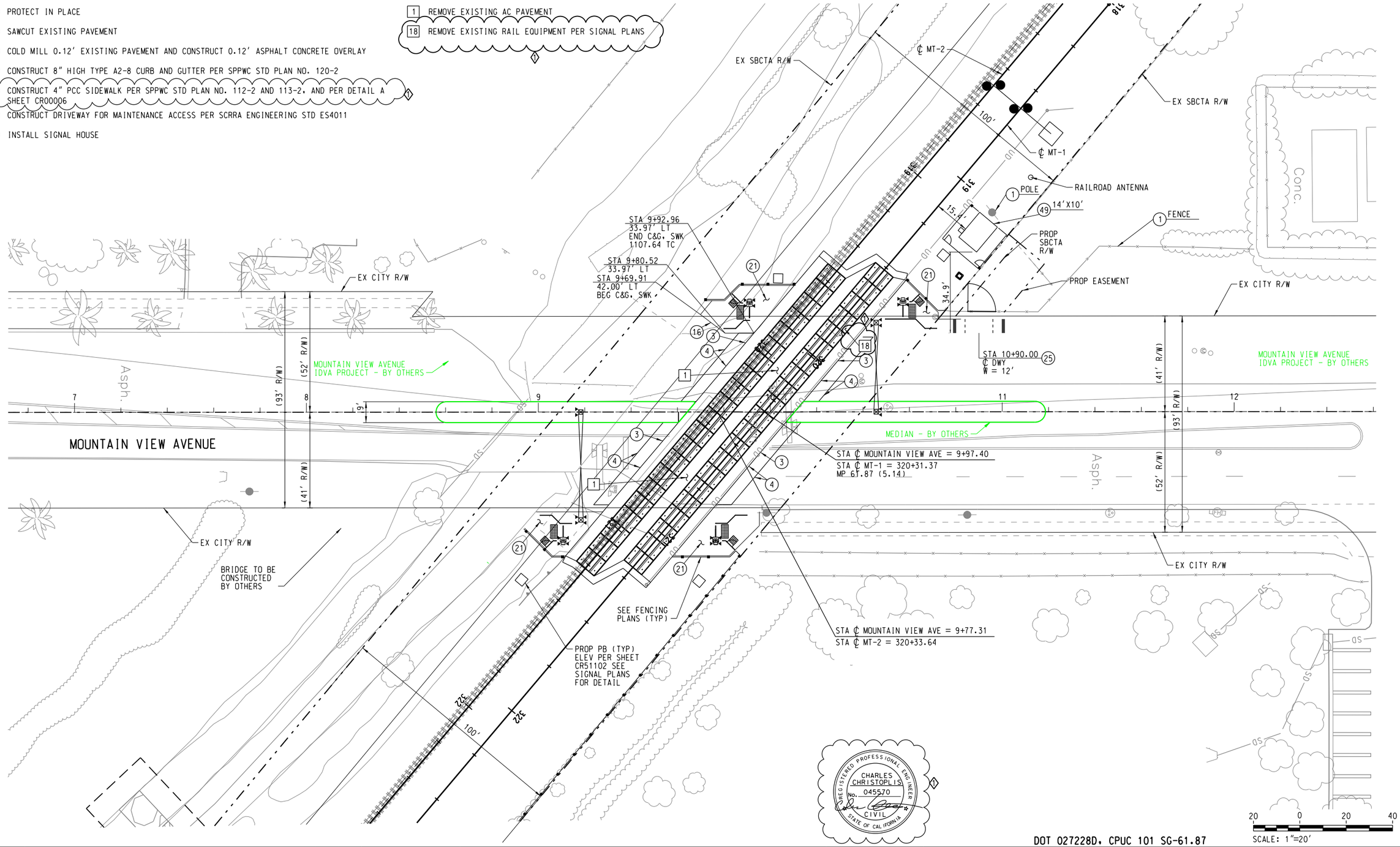
(25) CONSTRUCT DRIVEWAY FOR MAINTENANCE ACCESS PER SCRRA ENGINEERING STD ES4011

(49) INSTALL SIGNAL HOUSE

CONSTRUCTION REMOVAL NOTES:

[1] REMOVE EXISTING AC PAVEMENT

[18] REMOVE EXISTING RAIL EQUIPMENT PER SIGNAL PLANS



DOT 027228D, CPUC 101 SG-61.87

REGISTERED PROFESSIONAL ENGINEER
CHARLES CHRISTOPLIS
No. 045570
CIVIL
STATE OF CALIFORNIA

REV.	DATE		BY	SUB.	APP.
1	9-20-2022	Regular Meeting of	EA		CC

DESIGNED BY J. SONG
DRAWN BY J. KUO
CHECKED BY J. BROWN
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

REGISTERED PROFESSIONAL ENGINEER
JIANHENG SONG
No. 71849
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

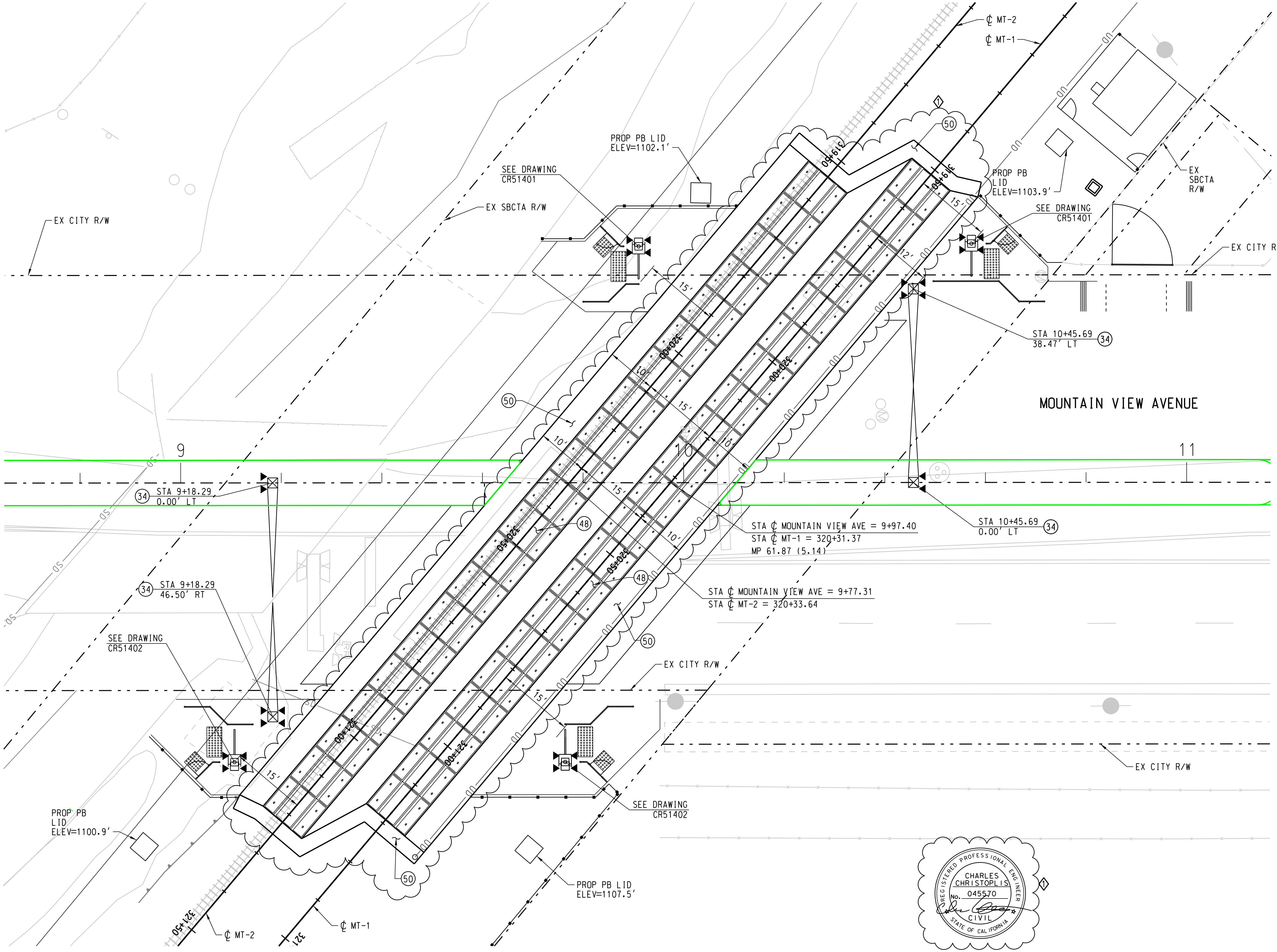
REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
MOUNTAIN VIEW AVENUE – MP 61.87 (5.14)
LAYOUT

CONTRACT NO. 17-1001705
DRAWING NO. CR51101
REVISION
SHEET NO. 406 OF 2425
SCALE 1"=20'

Redlands Passenger Rail Project 92 of 359

8/23/2018 12:00:51 PM
\\OMAP-INPICS01\CS(sc(PDF\2545\88395\3_10\E\26495-06-CR51101.DGN
\\OMAP-INPICS01\CS(sc(PDF\2545\88395\3_10\E\26495-06-CR51101.DGN
C:\Program Files (x86)\Common Files\InterPlot\INPLOT\bin\iplotdrvm.plt
OMAP-INPICS02



CONSTRUCTION NOTES:

(34) INSTALL CPUC STD NO. 9 ACTIVE WARNING DEVICE PER SCRRA ENGINEERING STD ES8300

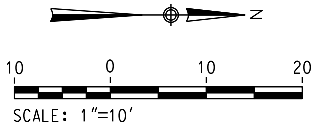
(48) INSTALL PRECAST CONCRETE PANELS PER SCRRA ENGINEERING STD ES4201, LAYOUT PER TRACK PLANS

(50) CONSTRUCT ASPHALT CONCRETE PAVEMENT AND RAMP PER SCRRA ENGINEERING STD ES4201

NOTE:

1. PEDESTRIAN FACILITIES AT VEHICLE CROSSINGS SHALL COMPLY WITH SCRRA ENGINEERING STANDARDS ES4011 AND ES4012, WHICHEVER IS APPLICABLE.

CHARLES CHRISTOPLIS
No. 045570
CIVIL
1



SCALE: 1"=10'

8/23/2018 12:05:38 PM OMAP-INPICS02$
\OMAP-INPICS01\ICSforPDF\2515\883953_107\26495-06-CR51102.DGN
\pwworking\sac\d0756163\SANBAG-ICS-HALF.tbl
\Program Files (x86)\Common Files\InterPlot\IPLOT\bin\iplotdrvm.plt

1	08-28-18	ADDENDUM	EA	CC
REV.	DATE		BY / SUB.	APP.

DESIGNED BY	J. SONG
DRAWN BY	J. KUO
CHECKED BY	J. BROWN
APPROVED BY	R. KLOVSKY
DATE	5-18-2018

San Bernardino County Transportation Authority

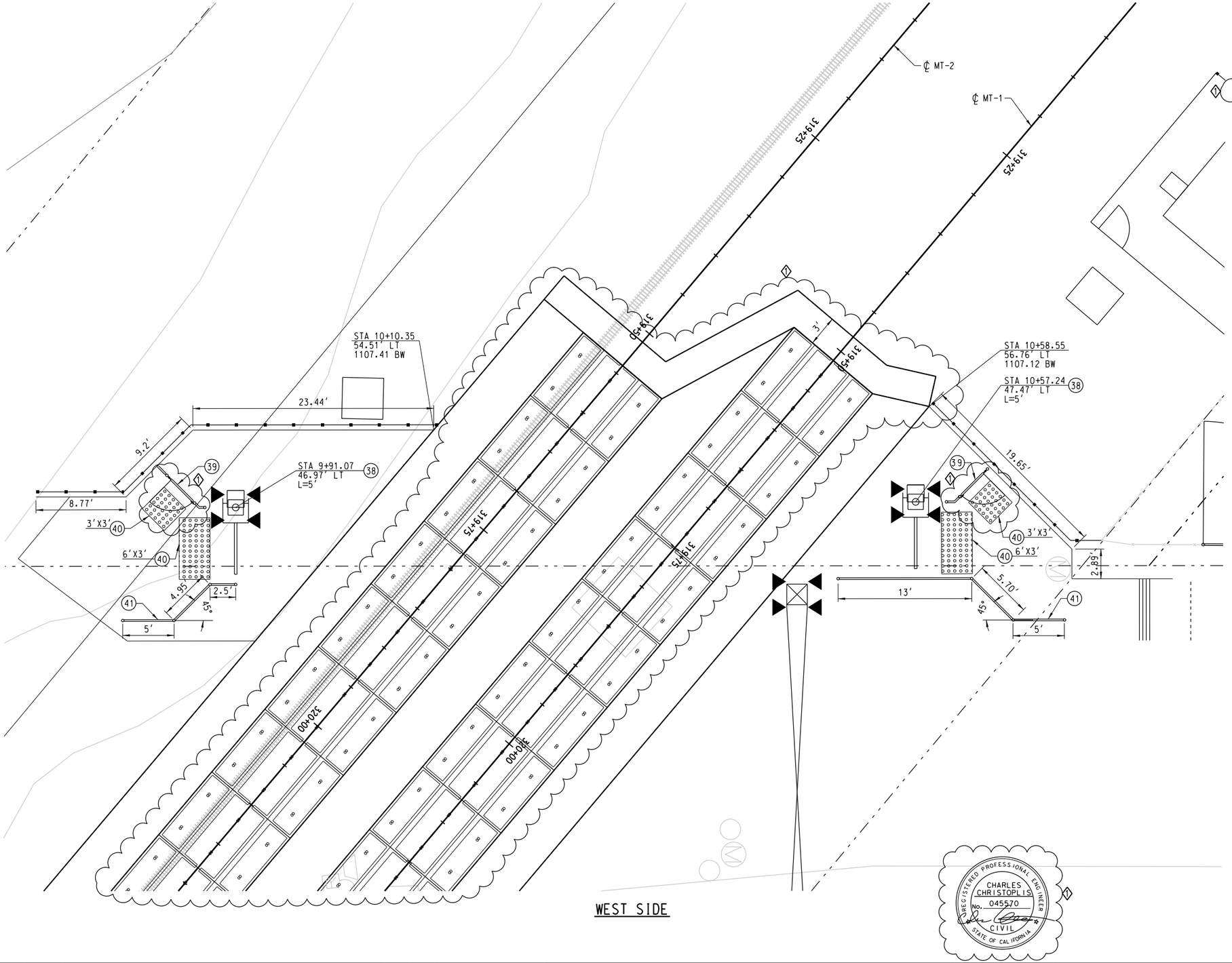
HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

JIANSHENG SONG
No. 71849
Exp. 12/31/19
CIVIL

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
MOUNTAIN VIEW AVENUE – MP 61.87 (5.14)
GRADE CROSSING LAYOUT

CONTRACT NO.	17-1001705
DRAWING NO.	CR51102
REVISION	SHEET NO. 407 OF 2425
SCALE	1"=10'



CONSTRUCTION NOTES:

38. INSTALL CPUC STD NO. 9 PEDESTRIAN AUTOMATIC WARNING DEVICE WITH GATE ARM PER SCRRA ENGINEERING STD ES8300, LENGTH PER PLAN
39. INSTALL PEDESTRIAN SWING GATE PER SCRRA ENGINEERING STD ES4002, LAYOUT PER PLAN AND AS MODIFIED BY NOTE 3.
40. INSTALL ADA DETECTABLE WARNING SURFACE (RAISED TRUNCATED DOME), DIMENSIONS PER PLAN
41. INSTALL METAL HAND RAILING PER SCRRA ENGINEERING STD ES4005

NOTE:

1. PEDESTRIAN FACILITIES AT VEHICLE CROSSINGS SHALL COMPLY WITH SCRRA ENGINEERING STANDARDS ES4011 AND ES4012, WHICHEVER IS APPLICABLE.
2. SEE ROADWAY LAYOUT SHEET FOR STATIONING.
3. BEGIN/END PEDESTRIAN SWING GATE ASSEMBLY/ ACCOMPANYING HAND RAILINGS AT 3 FEET FROM CENTER OF PEDESTRIAN GATE ARM POLE, UNLESS NOTED OTHERWISE.

SCALE: 1"=5'-0"

REV.	DATE		BY	SUB.	APP.
1	8-20-2018	Regular Meeting of 09-20-2022	EA		CC

DESIGNED BY J. SONG
DRAWN BY J. KUO
CHECKED BY J. BROWN
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Sulte 100
Riverside, CA 92501-2110
(951) 320-7300

REGISTERED PROFESSIONAL ENGINEER — CHARLES CHRISTOPLIS — No. 045570 — CIVIL — STATE OF CALIFORNIA

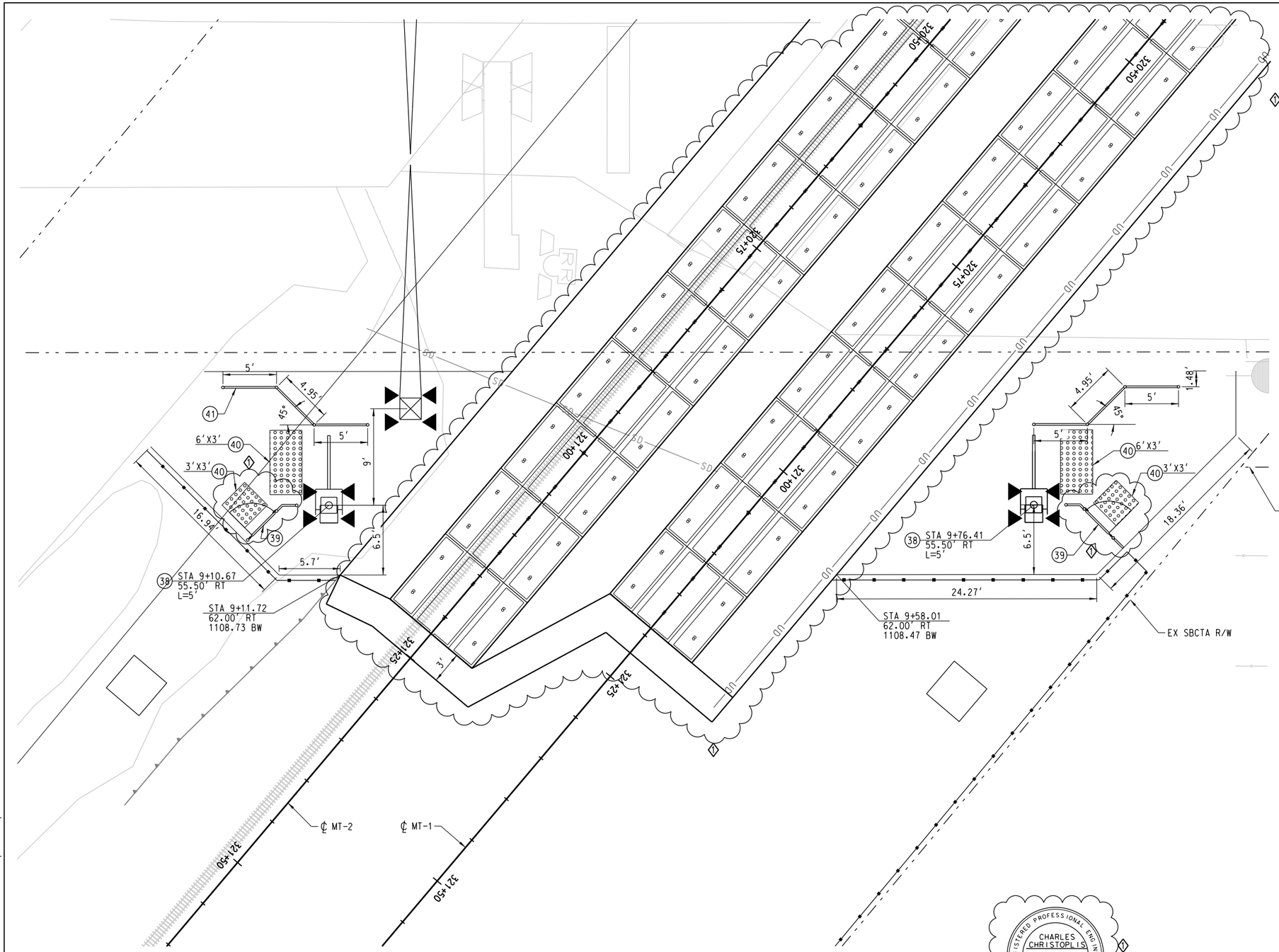
REGISTERED PROFESSIONAL ENGINEER — JIANSHENG SONG — No. 71849 Exp. 12/31/19 — CIVIL — STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
MOUNTAIN VIEW AVENUE – MP 61.87 (5.14)
GRADE CROSSING DETAILS (SHEET 1 OF 2)

CONTRACT NO. 17-1001705
DRAWING NO. CR51401
REVISION
SHEET NO. 408 OF 2425
SCALE 1"=5'
94 of 359

8/23/2018 12:05:55 PM
OMAP-INP\CS01\CS\5\PDF\2315\883953_10\26495-06-CR51401.DGN
OMAP-INPICS02$
Working Use Only (Not for Construction) ALT 1
Program Files (x86)\Common Files\InterPlot\IPLOT\bin\iplotdrvm.plt



EAST SIDE

CONSTRUCTION NOTES:

38. INSTALL CPUC STD NO. 9 PEDESTRIAN AUTOMATIC WARNING DEVICE WITH GATE ARM PER SCRRA ENGINEERING STD ES8300, LENGTH PER PLAN
39. INSTALL PEDESTRIAN SWING GATE PER SCRRA ENGINEERING STD ES4002, LAYOUT PER PLAN AND AS MODIFIED BY NOTE 3.
40. INSTALL ADA DETECTABLE WARNING SURFACE (RAISED TRUNCATED DOME), DIMENSIONS PER PLAN
41. INSTALL METAL HAND RAILING PER SCRRA ENGINEERING STD ES4005

NOTE:

1. PEDESTRIAN FACILITIES AT VEHICLE CROSSINGS SHALL COMPLY WITH SCRRA ENGINEERING STANDARDS ES4011 AND ES4012, WHICHEVER IS APPLICABLE.
2. SEE ROADWAY LAYOUT SHEET FOR STATIONING.
3. BEGIN/END PEDESTRIAN SWING GATE ASSEMBLY/ ACCOMPANYING HAND RAILINGS AT 3 FEET FROM CENTER OF PEDESTRIAN GATE ARM POLE, UNLESS NOTED OTHERWISE.

REGISTERED PROFESSIONAL ENGINEER
CHARLES CHRISTOPLIS
No. 045570
CIVIL
STATE OF CALIFORNIA

N

5 0 5 10

SCALE: 1"=5'-0"

8/23/2018 12:05:58 PM
\\OMAP-INPICS01\CS1\ePDF\25151\88395\3-1IN\26495-06-CR51402.DGN
\\workfiles.com\25151\88395\3-1IN\26495-06-CR51402.dgn
C:\Program Files (x86)\Common Files\InterPlot\IPILOT\bin\iplotdrvm.plt
OMAP-INPICS02$

REV.	DATE		BY	EA SUB.	CC APP.
1	09-20-2022	Redlands Regular Meeting			

DESIGNED BY	J. SONG
DRAWN BY	J. KUO
CHECKED BY	J. BROWN
APPROVED BY	R. KLOVSKY
DATE	5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

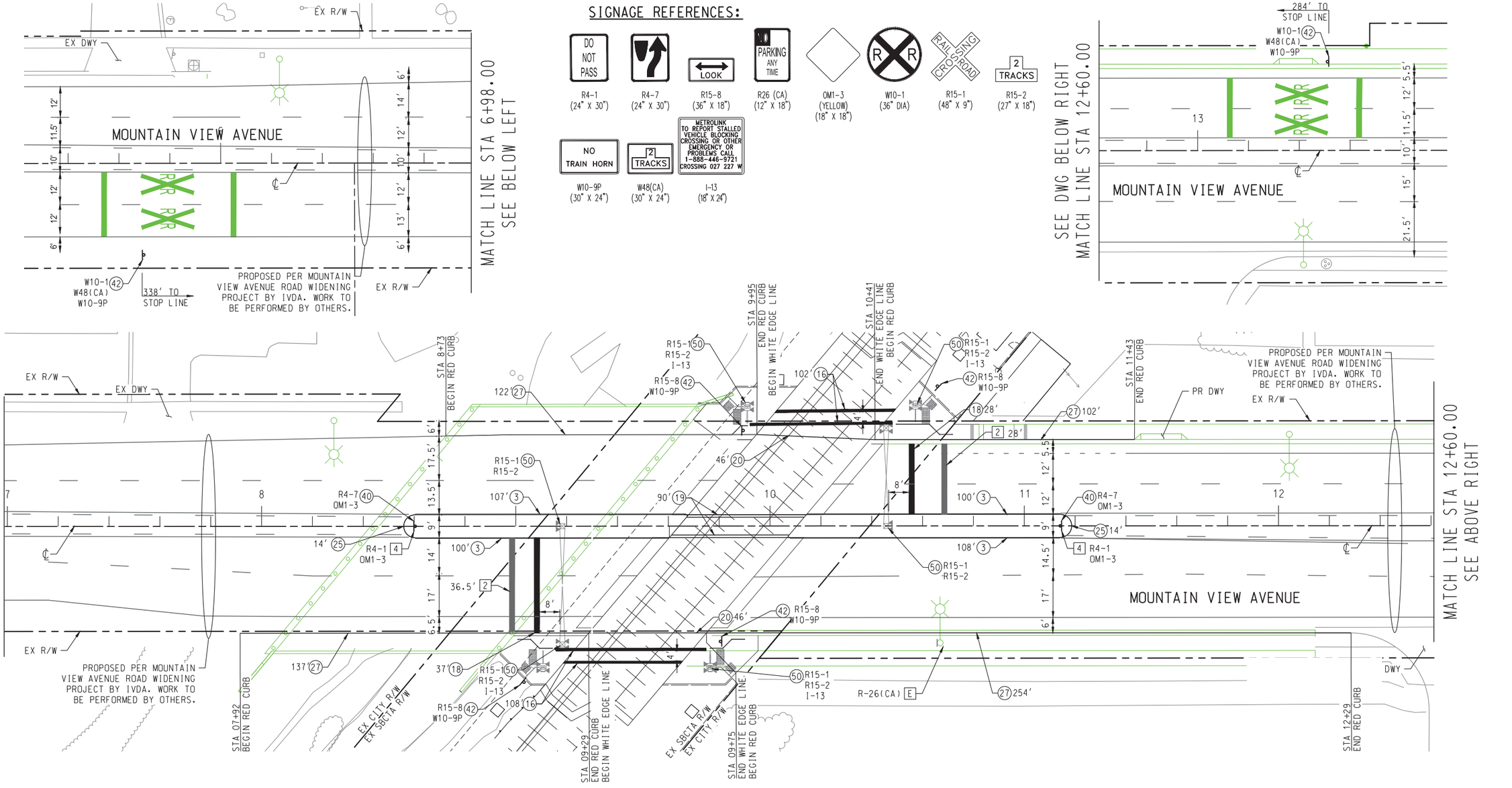
REGISTERED PROFESSIONAL ENGINEER
JIAN-HENG SONG
No. 71849
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
MOUNTAIN VIEW AVENUE – MP 61.87 (5.14)
GRADE CROSSING DETAILS (SHEET 2 OF 2)

CONTRACT NO.	17-1001705
DRAWING NO.	CR51402
REVISION	
SHEET NO.	409 OF 2425
SCALE	95 of 359 1"=5'

SIGNAGE REFERENCES:



CONSTRUCTION NOTES:

(3) APPLY 6" SOLID YELLOW EDGE LINE AROUND MEDIAN PER CALTRANS 2015 STD PLAN A20B, DETAIL 24.
(16) APPLY 12" SOLID THERMOPLASTIC WHITE CROSSWALK LINE OR LIMIT LINE PER CALTRANS 2015 STD PLAN A24E.
(18) APPLY 24" WHITE THERMOPLASTIC STOP LINE PER CA MUTCD SECTION 8B.28.
(19) APPLY 6" DOUBLE YELLOW MEDIAN LINES WITH RPMS SPACED 4' OC PER METROLINK STD PLAN 4015.
(20) APPLY 6" WHITE EDGE LINE WITH RPMS SPACED 4' OC.
(25) PAINT MEDIAN NOSE YELLOW WITH TYPE "D" RPMS 2' OC.
(27) PAINT CURB RED.
(40) INSTALL SIGN AND POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE 3.5' ABOVE FINISH SURFACE.
(42) INSTALL SIGN AND POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE A MINIMUM 7' ABOVE FINISHED GRADE.
(50) INSTALL SIGN ON EXISTING GATE MECHANISM.

REMOVAL NOTES:

[2] REMOVE EXISTING STRIPING BY GRINDING AND APPLYING SLURRY PATCH.
[4] REMOVE EXISTING SIGN AND POST.
[E] EXISTING TO REMAIN.

SEE CIVIL SHEETS FOR CURB, RAMP, MEDIAN AND SIDEWALK IMPROVEMENTS

GENERAL NOTES:

POSTED SPEED LIMIT ON MOUNTAIN VIEW AVE IS 45 MPH.

N
20 0 20 40
SCALE: 1"=20'

REV.	DATE	BY	SUB.	APP.

DESIGNED BY B. SCHLUETER
DRAWN BY B. SCHLUETER
CHECKED BY N. MINICILLI
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

STC TRAFFIC
5865 AVENIDA ENCINAS, #142-B
CARLSBAD, CA 92008
PH: 760-602-4290
WWW.STCTRAFFIC.COM

APPROVED: _____

REGISTERED PROFESSIONAL ENGINEER NICHOLAS M. MINICILLI NO. 74667 CIVIL STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
MOUNTAIN VIEW AVENUE - MP 61.87 (5.14)
SIGNING AND STRIPING

CONTRACT NO. C15-1001093
DRAWING NO. CR51501
REVISION
SHEET NO.
SCALE HORIZ 1"=20'

christian lombarth
5/7/2018 2:48 PM
s:\projects\hdr\0398_redlands passenger rail design project\07_engineering\cadd\dlv\26495-06-cr51501.dwg
sonora_prp-test.ctb

CURVE DATA				
No.	R	Δ	T	L
1	167.46	14°05'00"	20.69	41.16
2	167.46	10°13'07"	14.97	29.87
3	40.00	90°29'40"	40.35	63.18
4	25.00	90°31'32"	25.23	39.50

CALIFORNIA STREET

N00°23'00"W

EX SBCTA R/W

STA ℄ CALIFORNIA ST = 9+95.33

STA ℄ MT-1 = 380+12.53

MP 63.00 (6.27)

RELOCATE FLAG POLE. TO BE COORDINATED WITH PROPERTY OWNER

REMOVE AND SALVAGE SIGN AND LIGHT FIXTURE. TO BE COORDINATED WITH PROPERTY OWNER, CITY, ELECTRICAL AND COMMUNICATIONS TEAM

SEE FENCING PLAN FOR DET

EX SBCTA R/W

PROP SBCTA R/W

CALTRANS R/W

℄ MT-1

56.34'

10'x14' PAD = 1161.5'

3 TOTAL

52.44'

WEIR AND IRRIG APPURTENANCES SEE UTILITY DISPOSITION PLANS

PROP TCE

STA 8+40.00, 32.00' LT
BEG C&G, SWK & PVMT
JOIN EXIST

DETAIL A
SEE SHT CR63301

STA 8+62 ℄ DRWY, W=36'

STA 9+38 ℄ DRWY W=24'

MONITORING WELLS TO BE REMOVED TO TOP 6" ABANDON IN PLACE

MONITORING WELL

PROP EASEMENT

EX CITY R/W

TREE

PP & GUY

LPL

BFP

WM

SIGN

FH

WV

SCE VAULT

8+99.25 BC
4.00' RT

9+40.00 PRC
1.00' LT

9+69.47 EC
5.63' LT

MATCH COLOR

FOR PROPOSED CONSTRUCTION IN CALTRANS ACCESS CONTROL LIMITS SEE SHEET CR63103

STA 8+40.00, 4.00' RT
BEG MED
JOIN EXIST

STA 8+40.00, 6.00' RT
BEG MED
JOIN EXIST

SEWER MH

SD MH

PB

STA 8+40.00, 57.00' RT
BEG C&G, SWK & PVMT
JOIN EXIST

DETAIL B
SEE SHT CR63301

CB

SIGN

MON SIGN

EXISTING IRRIGATION TO BE PROTECTED IN PLACE OR ADJUSTED AS NEEDED AND BE IN FUNCTIONING ORDER TO CITY INSPECTOR'S APPROVAL

PROP TCE

EX SBCTA R/W

(50' R/W)

℄ MT-2

N89°34'14"E

STA ℄ CALIFORNIA ST = 9+80.00

STA ℄ MT-2 = 380+12.92

MP 63.00 (6.27)

SEE FENCING PLANS

PROP PB (TYP)
ELEV PER SHEET CR63102
SEE SIGNAL PLANS (TYP)

PROP SBCTA R/W

CALTRANS R/W

EX SBCTA R/W

PROP EASEMENT

REMOVAL NOTES:

1. REMOVE EXISTING AC PAVEMENT
3. REMOVE EXISTING CURB
4. REMOVE EXISTING CURB & GUTTER
5. REMOVE EXISTING SIDEWALK
6. REMOVE EXISTING DRIVEWAY
7. REMOVE CROSS GUTTER
10. REMOVE EXISTING RAILROAD SIGNAL
16. REMOVE EXISTING CONCRETE PANEL
18. REMOVE EXISTING RAIL EQUIPMENT PER SIGNAL PLANS
24. REMOVE AND SALVAGE EXISTING SIGN

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST TO GRADE, ITEM PER PLAN
3. SAWCUT EXISTING PAVEMENT
4. COLD MILL 2" EXISTING PAVEMENT AND CONSTRUCT 2" ASPHALT CONCRETE OVERLAY
5. CONSTRUCT FULL AC PAVEMENT SECTION, DEPTHS OF AC AND AB PER SHEET CR00006
6. CONSTRUCT 8" AC PAVEMENT WITH GLASS GRID PER SCRRA ENGINEERING STD ES4001, DETAIL B
10. CONSTRUCT STAMPED CONCRETE MEDIAN PAVEMENT, 4" PCC OVER 4" SAND FILL OVER 95% COMPACTED NATIVE MATERIAL
14. CONSTRUCT 8" HIGH TYPE A1-8 CURB PER SPPWC STD PLAN NO. 120-2
16. CONSTRUCT 8" HIGH TYPE A2-8 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2
18. CONSTRUCT 6" HIGH TYPE A2-6 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2
21. CONSTRUCT 4" PCC SIDEWALK PER SPPWC STD PLAN NO. 112-2 AND 113-2, AND PER DETAIL A SHEET CR00006
24. CONSTRUCT DRIVEWAY PER SPPWC STD PLAN NO. 110-2, TYPE B
26. CONSTRUCT CURB RAMP AND DETECTABLE WARNING SURFACE PER SPPWC STD PLAN NO. 111-5, CASE A, TYPE 1
29. CONSTRUCT CROSS GUTTER PER SPPWC STD PLAN NO. 122-2
44. INSTALL NON-REMOVABLE BOLLARDS PER SHEET CR00006
49. INSTALL SIGNAL HOUSE

REGISTERED PROFESSIONAL ENGINEER
CHARLES CHRISTOPLIS
No. 045570
CIVIL
STATE OF CALIFORNIA

N

20 0 20 40

SCALE: 1"=20'

DOT 027231L, CPUC 101 SG-63.00

REV.	DATE		BY	SUB.	APP.
			TJ		SG

DESIGNED BY J. SONG
DRAWN BY J. KUO
CHECKED BY J. BROWN
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

REGISTERED PROFESSIONAL ENGINEER
JIANSHENG SONG
No. 71849
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

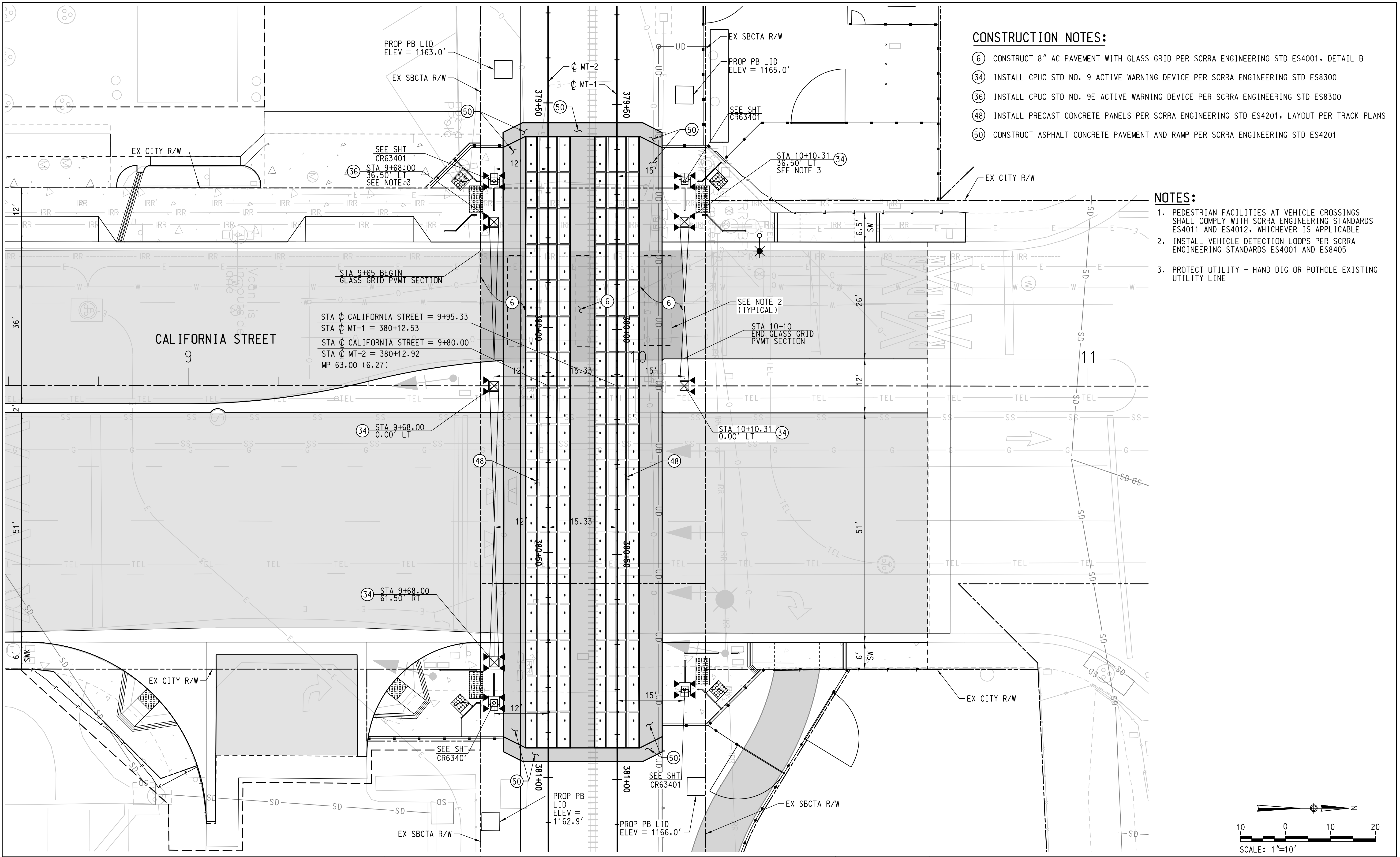
REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
CALIFORNIA STREET – MP 63.00 (6.27)
LAYOUT

CONTRACT NO. 17-1001705
DRAWING NO. CR63101
REVISION
SHEET NO.
SCALE 1"=20'

Redlands Regular Meeting of 09-20-2022

1/31/2019 2:55:02 PM OMAP-INPICS02$
O:\OMAP-INPICS02\CS\PDF\3071\990937_74126495-06-CR63101.DGN
C:\Users\jkuo\Documents\Working Files (x86)\Autodesk\AutoCAD Civil 3D 2016\Plot Styles\ACAD.ctb
P:\Program Files (x86)\Common Files\InterPlot\IPLOT\bin\iplotdrvm.plt



CONSTRUCTION NOTES:

⑥ CONSTRUCT 8" AC PAVEMENT WITH GLASS GRID PER SCRRA ENGINEERING STD ES4001, DETAIL B

㉞ INSTALL CPUC STD NO. 9 ACTIVE WARNING DEVICE PER SCRRA ENGINEERING STD ES8300

㊱ INSTALL CPUC STD NO. 9E ACTIVE WARNING DEVICE PER SCRRA ENGINEERING STD ES8300

㊽ INSTALL PRECAST CONCRETE PANELS PER SCRRA ENGINEERING STD ES4201, LAYOUT PER TRACK PLANS

㊿ CONSTRUCT ASPHALT CONCRETE PAVEMENT AND RAMP PER SCRRA ENGINEERING STD ES4201

NOTES:

1. PEDESTRIAN FACILITIES AT VEHICLE CROSSINGS SHALL COMPLY WITH SCRRA ENGINEERING STANDARDS ES4011 AND ES4012, WHICHEVER IS APPLICABLE
2. INSTALL VEHICLE DETECTION LOOPS PER SCRRA ENGINEERING STANDARDS ES4001 AND ES8405
3. PROTECT UTILITY - HAND DIG OR POTHOLE EXISTING UTILITY LINE

1/31/2019 5:04:40 PM TJACQUES
w:\\pwappsac01:California_Sacramento\Documents\SANBAG\SANBAG_RPRP_Final_Design\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_03-Contract_Files-Conformed\Sheet Files - Mainline Conformed\06a_CIVIL\ROADWAY\
w:\\pwappsac01:California_Sacramento\Documents\SANBAG\SANBAG_RPRP_Final_Design\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_02-Contract_Files-Bid_Addenda_PlotDRV\SANBAG_BW
c:\pwworking\sac\d0761459\SANBAG-11x17bw_pdf.pltcfg

REV.	DATE		BY / SUB.	APP.
0	12-00-18	CONFORMED	TJ	SG

DESIGNED BY J. SONG
DRAWN BY J. KUO
CHECKED BY J. BROWN
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

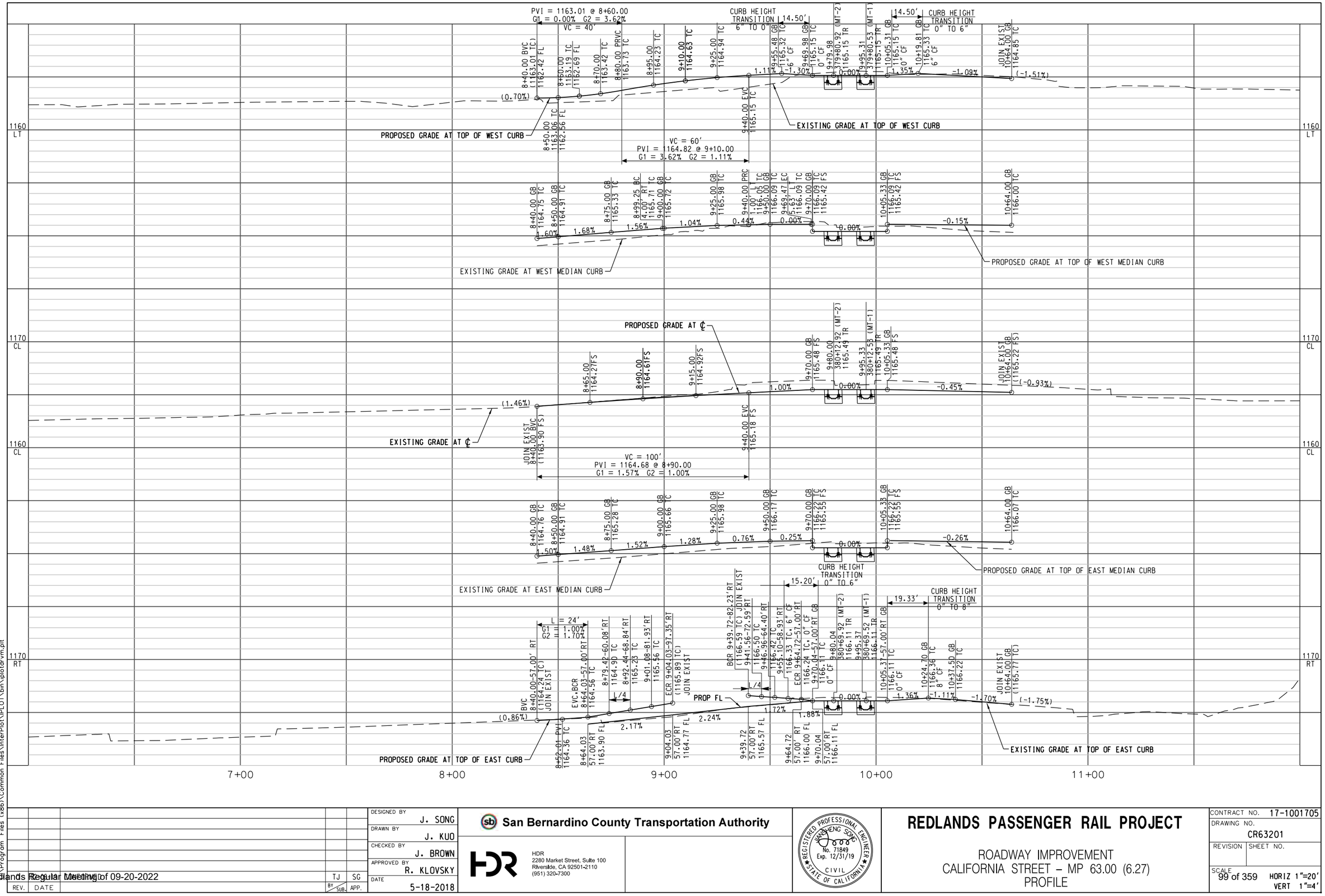
HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

REGISTERED PROFESSIONAL ENGINEER
JIANSHENG SONG
No. 71849
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
CALIFORNIA STREET - MP 63.00 (6.27)
GRADE CROSSING LAYOUT

CONTRACT NO. 17-1001705
DRAWING NO. CR63102
REVISION
SHEET NO.
SCALE 1"=10'



1/31/2019 1:00:37 PM OMAP-INPICS02$
J:\OMAP-INPICS01\CS(to PDF)\30771-990937_77-126495-06-CR63201.DGN
J:\Engineering Projects\CS(to PDF)\SAN BERNARDINO COUNTY\HALF\126495-06-CR63201.dgn
C:\Program Files (x86)\Common Files\InterPlot\INPLOT\bin\plotdrvm.plt

REV.	DATE		BY	SUB.	APP.
			TJ		SG

DESIGNED BY J. SONG
DRAWN BY J. KUO
CHECKED BY J. BROWN
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

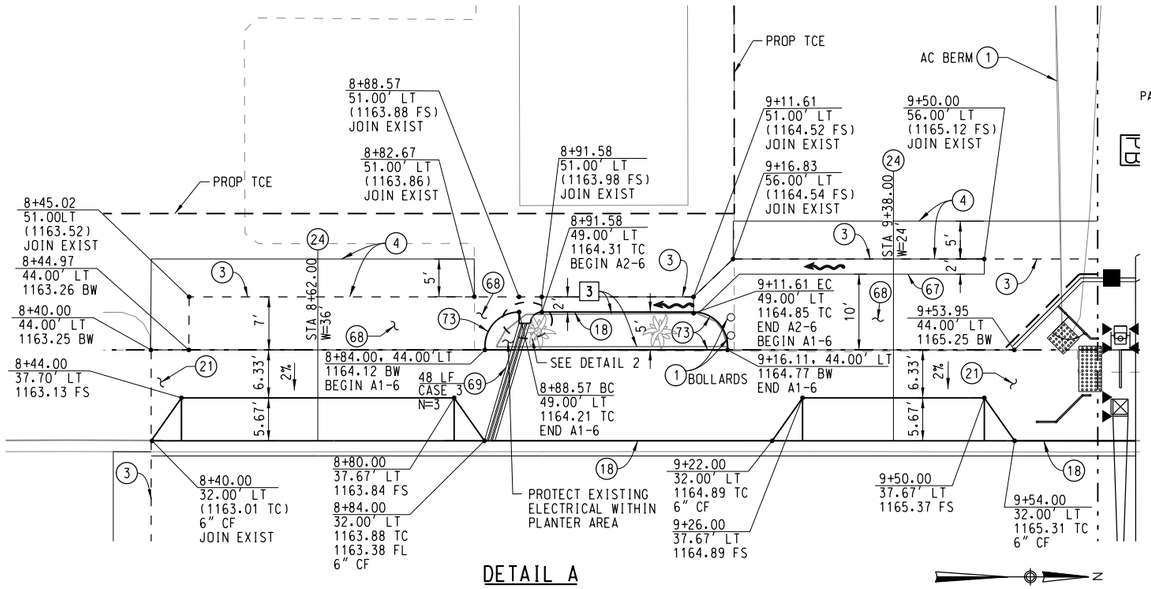
HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

REGISTERED PROFESSIONAL ENGINEER — JIANSHENG SONG — No. 71849 — Exp. 12/31/19 — CIVIL — STATE OF CALIFORNIA

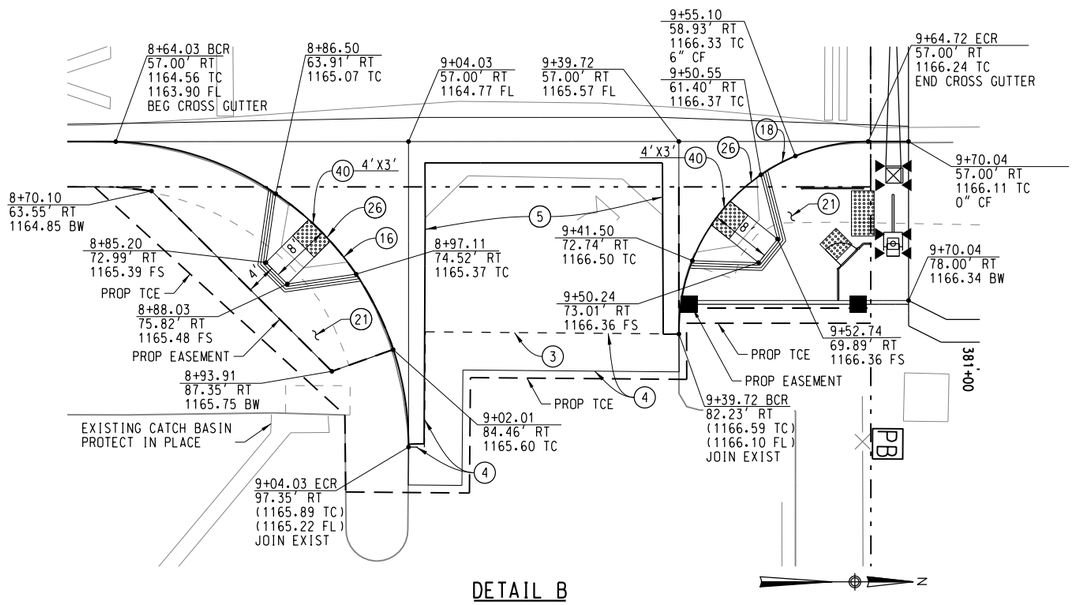
REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
CALIFORNIA STREET – MP 63.00 (6.27)
PROFILE

CONTRACT NO. 17-1001705
DRAWING NO. CR63201
REVISION | SHEET NO.
SCALE 99 of 359 HORIZ 1"=20' VERT 1"=4'



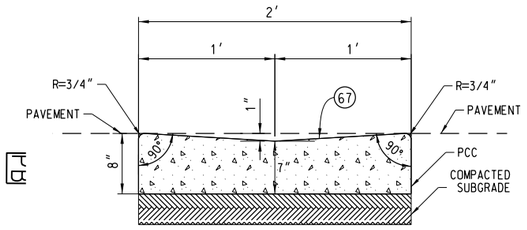
DETAIL A



DETAIL B

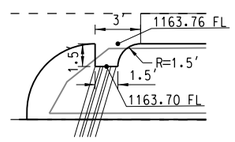
CONSTRUCTION REMOVAL NOTES:

[3] REMOVE EXISTING CURB



2' PCC RIBBON GUTTER (1 CR63301)

NOT TO SCALE

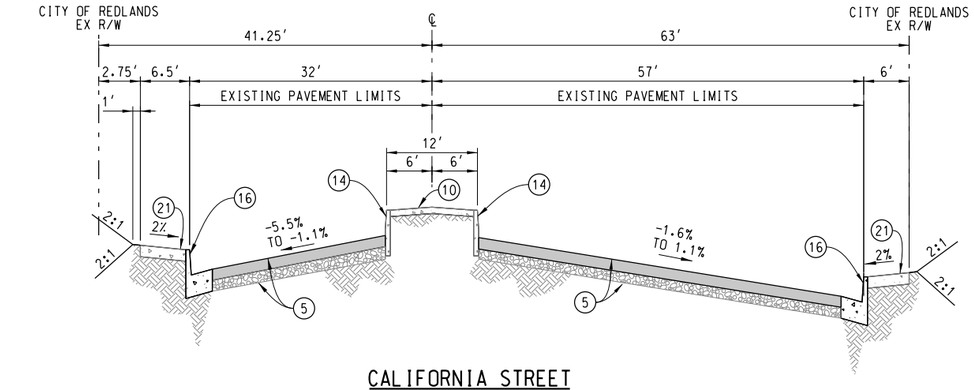


DETAIL 2 (2 CR63301)

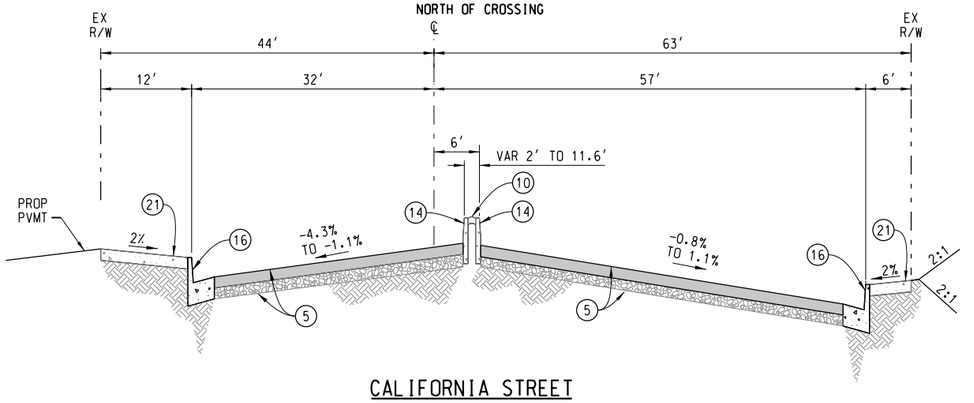
NTS

CONSTRUCTION NOTES:

(1) PROTECT IN PLACE
(3) SAWCUT EXISTING PAVEMENT
(4) COLD MILL 2" EXISTING PAVEMENT AND CONSTRUCT 2" ASPHALT CONCRETE OVERLAY
(5) CONSTRUCT FULL AC PAVEMENT SECTION, DEPTHS OF AC AND AB PER SHEET CR00006
(10) CONSTRUCT STAMPED CONCRETE MEDIAN PAVEMENT, 4" PCC OVER 4" SAND FILL OVER 95% COMPACTED NATIVE MATERIAL
(14) CONSTRUCT 8" HIGH TYPE A1-8 CURB PER SPPWC STD PLAN NO. 120-2
(16) CONSTRUCT 8" HIGH TYPE A2-8 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2
(18) CONSTRUCT 6" HIGH TYPE A2-6 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2
(21) CONSTRUCT 4" PCC SIDEWALK PER SPPWC STD PLAN NO. 112-2 AND 113-2, AND PER DETAIL A SHEET CR00006
(24) CONSTRUCT DRIVEWAY PER SPPWC STD PLAN NO. 110-2, TYPE B
(26) CONSTRUCT CURB RAMP AND DETECTABLE WARNING SURFACE PER SPPWC STD PLAN NO. 111-5, CASE A, TYPE 1
(40) INSTALL ADA DETECTABLE WARNING SURFACE (RAISED TRUNCATED DOME), DIMENSIONS PER PLAN
(67) CONSTRUCT 2' PCC RIBBON GUTTER PER DETAIL ON SHEET CR63301
(68) CONSTRUCT 6" PCC PAVEMENT
(69) INSTALL CURB DRAIN PER SPPWC STD PLAN NO.150-3, CASE PER PLAN
(73) CONSTRUCT 6" HIGH TYPE A1-6 CURB PER SPPWC STD PLAN NO. 120-2



CALIFORNIA STREET
NORTH OF CROSSING



CALIFORNIA STREET
SOUTH OF CROSSING
NTS

REGISTERED PROFESSIONAL ENGINEER
CHARLES CHRISTOPLIS
No. 045570
CIVIL
STATE OF CALIFORNIA

REV.	DATE		BY	SUB.	APP.
			TJ		SG

DESIGNED BY J. SONG
DRAWN BY J. KUO
CHECKED BY J. BROWN
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Sulte 100
Riverside, CA 92501-2110
(951) 320-7300

REGISTERED PROFESSIONAL ENGINEER
JIANSHENG SONG
No. 71849
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

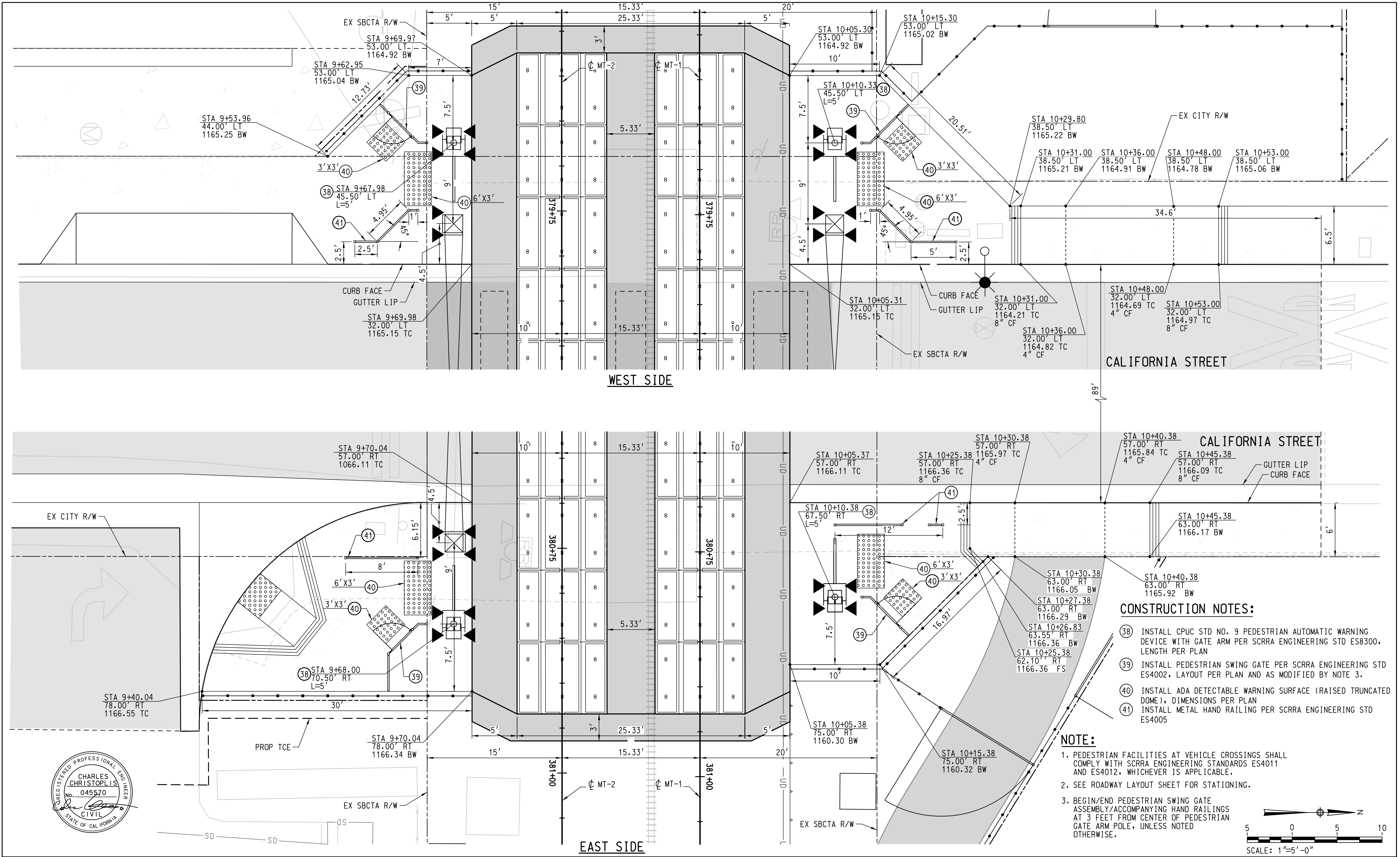
REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENTS
CALIFORNIA STREET – MP 63.00 (6.27)
TYPICAL SECTION & CONSTRUCTION DETAILS

CONTRACT NO. 17-1001705
DRAWING NO. CR63301
REVISION | SHEET NO.
SCALE 1"=10'

1/31/2019 3:00:47 PM OMAP-INPICS02$
I:\OMAP-INPICS01\CS1forPDF\3077\990937_78\126495-06-CR63301.DGN
User:dkim Dgn: I:\OMAP-INPICS01\CS1forPDF\3077\990937_78\126495-06-CR63301.DGN
Workspace: c:\Program Files (x86)\Common Files\InterPlot\PLOT\bin\plotdrvm.plt

2/4/2019 1:43:24 PM TJACQUES
w:\\pwappsac01:California_Sacramento\Documents\SANBAG\SANBAG_RPRP_Final_Design\SANBAG_RPRP_Final_Design\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions\Sheet Files - Construction Revisions\06a_C
w:\\pwappsac01:California_Sacramento\Documents\SANBAG\SANBAG_RPRP_Final_Design\SANBAG_RPRP_Final_Design\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_02-Contract_Files-Bid_Addenda_PlotDRV\SANBAG_BW
\pwworking\sac\d0761459\SANBAG-11x17bw_pdf.pltcfg



CONSTRUCTION NOTES:

㊳ INSTALL CPUC STD NO. 9 PEDESTRIAN AUTOMATIC WARNING DEVICE WITH GATE ARM PER SCRRA ENGINEERING STD ES8300, LENGTH PER PLAN

㊴ INSTALL PEDESTRIAN SWING GATE PER SCRRA ENGINEERING STD ES4002, LAYOUT PER PLAN AND AS MODIFIED BY NOTE 3.

㊵ INSTALL ADA DETECTABLE WARNING SURFACE (RAISED TRUNCATED DOME), DIMENSIONS PER PLAN

㊶ INSTALL METAL HAND RAILING PER SCRRA ENGINEERING STD ES4005

NOTE:

1. PEDESTRIAN FACILITIES AT VEHICLE CROSSINGS SHALL COMPLY WITH SCRRA ENGINEERING STANDARDS ES4011 AND ES4012, WHICHEVER IS APPLICABLE.
2. SEE ROADWAY LAYOUT SHEET FOR STATIONING.
3. BEGIN/END PEDESTRIAN SWING GATE ASSEMBLY/ACCOMPANYING HAND RAILINGS AT 3 FEET FROM CENTER OF PEDESTRIAN GATE ARM POLE, UNLESS NOTED OTHERWISE.

CHARLES CHRISTOPLIS
No. 045570
CIVIL

REV.	DATE		BY/SUB.	APP.
	02-01-19	CONFORMED	TJ	SG

DESIGNED BY J. SONG
DRAWN BY J. KUO
CHECKED BY J. BROWN
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

JIANSHENG SONG
No. 71849
Exp. 12/31/19
CIVIL

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
CALIFORNIA STREET - MP 63.00 (6.27)
GRADE CROSSING DETAIL

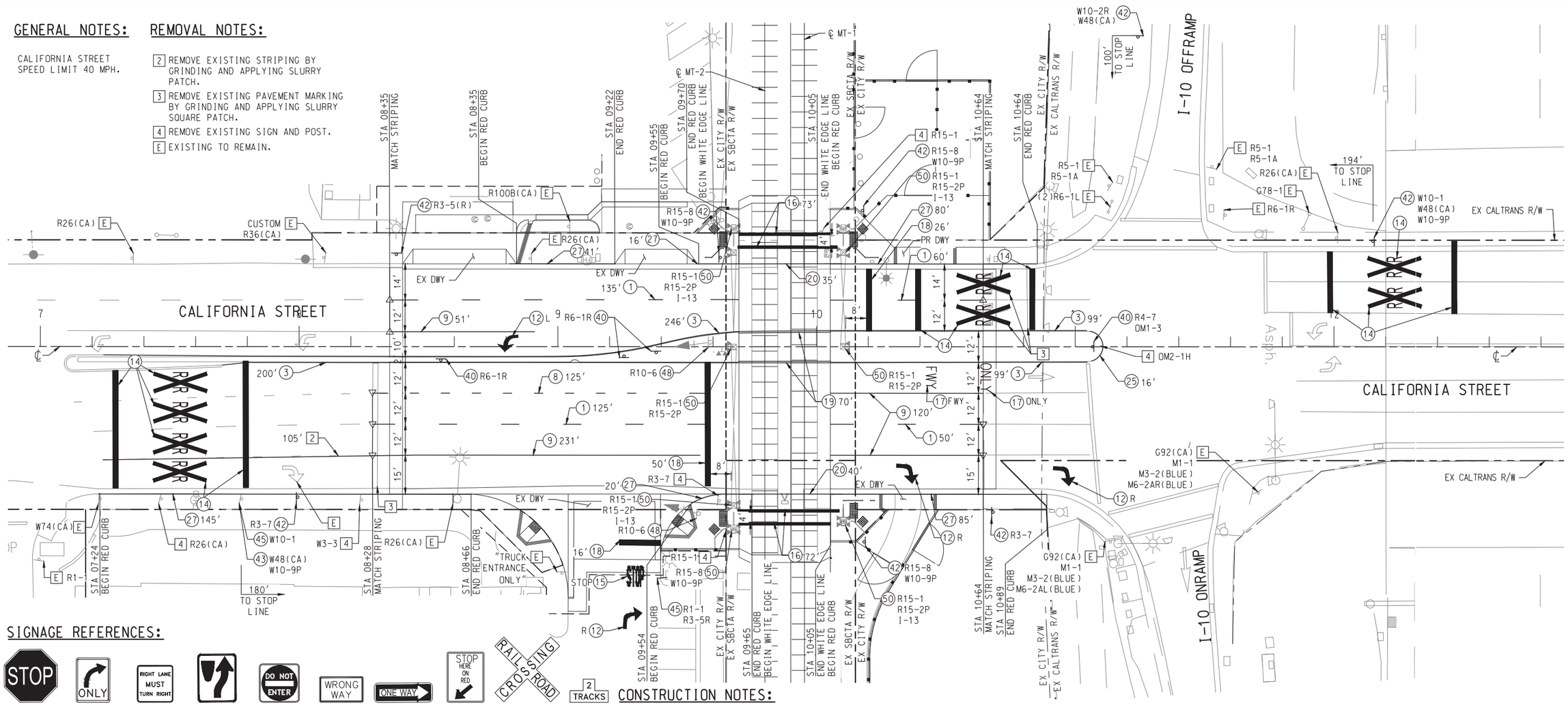
CONTRACT NO. 17-1001705
DRAWING NO. CR63401
REVISION
SHEET NO.
SCALE 1"=5'

GENERAL NOTES:

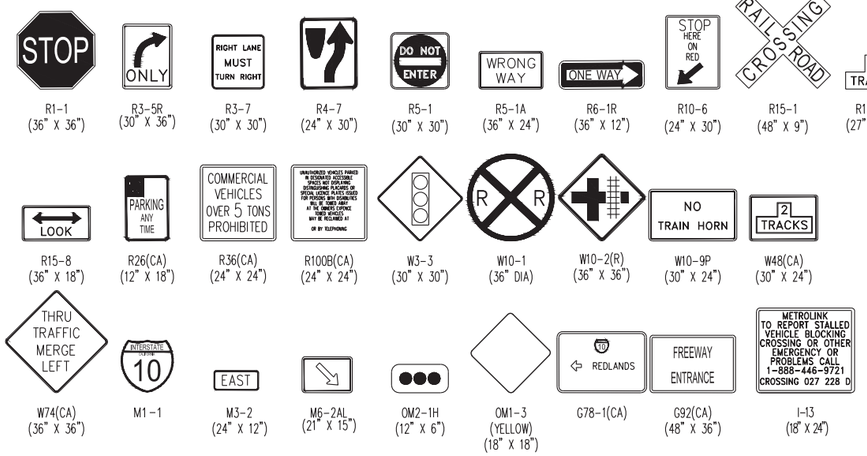
CALIFORNIA STREET
SPEED LIMIT 40 MPH.

REMOVAL NOTES:

2 REMOVE EXISTING STRIPING BY GRINDING AND APPLYING SLURRY PATCH.
3 REMOVE EXISTING PAVEMENT MARKING BY GRINDING AND APPLYING SLURRY SQUARE PATCH.
4 REMOVE EXISTING SIGN AND POST.
E EXISTING TO REMAIN.



SIGNAGE REFERENCES:



R1-1 (36" X 36") · R3-5R (30" X 36") · R3-7 (30" X 30") · R4-7 (24" X 30") · R5-1 (30" X 30") · R5-1A (36" X 24") · R6-1R (36" X 12") · R10-6 (24" X 30") · R15-1 (48" X 9") · R15-2P (27" X 18")

R15-8 (36" X 18") · R26(CA) (12" X 18") · R36(CA) (24" X 24") · R100B(CA) (24" X 24") · W3-3 (30" X 30") · W10-1 (36" DIA) · W10-2(R) (36" X 36") · W10-9P (30" X 24") · W48(CA) (30" X 24")

W74(CA) (36" X 36") · M1-1 · M3-2 (24" X 12") · M6-2AL (21" X 15") · OM2-1H (12" X 6") · OM1-3 (YELLOW) (18" X 18") · G78-1(CA) · G92(CA) (48" X 36") · I-13 (18" X 24")

CONSTRUCTION NOTES:

(1) APPLY 6" DASHED WHITE LINE PER CALTRANS 2015 STD PLAN A20A, DETAIL 9.
(3) APPLY 6" SOLID YELLOW EDGE LINE AROUND MEDIAN PER CALTRANS 2015 STD PLAN A20B, DETAIL 24.
(8) APPLY 8" DASHED WHITE LINE PER CALTRANS 2015 STD PLAN A20C DETAIL 37B.
(9) APPLY 8" WHITE CHANNELIZING LINE WITH REFLECTIVE AND RPMS PER CALTRANS 2015 STD PLAN A20D, DETAIL 38.
(12) APPLY THERMOPLASTIC TYPE IV ARROW AS NOTED ON PLAN PER CALTRANS 2015 STD PLAN A24A.
(14) APPLY THERMOPLASTIC RAILROAD CROSSING SYMBOL PAVEMENT MARKING PER CALTRANS 2015 STD PLAN A24B, AND CA MUTCD FIGURES 8B-6 AND 8B-7.
(15) APPLY THERMOPLASTIC PAVEMENT MARKING PER CALTRANS 2015 STD PLAN A24D.
(16) APPLY 12" SOLID THERMOPLASTIC WHITE CROSSWALK LINE OR LIMIT LINE PER CALTRANS 2015 STD PLAN A24E.
(17) APPLY THERMOPLASTIC PAVEMENT MARKING AS SHOWN PER CALTRANS 2015 STD PLANS A24E.
(18) APPLY 24" WHITE THERMOPLASTIC STOP LINE PER CA MUTCD SECTION 8B.28.
(19) APPLY 6" DOUBLE YELLOW MEDIAN LINES WITH RPMS SPACED 4' OC PER METROLINK STD PLAN 4015.
(20) APPLY 6" WHITE EDGE LINE WITH RPMS SPACED 4' OC.
(25) PAINT MEDIAN NOSE YELLOW WITH TYPE "D" RPMS 2' OC.
(27) PAINT CURB RED.
(40) INSTALL SIGN AND POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE 3.5' ABOVE FINISH SURFACE.
(42) INSTALL SIGN AND POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE A MINIMUM 7' ABOVE FINISHED GRADE.
(43) INSTALL SIGN ON EXISTING SIGN POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE A MINIMUM OF 7' ABOVE FINISH SURFACE.
(45) REPLACE SIGN ON EXISTING SIGN POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE A MINIMUM OF 7' ABOVE FINISH SURFACE.
(48) FOR SIGN MOUNTED ON TRAFFIC SIGNAL POLE, SEE TRAFFIC SIGNAL PLAN SET.
(50) INSTALL SIGN ON EXISTING GATE MECHANISM.

SEE CIVIL SHEETS FOR CURB, RAMP, MEDIAN AND SIDEWALK IMPROVEMENTS

N
20 0 20 40
SCALE: 1"=20'

REV.	DATE		BY	SUB	CL APP.

DESIGNED BY B. SCHLUETER
DRAWN BY B. SCHLUETER
CHECKED BY N. MINICILLI
APPROVED BY R. KLOVSKY
DATE 2-6-2019

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

STC TRAFFIC
5865 AVENIDA ENCINAS, #142-B
CARLSBAD, CA 92008
PH: 760-602-4290
WWW.STCTRAFFIC.COM

APPROVED: _____

REGISTERED PROFESSIONAL ENGINEER — NICHOLAS M. MINICILLI — NO. 74667 — CIVIL — STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
CALIFORNIA STREET - MP 63.00 (6.27)
SIGNING AND STRIPING

CONTRACT NO. C15-1001093
DRAWING NO. CR63501
REVISION | SHEET NO.
SCALE HORIZ 1"=20'

02/2/2019 2:48 PM brandon schlueter
s:\Projects\hdr\0398_redlands passenger rail design project\07_engineering\cadd\dlv\26495-06-cr63501.dwg
sonstscto

*CONDUCTOR SCHEDULE

AWG OR CABLE SIZE	POLE OR CIRCUIT		CONDUIT RUNS 1	2	3	4	5	6	7	8	9	10	11	12	13
3 CSC	POLE A	ø6,ø6P,ø6PPB	1/1	1/1	1/1		1/1								1/1
	POLE B	ø1,ø6					1/1								1/1
	POLE C	ø6P,ø6PPB					1/1								1/1
	POLE D	ø1,ø2P											1/1		1/1
	POLE E	ø4,ø2PPB												1/1	1/1
	POLE F	ø4,ø2P,ø2PPB							1/1					1/1	1/1
	POLE G	ø2/OLA					–	1/1							–/1
12 CSC	POLE H	ø5/OLB										–/1			–/1
	POLE I	ø5/OLB								–/1	–/1	–/1			–/1
	POLE J	ø5/OLB									–/1	–/1			–/1
TOTAL 3 CSC / 12 CSC CABLES			1/1	1/1	1/1	–/–	3/3	–/1	1/1	–/1	–/1	2/3	1/1	2/2	6/10
#10	SAFETY LIGHTING		–	–	–	–	2	2	–	–	–	2	–	2	4
#8	GROUND		1	1	1	–	1	1	1	1	1	1	1	1	2
#6	SERVICE		–	–	–	–	–	–	–	–	–	–	–	–	–
TYPE B DLC	ø1		1	1	1		1								1
	ø2/OLA												3		3
	ø4			2		3							3		3
	ø5/OLB										3	6			6
	ø6		6	6	6		6								6
	TOTAL DLCs		7	9	7	3	7	–	–	–	6	9	6	–	22
4#20 CONDUCTOR DLC (CAVDS ø5/OLB)											4	4			7
TRAFFIC SIGNAL INTERCONNECT (12PR#19)															1■
RAILROAD INTERCONNECT (12PR#14)							1●								1
CONDUIT SIZE (INCHES)			3"	3"	3"	2"	4"	2"	2"	3"	3"	4"	3"	3"	2-4"
CONDUIT FILL (%)			16%	18%	16%	7%	22%	18%	20%	7%	27%	21%	28%	18%	34%

*(●) = NEW
(■) = REPULL
NOTE: NEW AND EXISTING DLC'S SHALL BE REASSIGNED TO DETECTOR INPUTS AS SHOWN ON PLAN AND THE DETECTOR ASSIGNMENT TABLE.

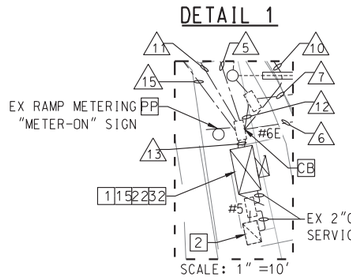
CONDUIT NOTES:

RUN	CONDUIT AND CABLE DESCRIPTION	% FILL
14	NEW 3"C, 12PR#14 RRIC	4%
15	EX 2"C, 12PR#19 TSIC	9%
16	AB EX 2"C, RC 6-DLC	0%
17	AB EX 2"C, RR 12PR#19 TSIC	0%
18	AB EX 2"C, RC 6-DLC	0%
19	NEW 3"C, RR 12PR#19 TSIC, 8-4C DLC	13%
20	AB EX 2"C, RC 3-DLC	0%
21	AB EX 2"C, RR 12PR#19 TSIC	0%
22	NEW 2"C, RR 12PR#19 TSIC	9%
23	NEW 2"C, 2-DLC	4%
24	EX 2"C, 12PR#19 TSIC	9%
25	NEW 3"C, 4-4C DLC	9%
26	NEW 3"C, 3-4C DLC	7%
27	NEW 3"C, 3-#20C DLC	7%

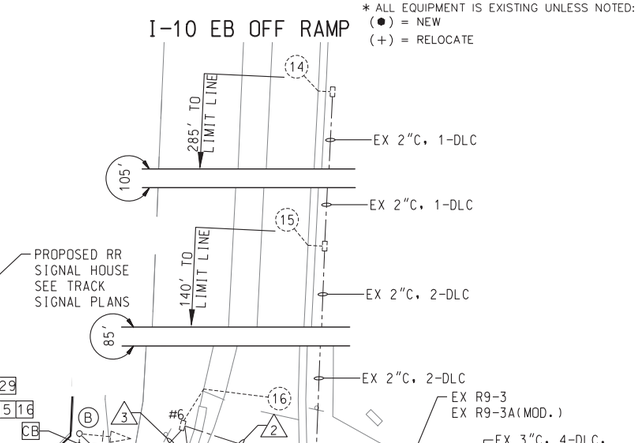
SIGNAGE REFERENCES:

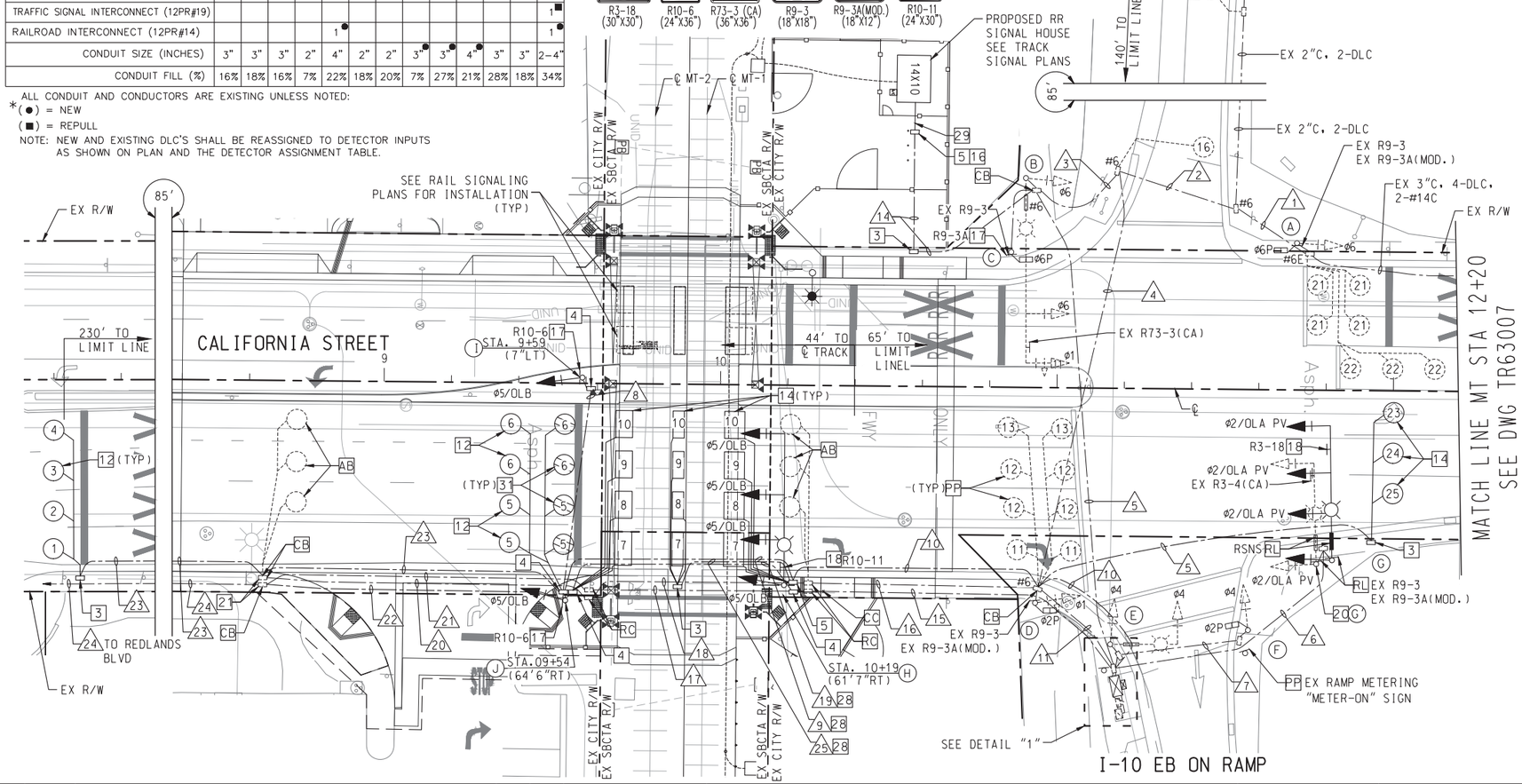
R3-18 (30"X30") · R10-6 (24"X36") · R73-3 (CA) (36"X36") · R9-3 (18"X18") · R9-3A(MOD.) (18"X12") · R10-11 (24"X30")

DETAIL 1



I-10 EB OFF RAMP





*POLE AND EQUIPMENT SCHEDULE

No.	STANDARD TYPE	HEIGHT	SIG. M.A.	LUM. M.A.	LED LUMINAIRE	SIG MTG VEHICLE		PED	PPB PHASE	POLE LOCATION A	B	RSNS	REMARKS
(A)	1-A	10'	–	–	–	–	TV-1-T	SP-1-T	ø6	EXISTING		–	–
(B)	61-5-100	30'	60'	15'	137W	2-MAS	SV-1-T	–	–	EXISTING		◄RTE 10 EAST	–
(C)	1-A	7'	–	–	–	–	–	SP-1-T	ø6	EXISTING		–	–
(D)	1-A	10'	–	–	–	–	TV-1-T	SP-1-T	–	EXISTING		–	–
(E)	17-2-100	30'	20'	15'	137W	1-MAS	SV-1-T	–	ø2	EXISTING		California St	–
(F)	1-A	10'	–	–	–	–	TV-1-T	SP-1-T	ø2	EXISTING		–	–
(G)	29-5-100	30'	40'	15'	137W	3-MAS	SV-1-T	–	–	-15'	6'3"	RTE 10 EAST►	+F=14', F2=12'
(H)	29-5-100	30'	55'	15'	137W	3-MAS	SV-1-T	–	–	SEE PLANS		–	F=18', F2=18'
(I)	1-A	7'	–	–	–	–	TV-1-T	–	–	SEE PLANS		–	VEHICLE HEAD BOTTOM 4'6"
(J)	15TS	30'	–	15'	137W	–	SV-1-T	–	–	6'6"	13'1"	–	–

NOTE: CONSTRUCT POLE STANDARDS TO CALTRANS 2015 STANDARDS. CONTRACTOR SHALL SUBMIT MATERIAL CUT SHEETS PRIOR TO ORDERING OF MATERIAL. POTHOLE ALL POLE LOCATIONS PRIOR TO ORDERING POLES.
* ALL EQUIPMENT IS EXISTING UNLESS NOTED:
(●) = NEW
(+) = RELOCATE

CALIFORNIA ST POSTED SPEED = 40 MPH

EXISTING POLES TO BE RS

(G)	19-3-80

CONSTRUCTION NOTES:

1 EXISTING TYPE 2070E CONTROLLER IN EXISTING TYPE 332 CABINET WITH EXISTING SIDE MOUNTED BBS CABINET. PROTECT IN PLACE. FURNISH AND INSTALL THE FOLLOWING EQUIPMENT IN CONTROLLER CABINET:
NEW (3) 252 AC ISOLATOR CARDS PER CALTRANS STANDARD PLANS ES-P1 AND ES-P2.
NEW McCAIN RAILROAD INTERFACE PANEL. TERMINATE RRIC.
NEW DYMEC KY-3170EMX-10 PORT GIGABIT ETHERNET SWITCH
NEW SIERRA WIRELESS AIRLINK MG90 ROUTER
NEW MODEL 2070-7G MODULE WITH WIRELESS MODEM ANTENNA AND GPS CABLE
NEW RENO A&E MODEL U-1400 VEHICLE DETECTOR UNITS WITH MODEL 805-8-S HARNESS AS NEEDED
NEW RENO A&E MODEL C-1000 VEHICLE DETECTOR UNITS AS NEEDED

2 EXISTING TYPE III SERVICE CABINET. PROTECT IN PLACE.

3 FURNISH AND INSTALL NEW #5 PULL BOX WITH TAMPER PROOF LID.

4 FURNISH AND INSTALL NEW #6 PULL BOX WITH TAMPER PROOF LID.

5 FURNISH AND INSTALL NEW #6E PULL BOX WITH TAMPER PROOF LID.

12 FURNISH AND INSTALL NEW 6' DIAMETER TYPE E LOOP DETECTOR PER CALTRANS REVISED STD. PLAN RSP ES-5B.

14 FURNISH AND INSTALL 4-WIRE WITH HEALTH PREFORMED LOOP DETECTOR.

15 TERMINATE 12PR#14 RAILROAD INTERCONNECT CABLE.

16 COIL 150' OF 12PR#14 RAILROAD INTERCONNECT CABLE IN PROPOSED PULL BOX. CONTRACTOR TO COMPLETE INSTALLATION.

17 FURNISH AND INSTALL SIGN ON TRAFFIC SIGNAL POLE AS SHOWN ON PLAN.

18 FURNISH AND INSTALL REGULATORY SIGN ON TRAFFIC SIGNAL MAST ARM AS SHOWN ON PLAN.

20 RS EXISTING TRAFFIC SIGNAL STANDARD. DEMO POLE FOUNDATION 36" BELOW FINISH GRADE

21 ADJUST EXISTING PULL BOX TO FINISH GRADE.

22 CONTRACTOR TO DISCONNECT EXISTING 12PR#19 TSIC CABLE, PULL BACK AND COIL EXISTING CABLE PAST EXTENTS OF CIVIL IMPROVEMENTS, ABANDON EXISTING CONDUIT AND RE-ROUTE THROUGH NEW CONDUIT TO CONTROLLER CABINET AND TERMINATE CABLE.

28 FURNISH AND INSTALL STEEL CASING PER SCRRA STANDARD PLAN 5001 FOR CONDUIT CROSSING UNDER TRACKS.

29 CONTRACTOR TO COORDINATE WITH RAIL SIGNALING CONTRACTOR FOR INSTALLATION, TERMINATION, AND ACTIVATION OF RAILROAD INTERCONNECT CABLE.

31 FURNISH AND INSTALL NEW MODIFIED TYPE E LOOP DETECTOR PER DETAIL E ON DWG TR63007.

32 RS EXISTING RRIC EQUIPMENT FROM CONTROLLER CABINET AND RRIC CABLE FROM CONDUIT BETWEEN CONTROLLER CABINET AND SIGNAL BUNGALOW. ABANDON RRIC CONDUIT AND PULL BOXES.

HYBRID PRE-SIGNAL

SCALE: 1"=20'

REV.	DATE	BY	SUB.	BS	CL	APP.

DESIGNED BY B. HANSEN
DRAWN BY B. HANSEN
CHECKED BY N. MINICILLI
APPROVED BY R. KLOVSKY
DATE 2-6-2019

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

STC TRAFFIC
5865 AVENIDA ENCINAS, #142-B
CARLSBAD, CA 92008
PH: 760-602-4290
WWW.STCTRAFFIC.COM

APPROVED: _____

REGISTERED PROFESSIONAL ENGINEER — NICHOLAS M. MINICILLI — NO. 74667 — CIVIL — STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

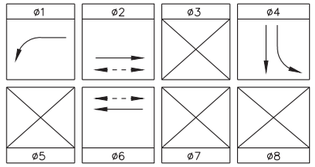
TRAFFIC SIGNAL PLAN
CALIFORNIA STREET AND I-10 EASTBOUND RAMPS (SHEET 1 OF 2)

CONTRACT NO. C15-1001093
DRAWING NO. TR63006
REVISION
SHEET NO.
SCALE HORIZ 1"=20'

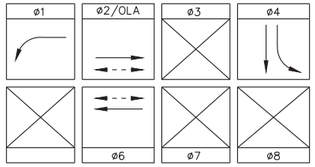
02/12/2019 2:48 PM brandon schlueter
s:\projects\hdr\0398_redlands passenger rail design project\07_engineering\cadd\div\26495-t4-tr63006.dwg
songs.ctb

DETECTOR ASSIGNMENT			
DETECTOR	PHASE	SLOT	FIELD TERMINAL
1	2 (5/OLB)	I2U	TB2 – 5&6
2	2 (5/OLB)	I2L	TB2 – 7&8
3	2 (5/OLB)	I3U	TB2 – 9&10
4	2 (5/OLB)	I3L	TB2 – 11&12
5	2 (5/OLB)	I4U	TB4 – 1&2
6	2 (5/OLB)	I5U	TB4 – 5&6
7	2 (5/OLB) CAVDS	I6U	TB4 – 9&10
8	2 (5/OLB) CAVDS	I6L	TB4 – 11&12
9	2 (5/OLB) CAVDS	I7U	TB6 – 1&2
10	2 (5/OLB) CAVDS	I7L	TB6 – 3&4
11	2 (2/OLA)	I8U	TB6 – 5&6
12	2 (2/OLA)	I9U	TB6 – 9&10
13	2 (2/OLA)	I9L	TB6 – 11&12
14	4	J1U	TB3 – 1&2
15	4	J2U	TB3 – 5&6
16	4	J2L	TB3 – 7&8
17	6	J3U	TB3 – 9&10
18	6	J3L	TB3 – 11&12
19	6	J4U	TB5 – 1&2
20	6	J5U	TB5 – 5&6
21	6	J6U	TB5 – 9&10
22	1	I1U	TB2 – 1&2
23	2 (5/OLB) CAVDS	J7U	TB6 – 1&2
24	2 (5/OLB) CAVDS	J7L	TB6 – 3&4
25	2 (5/OLB) CAVDS	J8U	TB7 – 5&6
PPB	2	I12U	TB8 – 4&6
PPB	6	I13U	TB8 – 7&9
FLASH SENSE	–	I14U	TB8 – 10&12

EXISTING PHASE DIAGRAM



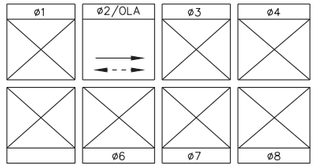
PROPOSED PHASE DIAGRAM



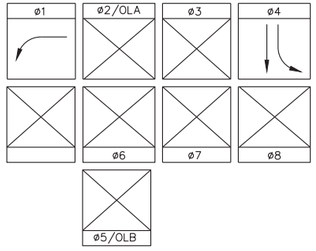
ø5/OLB

NOTE: PHASE 2/OLA SHALL TERMINATE SEQUENTIALLY FOLLOWING PHASE 5/OLB.

RAILROAD PREEMPTION TRACK CLEAR

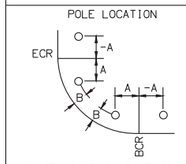


RAILROAD PREEMPTION LIMITED SERVICE



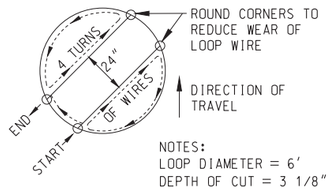
ADV = 32 SECONDS

POLE LOCATION DETAIL



EXACT LOCATION BY ENGINEER IN THE FIELD

DETAIL E



NOTES:
LOOP DIAMETER = 6'
DEPTH OF CUT = 3 1/8"

MODIFIED TYPE E FRONT DETECTOR FOR BICYCLES AND VEHICLES
N.T.S.

RAILROAD INTERCONNECT CIRCUITS:

TCR = ADVANCE PREEMPTION - TRANSFER ROW TO TRACK CLEARANCE GREEN INTERVAL

SUP = SUPERVISION - CHECKS THE INTEGRITY OF THE TCR CIRCUIT.

XR = CROSSING ACTIVE - INDICATES GRADE CROSSING WARNING SYSTEM IS ACTIVE.

GD/ISL = GATE DOWN/ISLAND - EXTEND TRACK CLEARANCE GREEN INTERVAL UNTIL GD/ISL INPUT IS RECEIVED AND CROSSING AREA VEHICLE DETECTION IS NOT OCCUPIED.

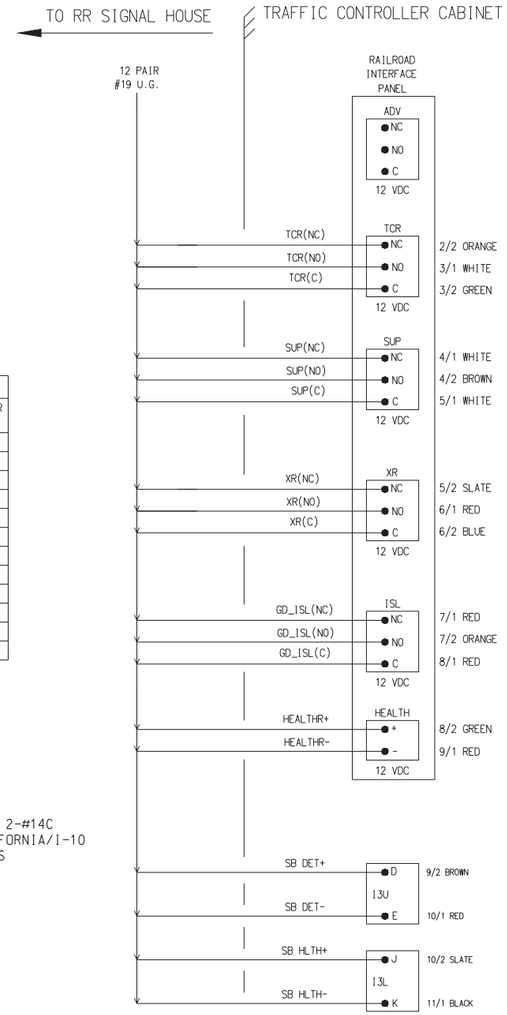
HEALTH = INDICATES TO RAILROAD TRAFFIC SIGNAL IS IN HARDWARE FLASH OR THERE'S A POWER OUTAGE.

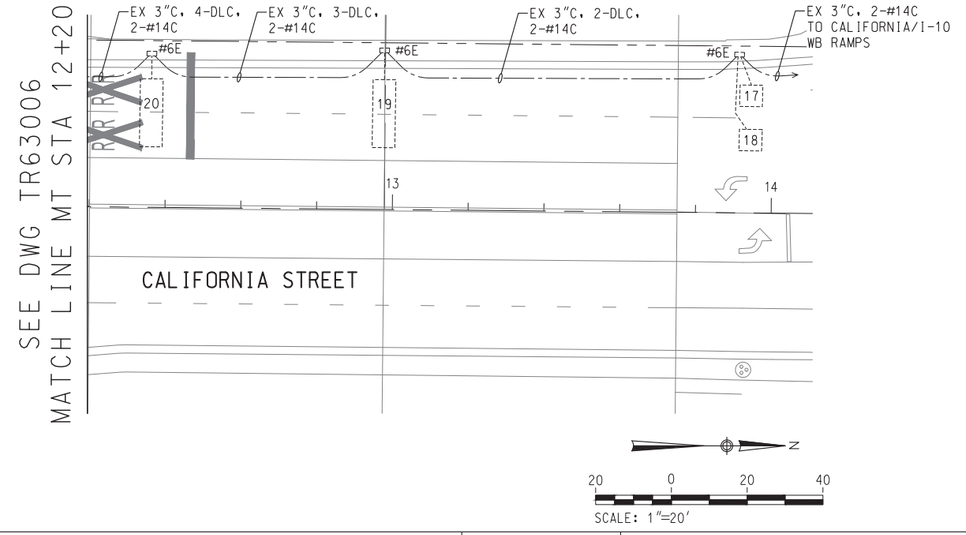
DET = EXIT GATE - CROSSING AREA VEHICLE DETECTION OCCUPANCY INFORMATION ONLY.

COLOR CODE CHART		
PAIR NO.	MAJOR COLOR (WIRE #1)	MINOR COLOR (WIRE #2)
#1	WHITE	BLUE
#2	WHITE	ORANGE
#3	WHITE	GREEN
#4	WHITE	BROWN
#5	WHITE	SLATE
#6	RED	BLUE
#7	RED	ORANGE
#8	RED	GREEN
#9	RED	BROWN
#10	RED	SLATE
#11	BLACK	BLUE
#12	BLACK	ORANGE

PAIR NO. 1/1 WIRE NO.

RAILROAD INTERCONNECT CIRCUIT DIAGRAM





REV.	DATE		BY	SUB.	APP.	DESIGNED BY	B. HANSEN
						DRAWN BY	B. HANSEN
						CHECKED BY	N. MINICILLI
						APPROVED BY	R. KLOVSKY
						DATE	5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

STC TRAFFIC
5865 AVENIDA ENCINAS, #142-B
CARLSBAD, CA 92008
PH: 760-602-4290
WWW.STCTRAFFIC.COM

APPROVED: _____

REGISTERED PROFESSIONAL ENGINEER — NICHOLAS M. MINICILLI — NO. 74667 — CIVIL — STATE OF CALIFORNIA

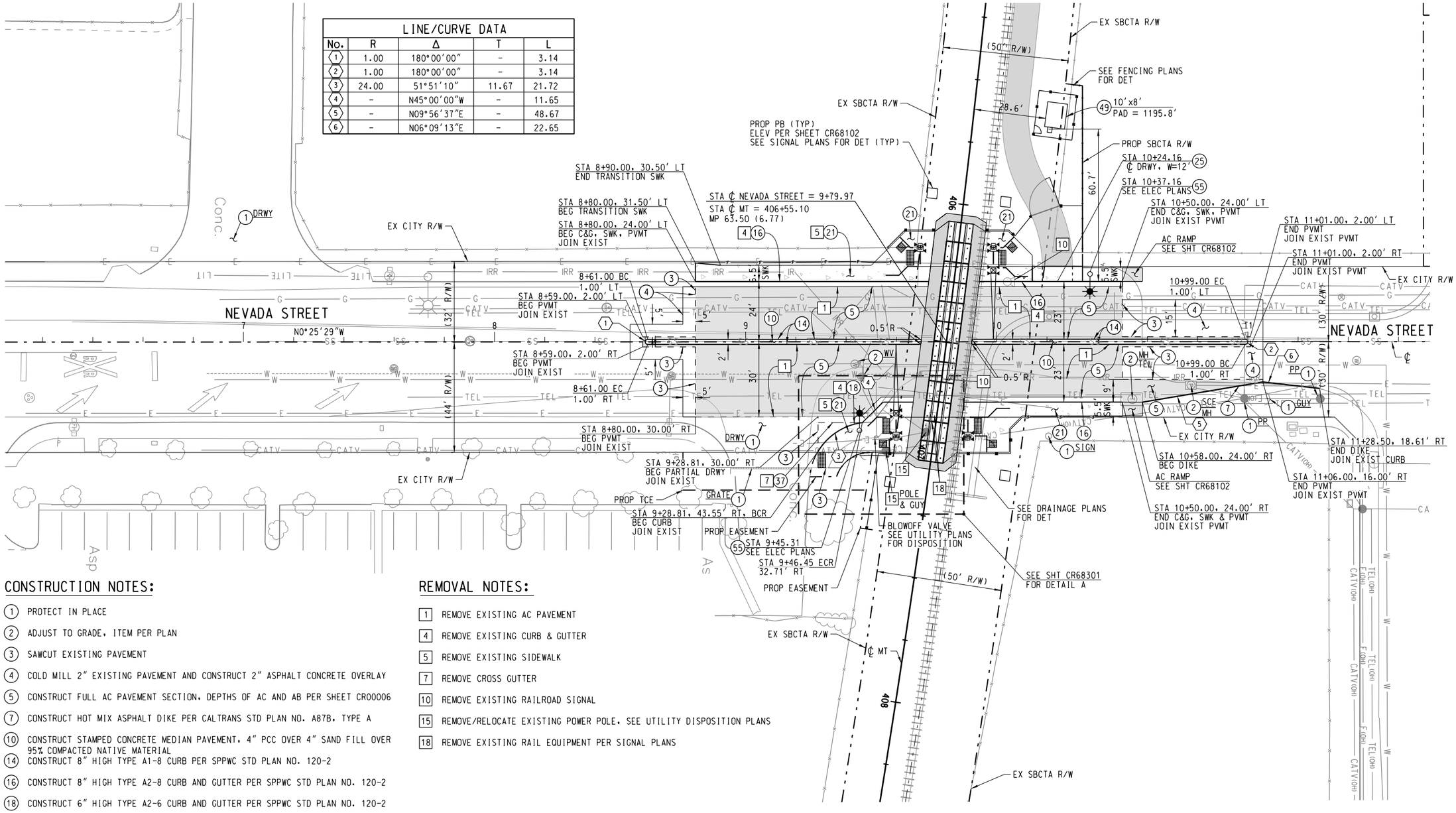
REDLANDS PASSENGER RAIL PROJECT

TRAFFIC SIGNAL PLAN
CALIFORNIA STREET AND I-10 EASTBOUND RAMPS (SHEET 2 OF 2)

CONTRACT NO.	C15-1001093
DRAWING NO.	TR63007
REVISION	SHEET NO.
SCALE	NTS

04/27/2018 2:48 PM brandon schlueter
s:\projects\hdr\0398_redlands passenger rail design project\07_engineering\cadd\dlv\26495-14-tr63007.dwg
sonda_prp1.ctb

LINE/CURVE DATA				
No.	R	Δ	T	L
1	1.00	180°00'00"	-	3.14
2	1.00	180°00'00"	-	3.14
3	24.00	51°51'10"	11.67	21.72
4	-	N45°00'00"W	-	11.65
5	-	N09°56'37"E	-	48.67
6	-	N06°09'13"E	-	22.65



CONSTRUCTION NOTES:

(1) PROTECT IN PLACE

(2) ADJUST TO GRADE, ITEM PER PLAN

(3) SAWCUT EXISTING PAVEMENT

(4) COLD MILL 2" EXISTING PAVEMENT AND CONSTRUCT 2" ASPHALT CONCRETE OVERLAY

(5) CONSTRUCT FULL AC PAVEMENT SECTION, DEPTHS OF AC AND AB PER SHEET CR00006

(7) CONSTRUCT HOT MIX ASPHALT DIKE PER CALTRANS STD PLAN NO. A87B, TYPE A

(10) CONSTRUCT STAMPED CONCRETE MEDIAN PAVEMENT, 4" PCC OVER 4" SAND FILL OVER 95% COMPACTED NATIVE MATERIAL

(14) CONSTRUCT 8" HIGH TYPE A1-8 CURB PER SPPWC STD PLAN NO. 120-2

(16) CONSTRUCT 8" HIGH TYPE A2-8 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2

(18) CONSTRUCT 6" HIGH TYPE A2-6 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2

(21) CONSTRUCT 4" PCC SIDEWALK PER SPPWC STD PLAN NO. 112-2 AND 113-2, AND PER DETAIL A SHEET CR00006

(25) CONSTRUCT DRIVEWAY FOR MAINTENANCE ACCESS PER SCRRA ENGINEERING STD ES4011

(37) CONSTRUCT DRIVEWAY PER SPPWC STD PLAN NO. 110-2, TYPE C

(49) INSTALL SIGNAL HOUSE

(55) INSTALL STREET LIGHT PER ELECTRICAL PLANS

REMOVAL NOTES:

[1] REMOVE EXISTING AC PAVEMENT

[4] REMOVE EXISTING CURB & GUTTER

[5] REMOVE EXISTING SIDEWALK

[7] REMOVE CROSS GUTTER

[10] REMOVE EXISTING RAILROAD SIGNAL

[15] REMOVE/RELOCATE EXISTING POWER POLE, SEE UTILITY DISPOSITION PLANS

[18] REMOVE EXISTING RAIL EQUIPMENT PER SIGNAL PLANS

REGISTERED PROFESSIONAL ENGINEER
CHARLES CHRISTOPLIS
No. 045570
CIVIL
STATE OF CALIFORNIA

DOT 027232T, CPUC 101 SG-63.50

20 0 20 40
SCALE: 1"=20'

REV.	DATE		BY	SUB.	APP.
			TJ		SG

DESIGNED BY J. SONG
DRAWN BY J. KUO
CHECKED BY J. BROWN
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

REGISTERED PROFESSIONAL ENGINEER
JIANHENG SONG
No. 71849
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
NEVADA STREET – MP 63.50 (6.77)
LAYOUT

CONTRACT NO. 17-1001705
DRAWING NO. CR68101
REVISION | SHEET NO.
SCALE 1"=20'
105 of 359

1/15/2019 11:08:53 AM
J:\OMAP-INP\CSO1\CS1of\PDF\3038\990937_80\264\95-06-CR68101.DGN
Workingset: CSAN_Workingset
LT: CSAN_Color_Table.tbl
P:\Program Files (x86)\Common Files\InterPlot\VPLOT\bin\plotdrvm.plt

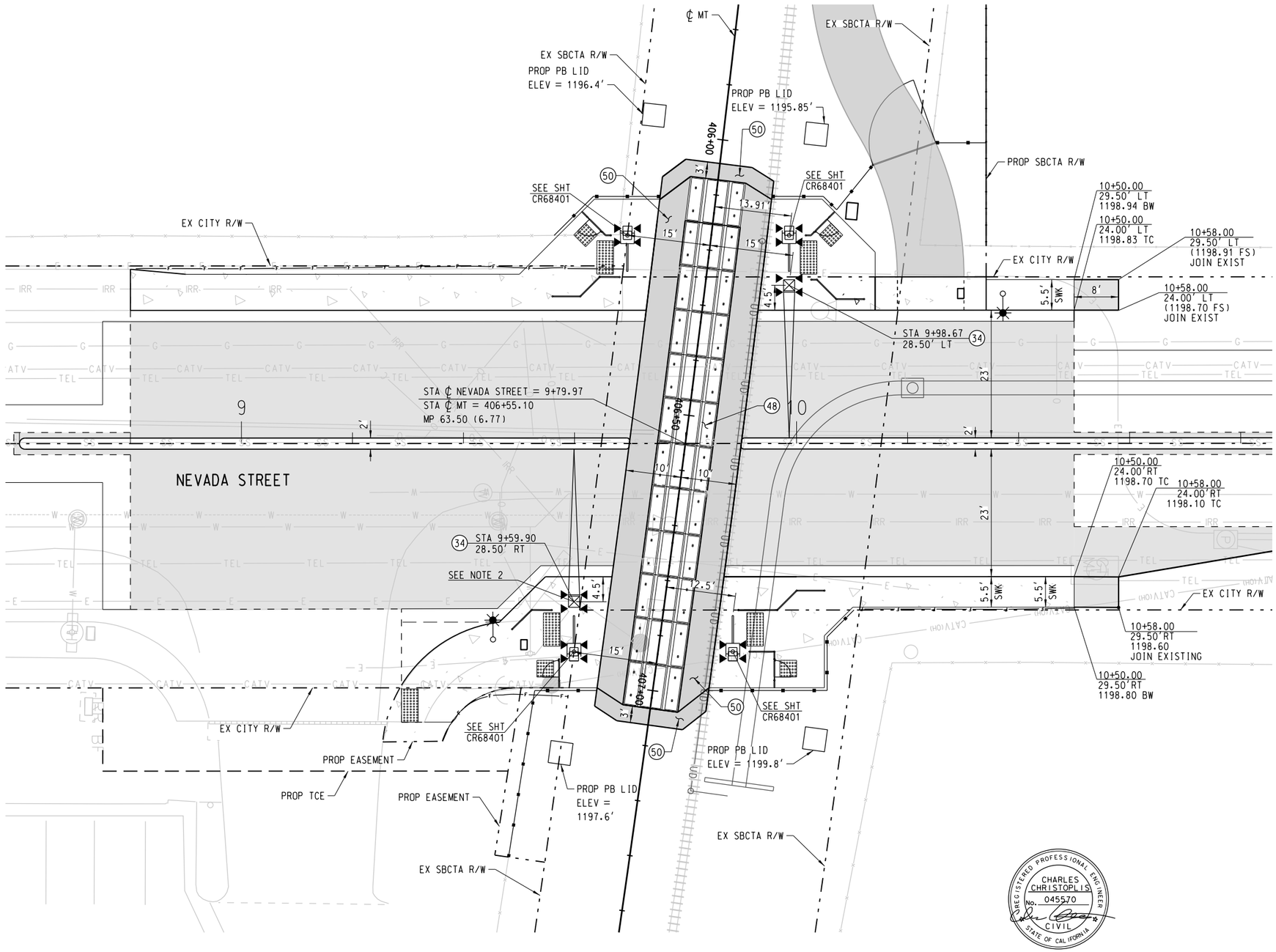
Redlands Regular Meeting of 09-20-2022

CONSTRUCTION NOTES:

(34) INSTALL CPUC STD NO. 9 ACTIVE WARNING DEVICE PER SCRRA ENGINEERING STD ES8300
(48) INSTALL PRECAST CONCRETE PANELS PER SCRRA ENGINEERING STD ES4201, LAYOUT PER TRACK PLANS
(50) CONSTRUCT ASPHALT CONCRETE PAVEMENT AND RAMP PER SCRRA ENGINEERING STD ES4201

NOTES:

1. PEDESTRIAN FACILITIES AT VEHICLE CROSSINGS SHALL COMPLY WITH SCRRA ENGINEERING STANDARDS ES4011 AND ES4012, WHICHEVER IS APPLICABLE.
2. PROTECT UTILITY - HAND DIG OR POTHOLE EXISTING UTILITY LINE.



CHARLES CHRISTOPLIS
No. 045570
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

10 0 10 20
SCALE: 1"=10'

REV.	DATE		BY	SUB.	APP.
			TJ		SG

DESIGNED BY	J. SONG
DRAWN BY	J. KUO
CHECKED BY	J. BROWN
APPROVED BY	R. KLOVSKY
DATE	5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

JIANSHENG SONG
No. 71849
Exp. 12/31/19
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

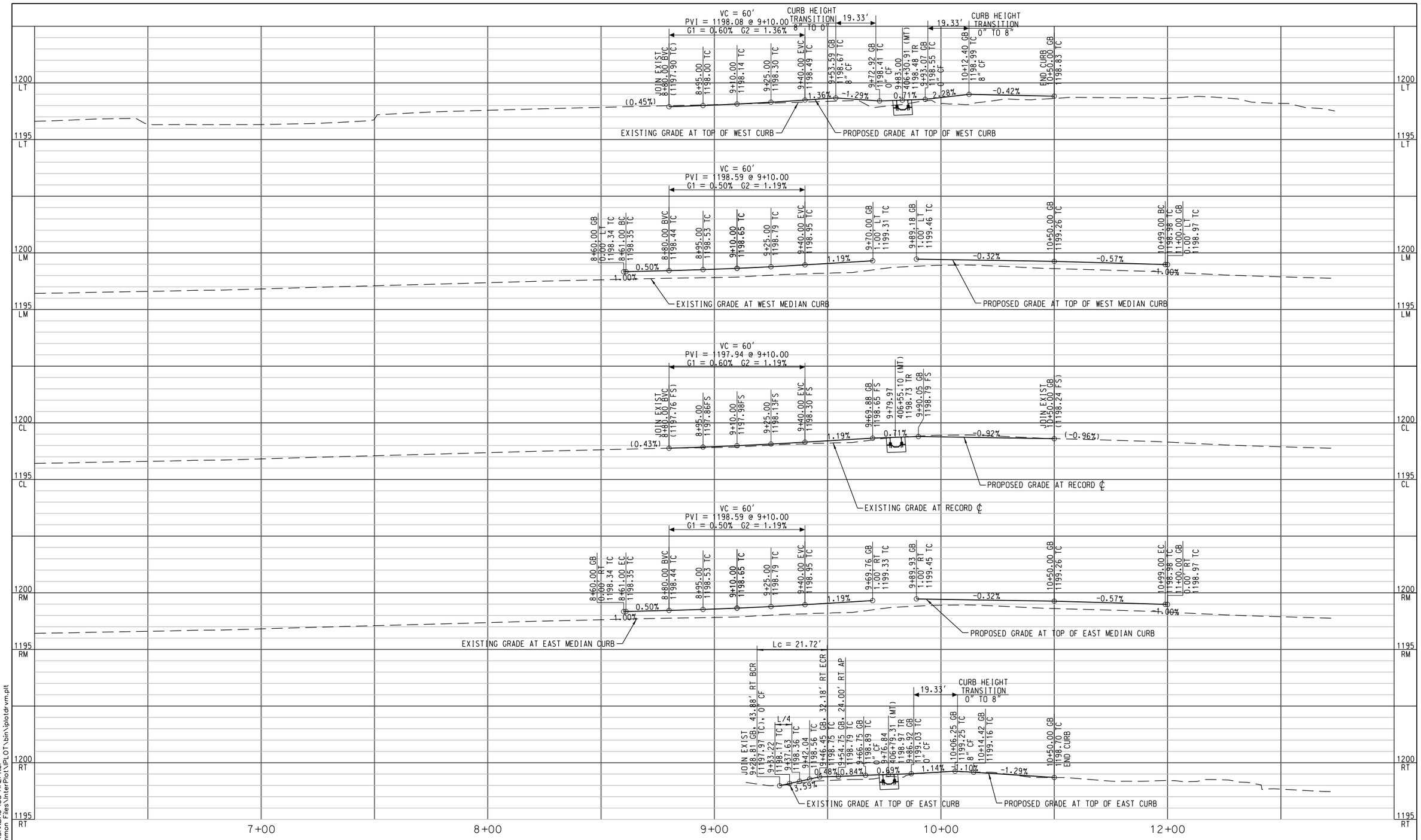
ROADWAY IMPROVEMENT
NEVADA STREET – MP 63.50 (6.77)
GRADE CROSSING LAYOUT

CONTRACT NO.	17-1001705
DRAWING NO.	CR68102
REVISION	SHEET NO.
SCALE	1"=10'

106 of 359

Redlands Regular Meeting - 09-20-2022

1/15/2019 11:09:44 AM
OMAP-INPICS02$
C:\Program Files (x86)\Common Files\InterPlot\IPLOT\bin\plotdrvm.plt
C:\Users\jsong\Desktop\CR68102_NEVADA ST_MP 63.50 (6.77)_GRADE CROSSING LAYOUT_R1.DGN
OMAP-INPICS01\CS1$\PDF\3038\990937-81\26495-06-CR68102.DGN



OMAP-INPICS02$

1/15/2019 11:12:56 AM
\\OMAP-INPICS01\CS1$\PDF\3039\990937_82126495-06-CR68201.DGN
User:jsong Date/Time: 1/15/2019 11:12:56 AM
Design Files (US Units)
\\OMAP-INPICS01\CS1$\Program Files (x86)\Common Files\InterPlot\PLOT\bin\ploldrvm.plt

REV.	DATE		BY	SUB.	APP.
			TJ		SG

DESIGNED BY	J. SONG
DRAWN BY	J. KUO
CHECKED BY	J. BROWN
APPROVED BY	R. KLOVSKY
DATE	5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

REGISTERED PROFESSIONAL ENGINEER
JIANHENG SONG
No. 71849
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
NEVADA STREET – MP 63.50 (6.77)
PROFILE

CONTRACT NO.	17-1001705
DRAWING NO.	CR68201
REVISION	SHEET NO.
SCALE	107 of 359
	HORIZ 1"=20'
	VERT 1"=4'

CONSTRUCTION NOTES:

(3) SAWCUT EXISTING PAVEMENT

(4) COLD MILL 2" EXISTING PAVEMENT AND CONSTRUCT 2" ASPHALT CONCRETE OVERLAY

(5) CONSTRUCT FULL AC PAVEMENT SECTION, DEPTHS OF AC AND AB PER SHEET CR00006

(10) CONSTRUCT STAMPED CONCRETE MEDIAN PAVEMENT, 4" PCC OVER 4" SAND FILL OVER 95% COMPACTED NATIVE MATERIAL

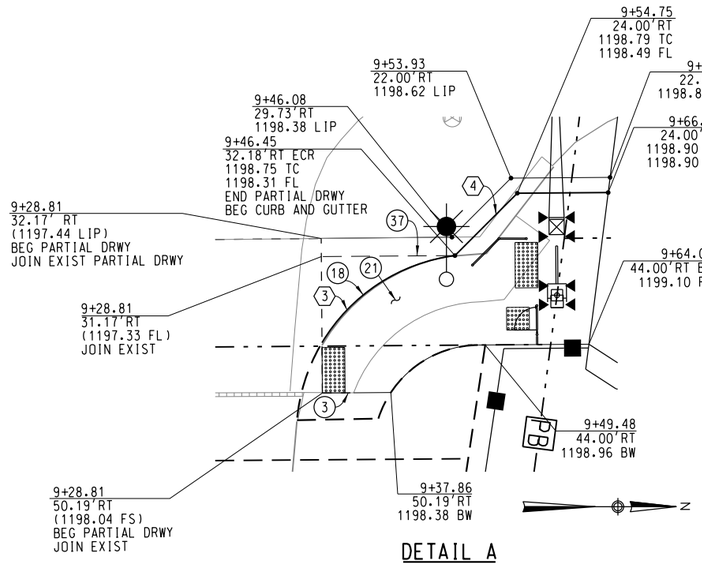
(14) CONSTRUCT 8" HIGH TYPE A1-8 CURB PER SPPWC STD PLAN NO. 120-2

(16) CONSTRUCT 8" HIGH TYPE A2-8 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2

(18) CONSTRUCT 6" HIGH TYPE A2-6 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2

(21) CONSTRUCT 4" PCC SIDEWALK PER SPPWC STD PLAN NO. 112-2 AND 113-2, AND PER DETAIL A SHEET CR00006

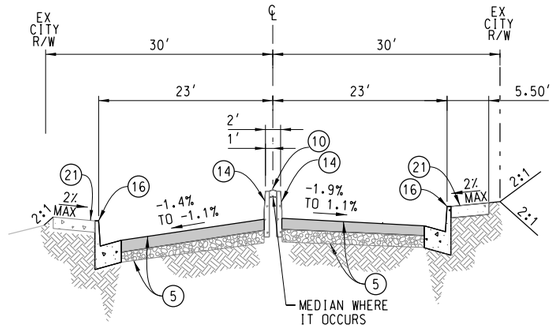
(37) CONSTRUCT DRIVEWAY PER SPPWC STD PLAN NO. 110-2, TYPE C



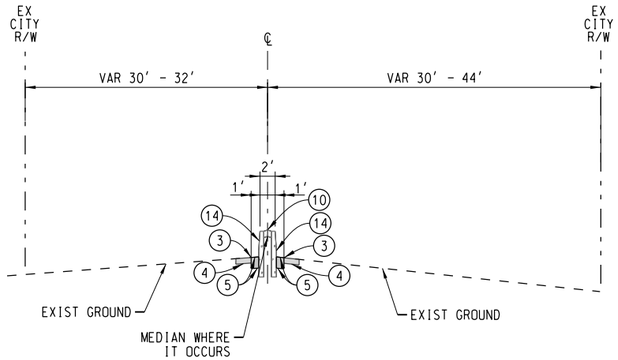
DETAIL A

STA. 9+25.44 TO 9+66.75 RT
NTS

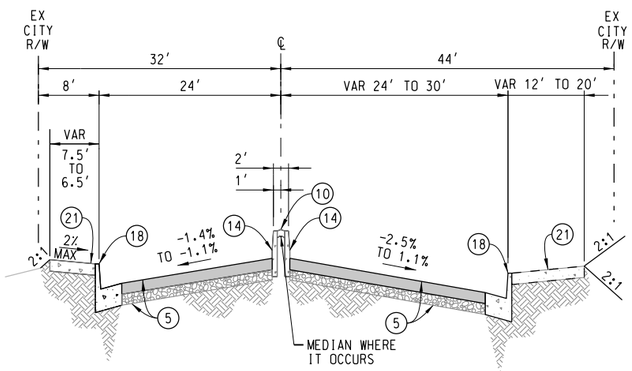
CURVE DATA				
	R	△	T	L
(3)	24.00'	51°51'10"	11.67	21.72
(4)	-	N45°00'00"W	-	11.65



NEVADA STREET
NORTH OF CROSSING



NEVADA STREET



NEVADA STREET
SOUTH OF CROSSING

REGISTERED PROFESSIONAL ENGINEER
CHARLES CHRISTOPLIS
No. 045570
CIVIL
STATE OF CALIFORNIA

REV.	DATE		BY	SUB.	APP.
			TJ		SG

DESIGNED BY J. SONG
DRAWN BY J. KUO
CHECKED BY J. BROWN
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

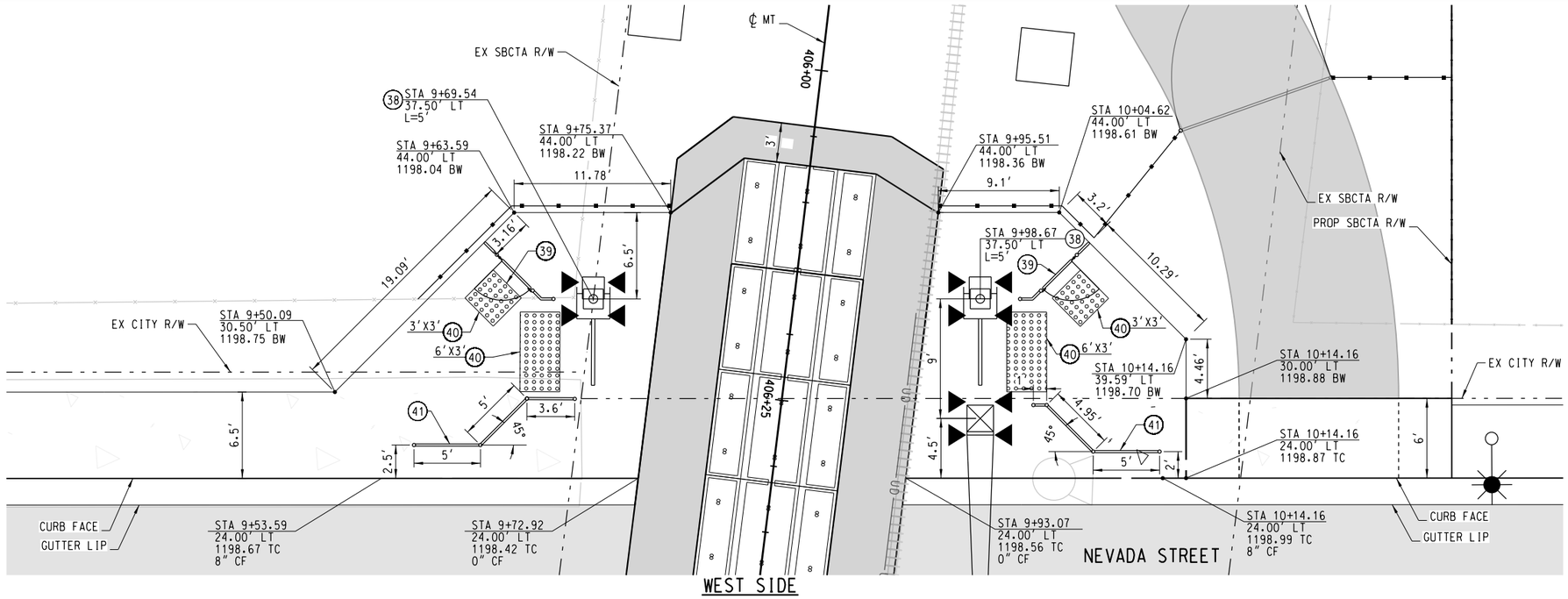
REGISTERED PROFESSIONAL ENGINEER
JIANSHENG SONG
No. 71849
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

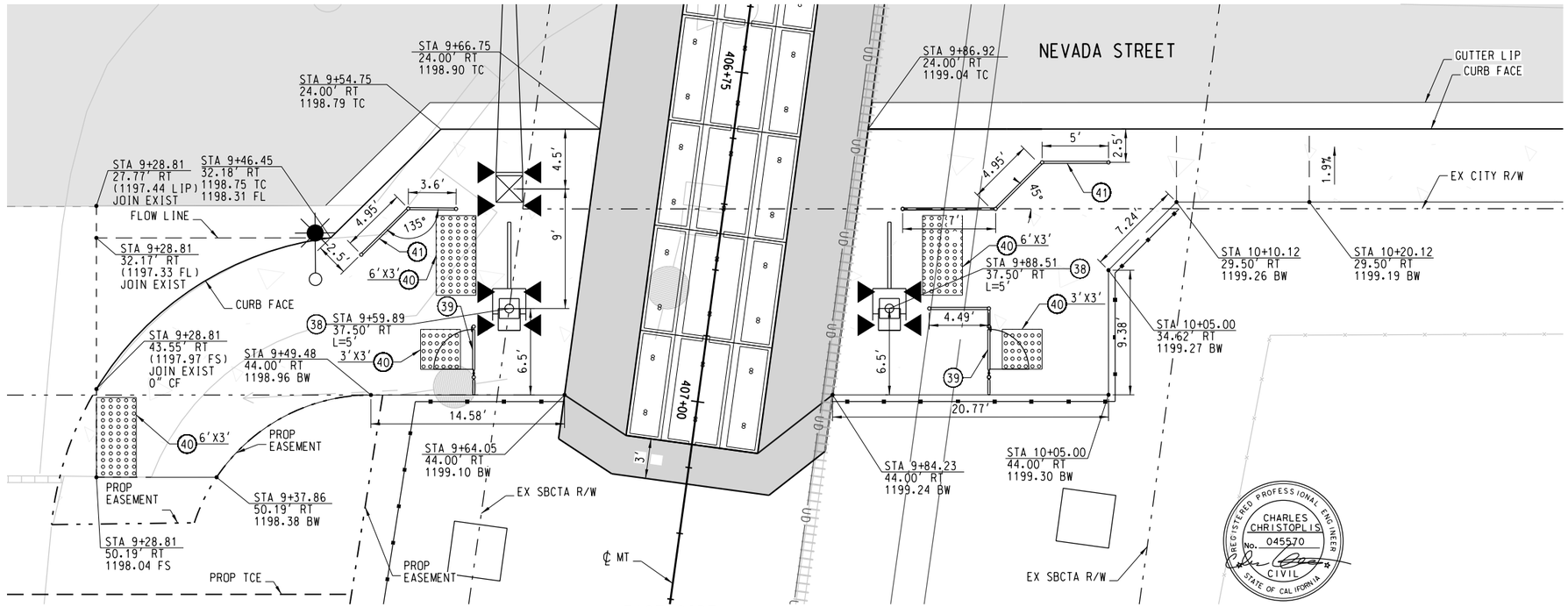
REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
NEVADA STREET – MP 63.50 (6.77)
TYPICAL SECTION & CONSTRUCTION DETAILS

CONTRACT NO. 17-1001705
DRAWING NO. CR68301
REVISION | SHEET NO.
SCALE 1"=10'

1/15/2019 11:13:04 AM
OMAP-INPICS01\CGSforPDF\3038\990937_83\26495-06-CR68301.DGN
OMAP-INPICS02$
C:\Program Files (x86)\Common Files\InterPlot\IPLOT\bin\iplotdrvm.plt





CONSTRUCTION NOTES:

(38) INSTALL CPUC STD NO. 9 PEDESTRIAN AUTOMATIC WARNING DEVICE WITH GATE ARM PER SCRRA ENGINEERING STD ES8300, LENGTH PER PLAN

(39) INSTALL PEDESTRIAN SWING GATE PER SCRRA ENGINEERING STD ES4002, LAYOUT PER PLAN AND AS MODIFIED BY NOTE 3.

(40) INSTALL ADA DETECTABLE WARNING SURFACE (RAISED TRUNCATED DOME), DIMENSIONS PER PLAN

(41) INSTALL METAL HAND RAILING PER SCRRA ENGINEERING STD ES4005

NOTES:

1. PEDESTRIAN FACILITIES AT VEHICLE CROSSINGS SHALL COMPLY WITH SCRRA ENGINEERING STANDARDS ES4011 AND ES4012, WHICHEVER IS APPLICABLE.
2. SEE ROADWAY LAYOUT SHEET FOR STATIONING.
3. BEGIN/END PEDESTRIAN SWING GATE ASSEMBLY/ ACCOMPANYING HAND RAILINGS AT 3 FEET FROM CENTER OF PEDESTRIAN GATE ARM POLE, UNLESS NOTED OTHERWISE.

N

5 0 5 10

SCALE: 1"=5'-0"

REGISTERED PROFESSIONAL ENGINEER
CHARLES CHRISTOPLIS
No. 045570
CIVIL
STATE OF CALIFORNIA

REV.	DATE		BY	SUB.	APP.
			TJ		SG

DESIGNED BY J. SONG
DRAWN BY J. KUO
CHECKED BY J. BROWN
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

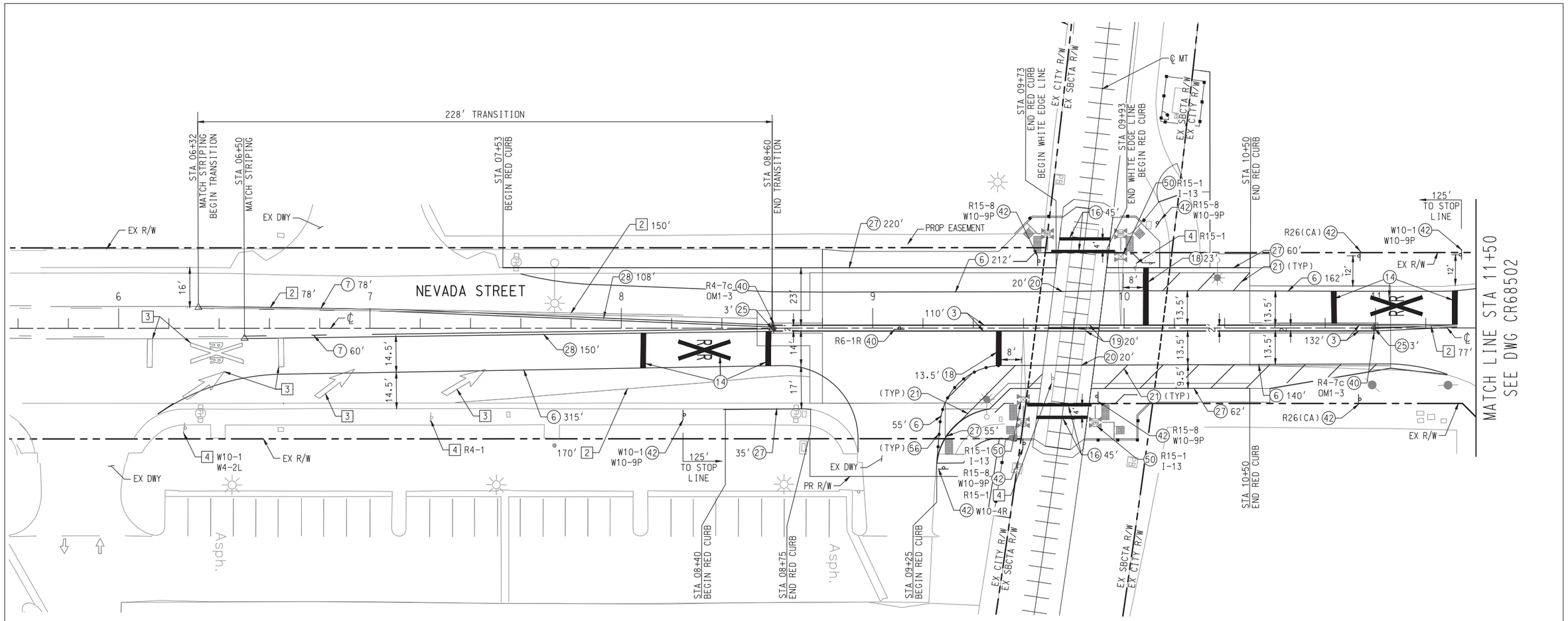
REGISTERED PROFESSIONAL ENGINEER
JIANSHENG SONG
No. 71849
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

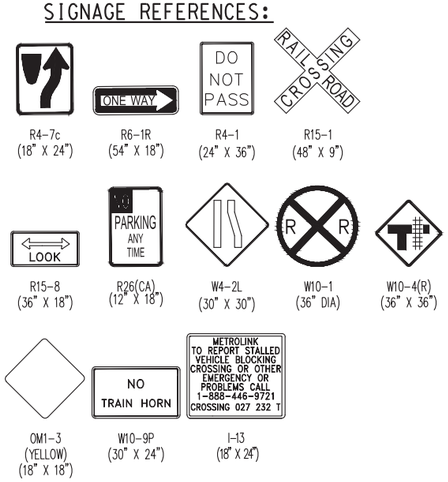
ROADWAY IMPROVEMENT
NEVADA STREET – MP 63.50 (6.77)
GRADE CROSSING DETAILS

CONTRACT NO. 17-1001705
DRAWING NO. CR68401
REVISION | SHEET NO.
SCALE 1"=5'

1/15/2019 11:13:42 AM OMAP-INPICS02$
I:\OMAP-INPICS02\VOL1\PDF\3038\390937_84 \26495-06-CR68401.DGN
I:\Working\Survey\2017\SAN BERNARDINO\CIVIL\HALL\
C:\Program Files (x86)\Common Files\InterPlot\INPLOT\bin\iplotdrvm.plt
Redlands Regular Meeting - 09-20-2022



SIGNAGE REFERENCES:



CONSTRUCTION NOTES:

(3) APPLY 6″ SOLID YELLOW EDGE LINE AROUND MEDIAN PER CALTRANS 2015 STD PLAN A20B, DETAIL 24.
(6) APPLY 6″ SOLID WHITE EDGE LINE PER CALTRANS 2015 STD PLAN A20B, DETAIL 27B.
(7) APPLY 6″ YELLOW TWO-WAY LEFT TURN LANE LINES WITH RPMS PER CALTRANS 2015 STD PLAN A20B, DETAIL 32.
(14) APPLY THERMOPLASTIC RAILROAD CROSSING SYMBOL PAVEMENT MARKING PER CALTRANS 2015 STD PLAN A24B, AND CA MUTCD FIGURES 8B-6 AND 8B-7.
(16) APPLY 12″ SOLID THERMOPLASTIC WHITE CROSSWALK LINE OR LIMIT LINE PER CALTRANS 2015 STD PLAN A24E.
(18) APPLY 24″ WHITE THERMOPLASTIC STOP LINE PER CA MUTCD SECTION 8B.28.
(19) APPLY 6″ DOUBLE YELLOW MEDIAN LINES WITH RPMS SPACED 4′ OC PER METROLINK STD PLAN 4015.
(20) APPLY 6″ WHITE EDGE LINE WITH RPMS SPACED 4′ OC.
(21) APPLY 4″ SOLID WHITE DIAGONAL STRIPE AT 10′ OC.
(25) PAINT MEDIAN NOSE YELLOW WITH TYPE "D" RPMS 2′ OC.
(27) PAINT CURB RED.
(28) APPLY 6″ DOUBLE YELLOW LINES WITH RPMS PER CALTRANS STD PLAN A20B, DETAIL 29.
(40) INSTALL SIGN AND POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE 3.5′ ABOVE FINISH SURFACE.
(42) INSTALL SIGN AND POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE A MINIMUM 7′ ABOVE FINISHED GRADE.
(50) INSTALL SIGN ON EXISTING GATE MECHANISM.
(56) INSTALL WHITE CLASS 1 FLEXIBLE POST DELINEATORS AT 5′ OC PER CALTRANS 2015 STD PLAN A73C.

REMOVAL NOTES:

[2] REMOVE EXISTING STRIPING BY GRINDING AND APPLYING SLURRY PATCH.
[3] REMOVE EXISTING PAVEMENT MARKING BY GRINDING AND APPLYING SLURRY SQUARE PATCH.
[4] REMOVE EXISTING SIGN AND POST.

GENERAL NOTES:

NEVADA STREET SPEED LIMIT 40 MPH.

SEE CIVIL SHEETS FOR CURB, RAMP, MEDIAN AND SIDEWALK IMPROVEMENTS

N
20 0 20 40
SCALE: 1″=20′

REV.	DATE	BY	SUB.	APP.

DESIGNED BY B. SCHLUETER
DRAWN BY B. SCHLUETER
CHECKED BY N. MINICILLI
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

STC TRAFFIC
5865 AVENIDA ENCINAS, #142-B
CARLSBAD, CA 92008
PH: 760-602-4290
WWW.STCTRAFFIC.COM

APPROVED: _____

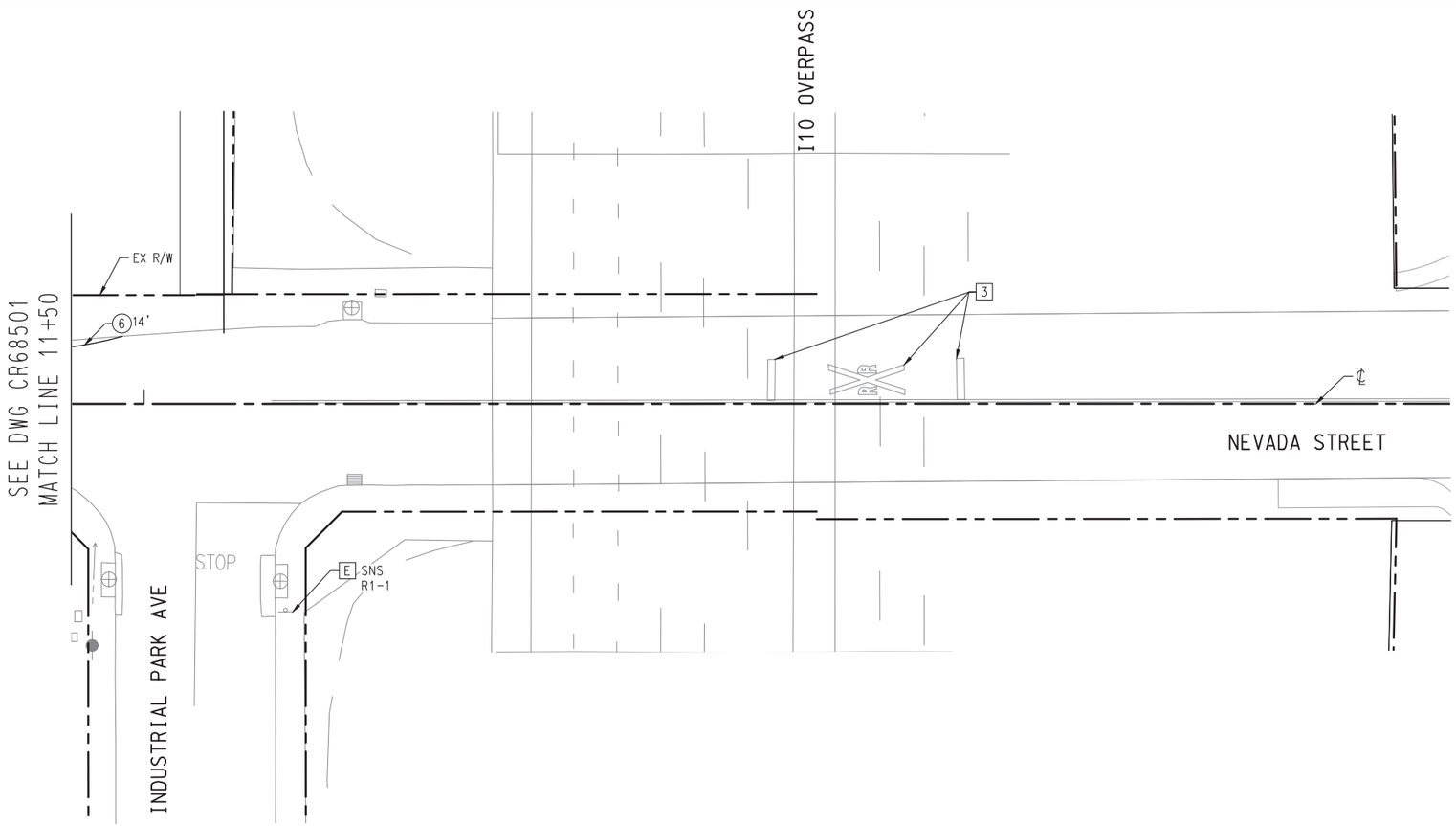
REGISTERED PROFESSIONAL ENGINEER — NICHOLAS M. MINICILLI — NO. 74667 — CIVIL — STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
NEVADA STREET - MP 63.50 (6.77)
SIGNING AND STRIPING (SHEET 1 OF 2)

CONTRACT NO. C15-1001093
DRAWING NO. CR68501
REVISION | SHEET NO.
SCALE HORIZ 1″=20′

02/7/2019 2:48 PM brandon schlueter
s:\projects\hdr\0398_redlands passenger rail design project\07_engineering\cadd\div\go88b cpuc\26495-06-cr68501.dwg
sd88b.ctb



CONSTRUCTION NOTES:

(6) APPLY 6" SOLID WHITE EDGE LINE PER CALTRANS 2015 STD PLAN A20B, DETAIL 27B.

REMOVAL NOTES:

[3] REMOVE EXISTING PAVEMENT MARKING BY GRINDING AND APPLYING SLURRY SQUARE PATCH.

[E] EXISTING TO REMAIN.

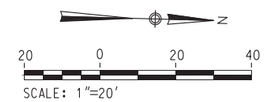
GENERAL NOTES:

NEVADA STREET SPEED LIMIT 40 MPH.

SIGNAGE REFERENCES:



R1-1
(36" X 36")



SCALE: 1"=20'

REV.	DATE		BY	SUB.	APP.

DESIGNED BY B. SCHLUETER
DRAWN BY B. SCHLUETER
CHECKED BY N. MINICILLI
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

STC TRAFFIC
5865 AVENIDA ENCINAS, #142-B
CARLSBAD, CA 92008
PH: 760-622-4290
WWW.STCTRAFFIC.COM

APPROVED: _____

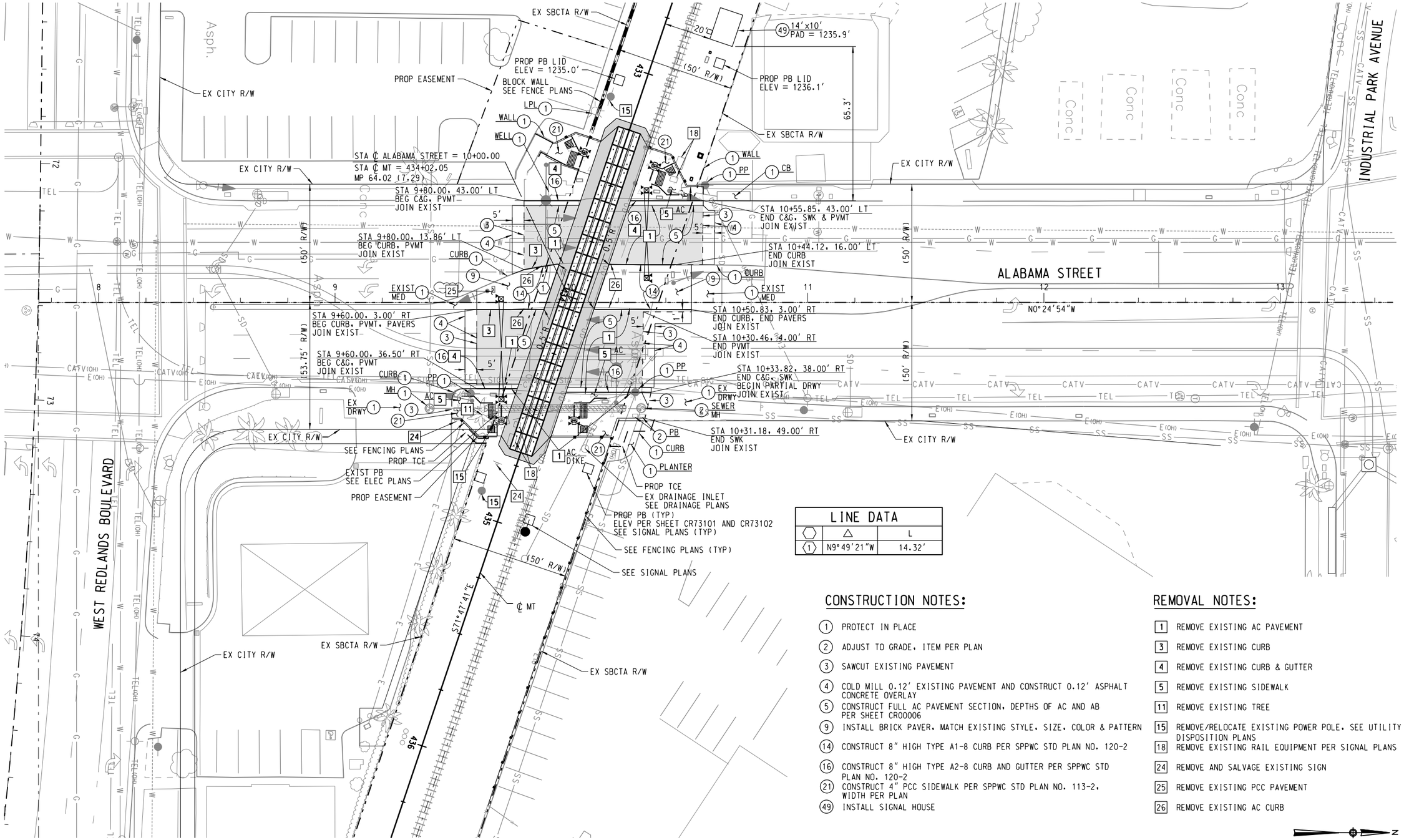
REGISTERED PROFESSIONAL ENGINEER — NATHAN M. MINICILLI — NO. 74667 — CIVIL — STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
NEVADA STREET - MP 63.50 (6.77)
SIGNING AND STRIPING (SHEET 2 OF 2)

CONTRACT NO. C15-1001093
DRAWING NO. CR68502
REVISION | SHEET NO.
SCALE HORIZ 1"=20'

02/22/2019 2:48 PM brandon schlueter
s:\projects\hdr\0398_redlands passenger rail design project\07_engineering\cadd\dlv\go88b cpuc\26495-06-cr68502.dwg
sonstg.stb



LINE DATA		
	△	L
1	N9°49'21"W	14.32'

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST TO GRADE, ITEM PER PLAN
3. SAWCUT EXISTING PAVEMENT
4. COLD MILL 0.12' EXISTING PAVEMENT AND CONSTRUCT 0.12' ASPHALT CONCRETE OVERLAY
5. CONSTRUCT FULL AC PAVEMENT SECTION, DEPTHS OF AC AND AB PER SHEET CR00006
9. INSTALL BRICK PAVER, MATCH EXISTING STYLE, SIZE, COLOR & PATTERN
14. CONSTRUCT 8" HIGH TYPE A1-8 CURB PER SPPWC STD PLAN NO. 120-2
16. CONSTRUCT 8" HIGH TYPE A2-8 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2
21. CONSTRUCT 4" PCC SIDEWALK PER SPPWC STD PLAN NO. 113-2, WIDTH PER PLAN
49. INSTALL SIGNAL HOUSE

REMOVAL NOTES:

1. REMOVE EXISTING AC PAVEMENT
3. REMOVE EXISTING CURB
4. REMOVE EXISTING CURB & GUTTER
5. REMOVE EXISTING SIDEWALK
11. REMOVE EXISTING TREE
15. REMOVE/RELOCATE EXISTING POWER POLE, SEE UTILITY DISPOSITION PLANS
18. REMOVE EXISTING RAIL EQUIPMENT PER SIGNAL PLANS
24. REMOVE AND SALVAGE EXISTING SIGN
25. REMOVE EXISTING PCC PAVEMENT
26. REMOVE EXISTING AC CURB

N

20 0 20 40

SCALE: 1"=20'

DOT 027233A, CPUC 101 SG-64.02

REV.	DATE		BY	SUB.	APP.

DESIGNED BY J. SONG
DRAWN BY J. KUO
CHECKED BY J. BROWN
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

REGISTERED PROFESSIONAL ENGINEER JIANSHENG SONG No. 71849 Exp. 12/31/19 CIVIL STATE OF CALIFORNIA

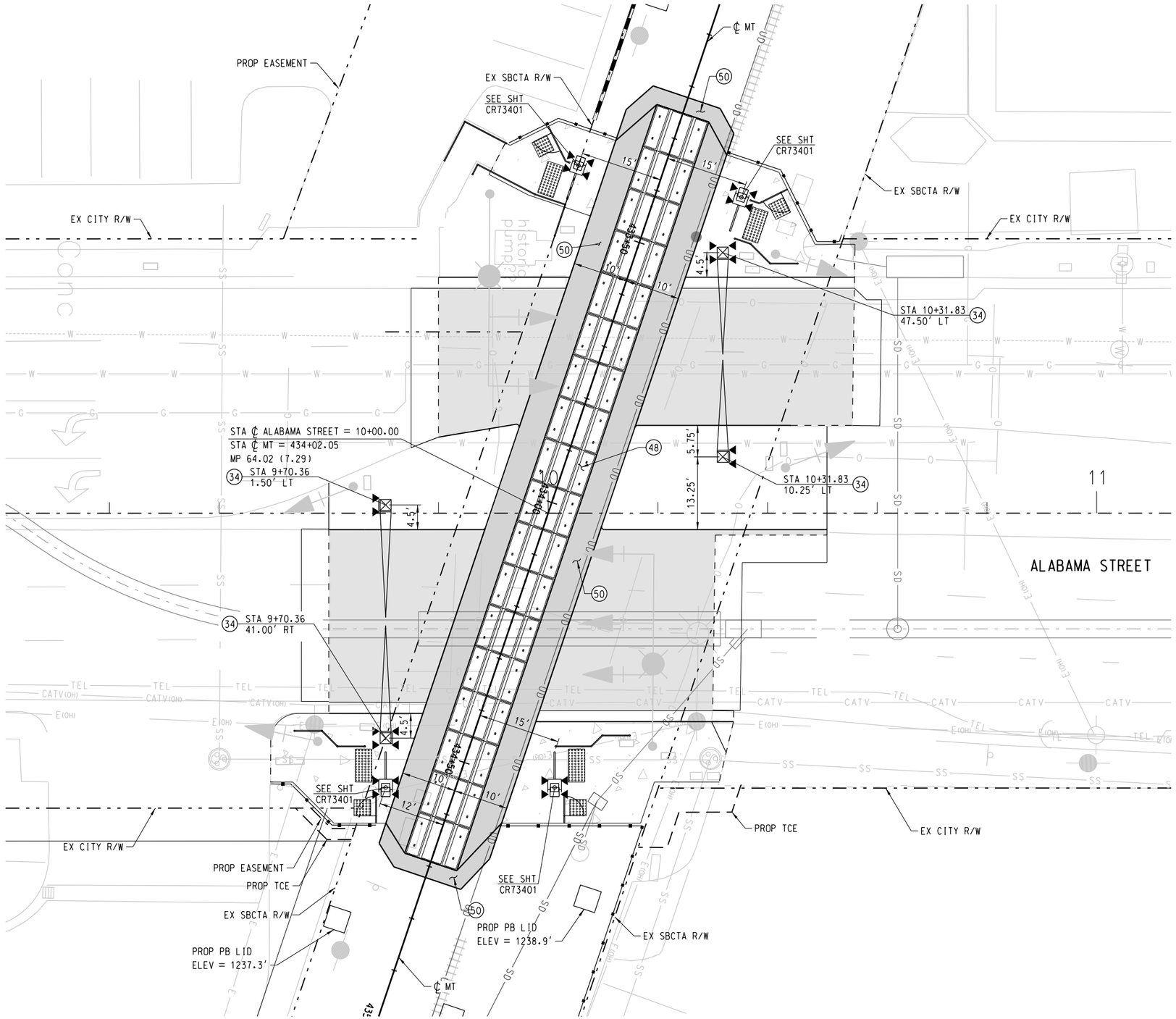
REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
ALABAMA STREET – MP 64.02 (7.29)
LAYOUT

CONTRACT NO. 17-1001705
DRAWING NO. CR73101
REVISION | SHEET NO.
SCALE 1"=20'
112 of 359

5/24/2018 10:16:31 AM
OMAP-INPICS01\$
D:\powerking\scc\d0705\F16\SANALCO\ALT1\26495\26495-06-CR73101.DGN
\\Program Files (x86)\Common Files\InterPlot\IPLOT\bin\iplotdrvm.plt

Redlands Regular Meeting of 09-20-2022



CONSTRUCTION NOTES:

(34) INSTALL CPUC STD NO. 9 ACTIVE WARNING DEVICE PER SCRRA ENGINEERING STD ES8300

(48) INSTALL PRECAST CONCRETE PANELS PER SCRRA ENGINEERING STD ES4201, LAYOUT PER TRACK PLANS

(50) CONSTRUCT ASPHALT CONCRETE PAVEMENT AND RAMP PER SCRRA ENGINEERING STD ES4201

NOTE:

1. PEDESTRIAN FACILITIES AT VEHICLE CROSSINGS SHALL COMPLY WITH SCRRA ENGINEERING STANDARDS ES4011 AND ES4012, WHICHEVER IS APPLICABLE.

N

10 0 10 20

SCALE: 1"=10'

5/24/2018 10:19:33 AM OMAP-INPICS02$
O:\OMAP-INPICS02\USERS\PDF\227AB\883953_103\226495-06-CR73102.DGN
Z:\Projects\Working Sets\227AB\GIS\MXD\ALIGNMENT\Alabama_Grade_Crossing.mxd
C:\Program Files (x86)\Common Files\InterPlot\INPLOT\bin\plotdrvm.plt

Redlands Regular Meeting of 09-20-2022

REV.	DATE		BY	SUB.	APP.

DESIGNED BY	J. SONG
DRAWN BY	J. KUO
CHECKED BY	J. BROWN
APPROVED BY	R. KLOVSKY
DATE	5-18-2018

San Bernardino County Transportation Authority

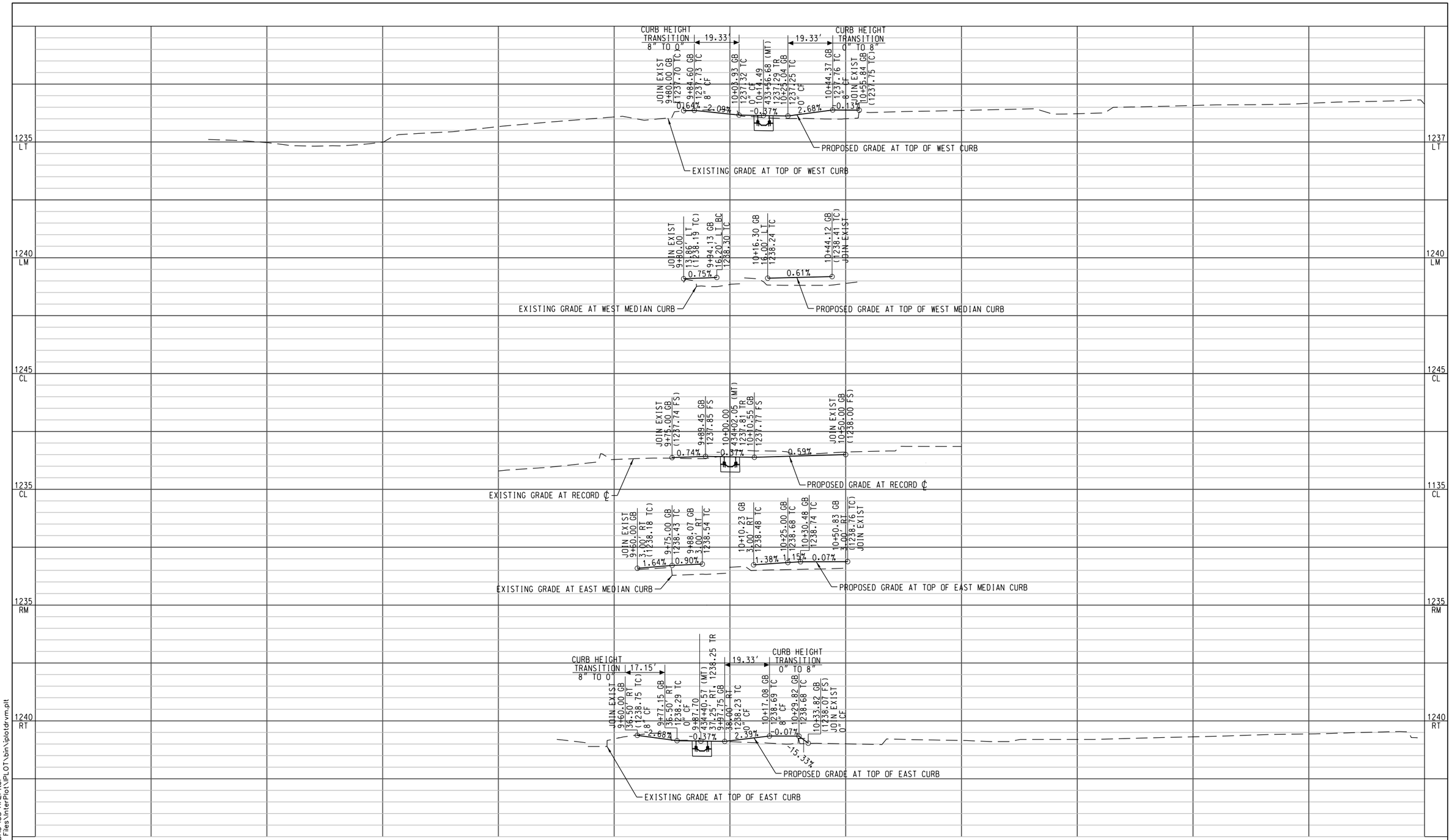
HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

REGISTERED PROFESSIONAL ENGINEER
JIANSHENG SONG
No. 71849
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
ALABAMA STREET – MP 64.02 (7.29)
GRADE CROSSING LAYOUT

CONTRACT NO.	17-1001705
DRAWING NO.	CR73102
REVISION	SHEET NO.
SCALE	113 of 359 1"=10'



OMAP-INPICS01$
10:20:03 AM
5/24/2018
\\OMAP-INPICS01\CS1\ePDF\227\8\883953_198\126495-06-CR73201.DGN
C:\Users\jsong\Documents\CS1\ePDF\227\8\883953_198\126495-06-CR73201.DGN
C:\Program Files (x86)\Common Files\InterPlot\IPLOT\bin\iplotdrvm.plt

REV.	DATE		BY	SUB.	APP.

DESIGNED BY	J. SONG
DRAWN BY	J. KUO
CHECKED BY	J. BROWN
APPROVED BY	R. KLOVSKY
DATE	5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

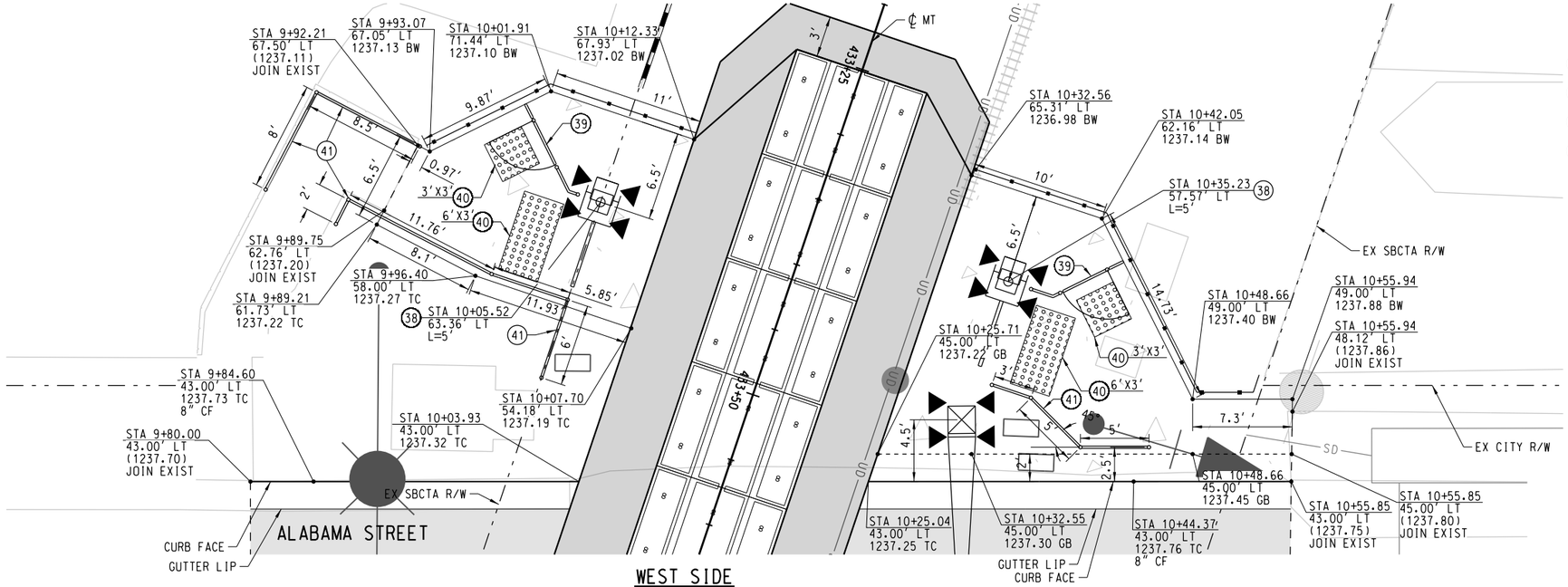
REGISTERED PROFESSIONAL ENGINEER
JIANSHENG SONG
No. 71849
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
ALABAMA STREET – MP 64.02 (7.29)
PROFILE

CONTRACT NO.	17-1001705
DRAWING NO.	CR73201
REVISION	SHEET NO.
SCALE	HORIZ 1"=20' VERT 1"=4'

114 of 359



CONSTRUCTION NOTES:

(38) INSTALL CPUC STD NO. 9 PEDESTRIAN AUTOMATIC WARNING DEVICE WITH GATE ARM PER SCRRA ENGINEERING STD ES8300, LENGTH PER PLAN
(39) INSTALL PEDESTRIAN SWING GATE PER SCRRA ENGINEERING STD ES4002, LAYOUT PER PLAN
(40) INSTALL ADA DETECTABLE WARNING SURFACE (RAISED TRUNCATED DOME), DIMENSIONS PER PLAN
(41) INSTALL METAL HAND RAILING PER SCRRA ENGINEERING STD ES4005

NOTES:

1. PEDESTRIAN FACILITIES AT VEHICLE CROSSINGS SHALL COMPLY WITH SCRRA ENGINEERING STANDARDS ES4011 AND ES4012, WHICHEVER IS APPLICABLE.
2. SEE ROADWAY LAYOUT SHEET FOR STATIONING.

REV.	DATE	BY	SUB.	APP.

DESIGNED BY: J. SONG
DRAWN BY: J. KUO
CHECKED BY: J. BROWN
APPROVED BY: R. KLOVSKY
DATE: 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Sulte 100
Riverside, CA 92501-2110
(951) 320-7300

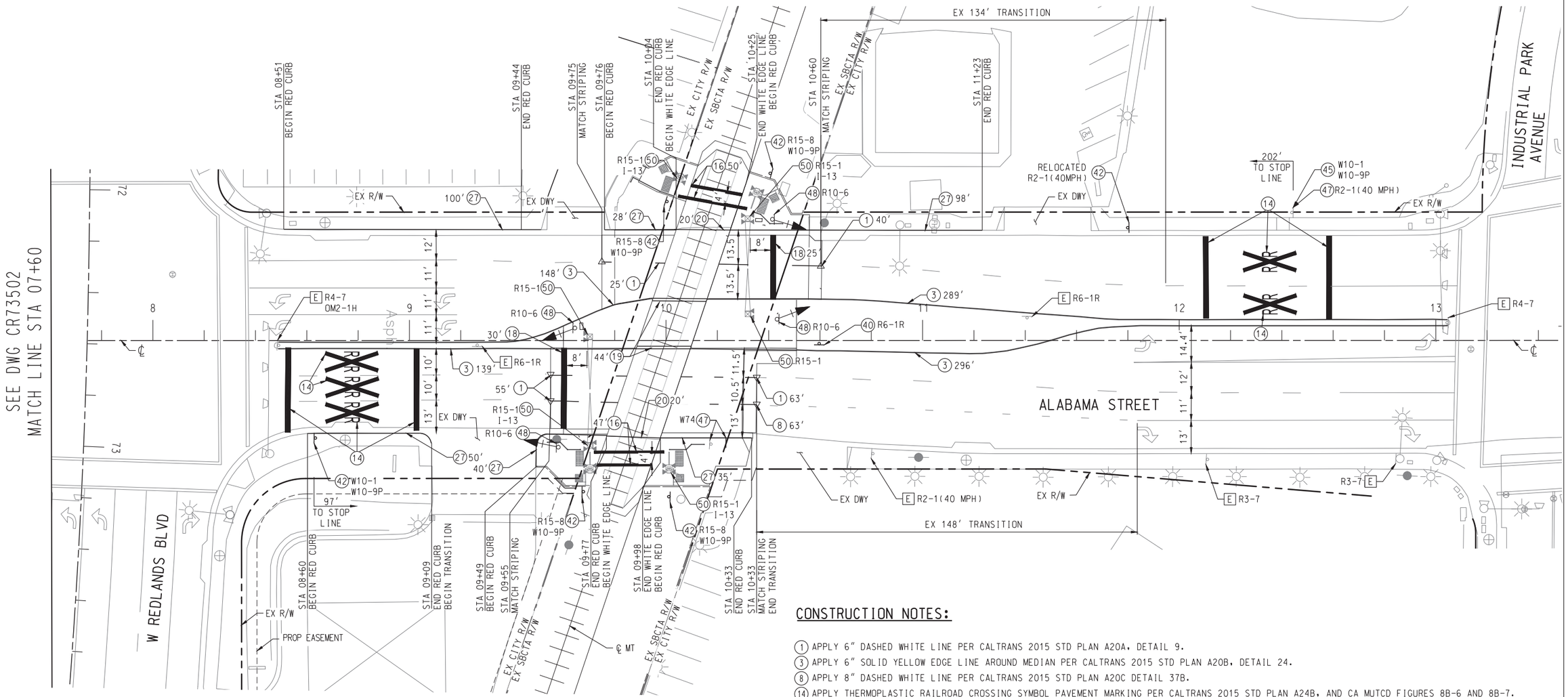
REGISTERED PROFESSIONAL ENGINEER
JIANSHENG SONG
No. 71849
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

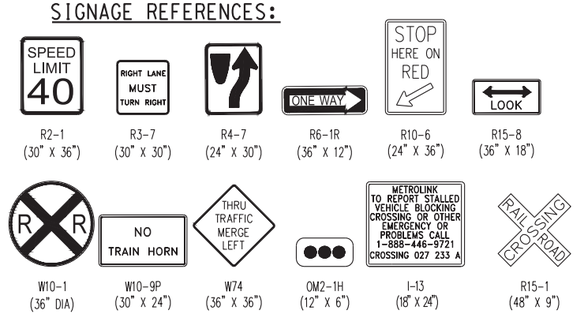
ROADWAY IMPROVEMENT
ALABAMA STREET – MP 64.02 (7.29)
GRADE CROSSING DETAILS

CONTRACT NO. 17-1001705
DRAWING NO. CR73401
REVISION
SHEET NO.
SCALE 1"=5'
115 of 359

5/24/2018 10:15:53 AM
OMAP-INP\CS01\CS\5\PDF\227B\883953_105_26495-06-CR73401.DGN
OMAP-INP\CS01\CS\5\PDF\227B\883953_105_26495-06-CR73401.DGN
OMAP-INP\CS02$
Drawing Name: c:\Program Files (x86)\Common Files\InterPlot\IPLOT\bin\plotdrvm.plt



SIGNAGE REFERENCES:



R2-1 (30" X 36") · R3-7 (30" X 30") · R4-7 (24" X 30") · R6-1R (36" X 12") · R10-6 (24" X 36") · R15-8 (36" X 18")

W10-1 (36" DIA) · W10-9P (30" X 24") · W74 (36" X 36") · OM2-1H (12" X 6") · I-13 (18" X 24") · R15-1 (48" X 9")

GENERAL NOTES:

ALABAMA STREET SPEED LIMIT 40 MPH.

CONSTRUCTION NOTES:

(1) APPLY 6" DASHED WHITE LINE PER CALTRANS 2015 STD PLAN A20A, DETAIL 9.
(3) APPLY 6" SOLID YELLOW EDGE LINE AROUND MEDIAN PER CALTRANS 2015 STD PLAN A20B, DETAIL 24.
(8) APPLY 8" DASHED WHITE LINE PER CALTRANS 2015 STD PLAN A20C DETAIL 37B.
(14) APPLY THERMOPLASTIC RAILROAD CROSSING SYMBOL PAVEMENT MARKING PER CALTRANS 2015 STD PLAN A24B, AND CA MUTCD FIGURES 8B-6 AND 8B-7.
(16) APPLY 12" SOLID THERMOPLASTIC WHITE CROSSWALK LINE OR LIMIT LINE PER CALTRANS 2015 STD PLAN A24E.
(18) APPLY 24" WHITE THERMOPLASTIC STOP LINE PER CA MUTCD SECTION 8B.28.
(19) APPLY 6" DOUBLE YELLOW MEDIAN LINES WITH RPMS SPACED 4' OC PER METROLINK STD PLAN 4015.
(20) APPLY 6" WHITE EDGE LINE WITH RPMS SPACED 4' OC.
(27) PAINT CURB RED.
(40) INSTALL SIGN AND POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE 3.5' ABOVE FINISH SURFACE.
(42) INSTALL SIGN AND POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE A MINIMUM 7' ABOVE FINISHED GRADE.
(45) REPLACE SIGN ON EXISTING SIGN POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE A MINIMUM OF 7' ABOVE FINISH SURFACE.
(47) RELOCATE EXISTING SIGN ON NEW POST AS NOTED ON PLAN.
(48) FOR SIGN MOUNTED ON TRAFFIC SIGNAL POLE, SEE TRAFFIC SIGNAL PLAN SET.
(50) INSTALL SIGN ON EXISTING GATE MECHANISM.

REMOVAL NOTES:

[E] EXISTING TO REMAIN.

SEE CIVIL SHEETS FOR CURB, RAMP, MEDIAN AND SIDEWALK IMPROVEMENTS

N
20 0 20 40
SCALE: 1"=20'

REV.	DATE	BY	SUB.	APP.

DESIGNED BY B. SCHLUETER
DRAWN BY B. SCHLUETER
CHECKED BY N. MINICILLI
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

STC TRAFFIC
5865 AVENIDA ENCINAS, #142-B
CARLSBAD, CA 92008
PH: 760-602-4290
WWW.STCTRAFFIC.COM

APPROVED: _____

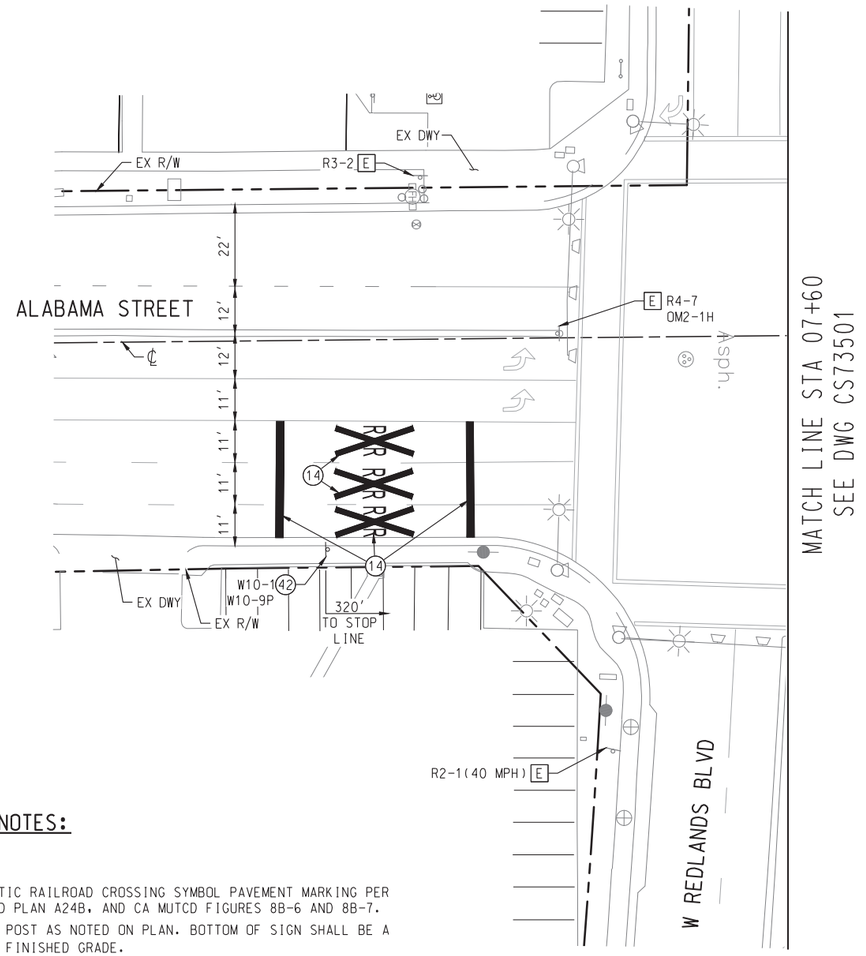
REGISTERED PROFESSIONAL ENGINEER — NICHOLAS M. MINICILLI — NO. 74667 — CIVIL — STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

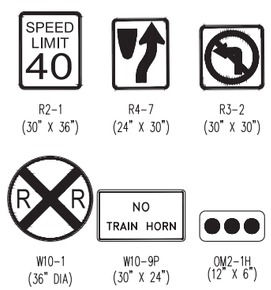
ROADWAY IMPROVEMENT
ALABAMA STREET - MP 64.02 (7.29)
SIGNING AND STRIPING (SHEET 1 OF 2)

CONTRACT NO. C15-1001093
DRAWING NO. CR73501
REVISION
SHEET NO.
SCALE HORIZ 1"=20'

04/20/2018 2:48 PM christian lombarth
s:\projects\hdr\0398_redlands passenger rail design project\07_engineering\cadd\div\26495-06-cr73501.dwg
sonos_prp-test.ctb



SIGNAGE REFERENCES:



R2-1 (30" X 36") | R4-7 (24" X 30") | R3-2 (30" X 30")

W10-1 (36" DIA) | W10-9P (30" X 24") | OM2-1H (12" X 6")

CONSTRUCTION NOTES:

(14) APPLY THERMOPLASTIC RAILROAD CROSSING SYMBOL PAVEMENT MARKING PER CALTRANS 2015 STD PLAN A24B, AND CA MUTCD FIGURES 8B-6 AND 8B-7.

(42) INSTALL SIGN AND POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE A MINIMUM 7' ABOVE FINISHED GRADE.

REMOVAL NOTES:

[E] EXISTING TO REMAIN.

GENERAL NOTES:

ALABAMA STREET SPEED LIMIT 40 MPH.

N

20 0 20 40

SCALE: 1"=20'

REV.	DATE		BY	SUB.	APP.

DESIGNED BY B. SCHLUETER
DRAWN BY B. SCHLUETER
CHECKED BY N. MINICILLI
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

STC TRAFFIC
5865 AVENIDA ENCINAS, #142-B
CARLSBAD, CA 92008
PH: 760-602-4290
WWW.STCTRAFFIC.COM

APPROVED: _____

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS M. MINICILLI
NO. 74667
CIVIL
STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
ALABAMA STREET - MP 64.02 (7.29)
SIGNING AND STRIPING (SHEET 2 OF 2)

CONTRACT NO. C15-1001093
DRAWING NO. CR73502
REVISION | SHEET NO.
SCALE HORIZ 1"=20'

04/2/2018 2:48 PM christian lambarth
s:\Projects\hdr\0398_redlands passenger rail design project\07_engineering\cadd\dlv\26495-06-cr73502.dwg
sonq_sprp_tst.ctb

CONSTRUCTION NOTES:

1A RS EXISTING NEMA TYPE "P" CABINET ON RAISED 18" P.C.C. FOUNDATION. RELOCATE THE FOLLOWING EQUIPMENT TO NEW PROPOSED CONTROLLER CABINET:
- ITERIS VANTAGE EDGE 2 VIDEO DETECTION PROCESSOR
- VIDEO MONITORING SCREEN
- GTT 764 PHASE SELECTOR
- SIDE MOUNTED MYERS BATTERY BACKUP SYSTEM (BBS)

1B FURNISH AND INSTALL 350i ATC CABINET ON EXISTING FOUNDATION. CABINET SHALL HAVE TWO INPUT FILES, INTERNAL LED LIGHT, DOOR SWITCH, PULL-OUT DOCUMENT DRAWER, AND CITY SPECIFIED LOCKS. CABINET SHALL BE WIRED FOR RED MONITOR CAPABILITY. CABINET SHALL BE EQUIPPED WITH:
- NEW McCAIN MODEL FLEX ATC CONTROLLER WITH OMNI SOFTWARE
- NEW EDI CMUip-2212-HV CONFLICT MONITOR UNIT
- NEW EDI AUXILIARY DISPLAY UNIT FOR ATC CABINET
- NEW McCAIN RAILROAD INTERFACE PANEL. TERMINATE RRIC.
- NEW DYMEC KY-3170EMX-10 PORT GIGABIT ETHERNET SWITCH
- NEW ENABLE IT 860 PRO GIGABIT ETHERNET EXTENDER
- NEW SIERRA WIRELESS AIRLINK MG90 ROUTER
- NEW PUNCH DOWN BLOCK FOR TRAFFIC SIGNAL INTERCONNET. TERMINATE TSIC.
- NEW RENO A&E MODEL U-1400 VEHICLE DETECTOR UNITS WITH MODEL 805-8-S HARNESS AS NEEDED
- NEW RENO A&E MODEL C-1000 VEHICLE DETECTOR UNITS AS NEEDED

2 EXISTING SERVICE PEDESTAL AND TYPE III-BF SERVICE ENCLOSURE. PROTECT IN PLACE. CONNECT EXISTING SERVICE TO NEW CABINET.

3 FURNISH AND INSTALL NEW #5 PULL BOX WITH TAMPER PROOF LID.

4 FURNISH AND INSTALL NEW #6 PULL BOX WITH TAMPER PROOF LID.

5 FURNISH AND INSTALL NEW #6E PULL BOX WITH TAMPER PROOF LID.

6 RS EXISTING VEHICLE HEAD. FURNISH AND INSTALL NEW PROGRAMMED-VISIBILITY (PV) 3-SECTION VEHICLE HEAD AND NECESSARY MOUNTING HARDWARE.

12 FURNISH AND INSTALL NEW 6' DIAMETER TYPE E LOOP DETECTOR PER CALTRANS REVISED STD. PLAN RSP ES-5B.

14 FURNISH AND INSTALL 4-WIRE WITH HEALTH PREFORMED LOOP DETECTOR.

15 TERMINATE 12PR#19 RAILROAD INTERCONNECT CABLE.

16 COIL 150' OF 12PR#19 RAILROAD INTERCONNECT CABLE IN PROPOSED PULL BOX. CONTRACTOR TO COMPLETE INSTALLATION.

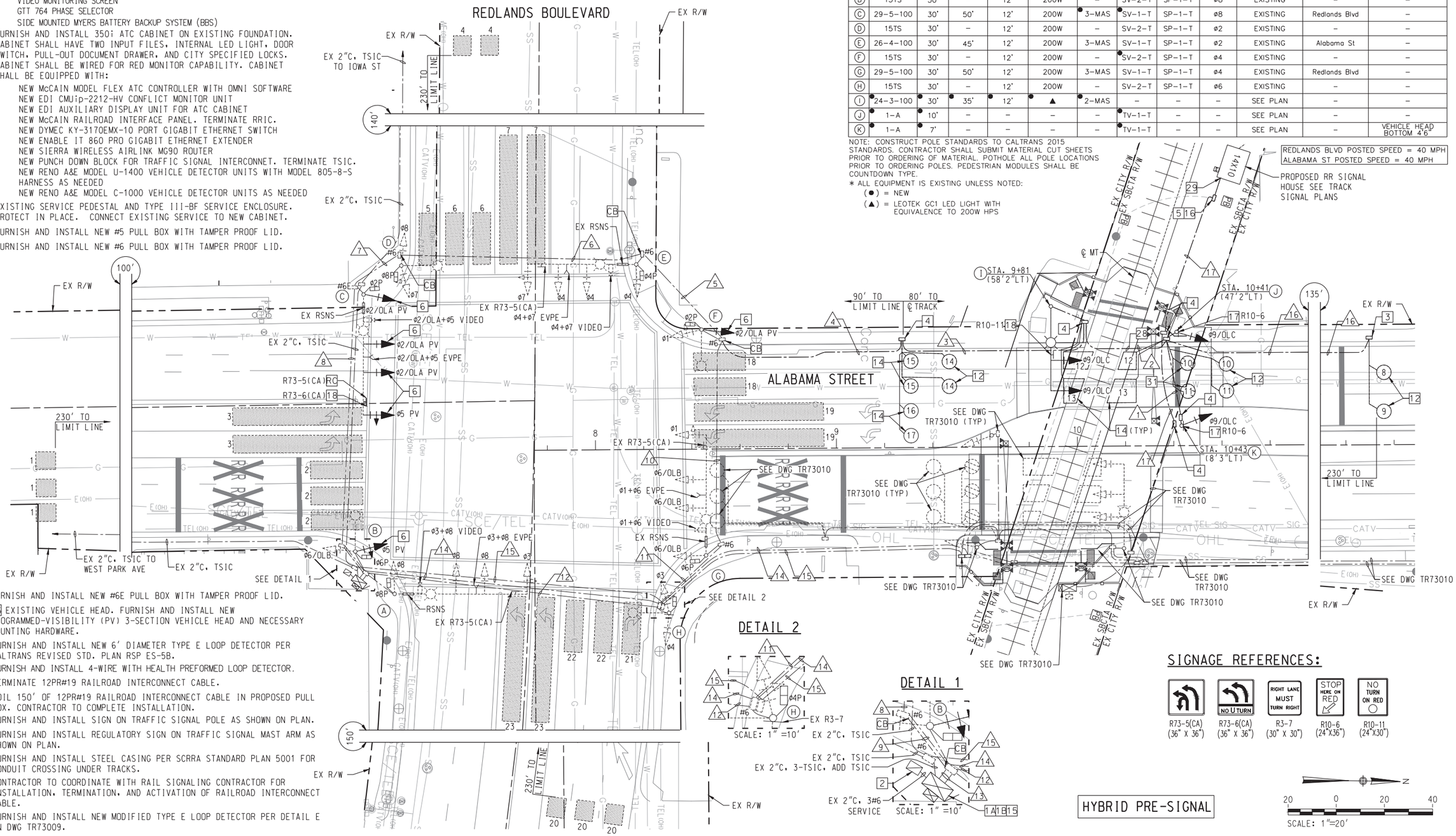
17 FURNISH AND INSTALL SIGN ON TRAFFIC SIGNAL POLE AS SHOWN ON PLAN.

18 FURNISH AND INSTALL REGULATORY SIGN ON TRAFFIC SIGNAL MAST ARM AS SHOWN ON PLAN.

28 FURNISH AND INSTALL STEEL CASING PER SCRRA STANDARD PLAN 5001 FOR CONDUIT CROSSING UNDER TRACKS.

29 CONTRACTOR TO COORDINATE WITH RAIL SIGNALING CONTRACTOR FOR INSTALLATION, TERMINATION, AND ACTIVATION OF RAILROAD INTERCONNECT CABLE.

31 FURNISH AND INSTALL NEW MODIFIED TYPE E LOOP DETECTOR PER DETAIL E ON DWG TR73009.



DETAIL 2

DETAIL 1

*POLE AND EQUIPMENT SCHEDULE

No.	STANDARD TYPE	HEIGHT	SIG. M.A.	LUM. M.A.	LED LUMINAIRE	SIG MTG VEHICLE		SIG MTG PED	PPB PHASE	POLE LOCATION A	POLE LOCATION B	RSNS	REMARKS
(A)	29-5-100	30'	55'	12'	200W	3-MAS	SV-1-T	SP-1-T	ø6	EXISTING		Alabama St	–
(B)	15TS	30'	–	12'	200W	–	SV-2-T	SP-1-T	ø8	EXISTING		–	–
(C)	29-5-100	30'	50'	12'	200W	3-MAS	SV-1-T	SP-1-T	ø8	EXISTING		Redlands Blvd	–
(D)	15TS	30'	–	12'	200W	–	SV-2-T	SP-1-T	ø2	EXISTING		–	–
(E)	26-4-100	30'	45'	12'	200W	3-MAS	SV-1-T	SP-1-T	ø2	EXISTING		Alabama St	–
(F)	15TS	30'	–	12'	200W	–	SV-2-T	SP-1-T	ø4	EXISTING		–	–
(G)	29-5-100	30'	50'	12'	200W	3-MAS	SV-1-T	SP-1-T	ø4	EXISTING		Redlands Blvd	–
(H)	15TS	30'	–	12'	200W	–	SV-2-T	SP-1-T	ø6	EXISTING		–	–
(I)	24-3-100	30'	35'	12'	▲	2-MAS	–	–	–	SEE PLAN		–	–
(J)	1-A	10'	–	–	–	–	TV-1-T	–	–	SEE PLAN		–	–
(K)	1-A	7'	–	–	–	–	TV-1-T	–	–	SEE PLAN		–	VEHICLE HEAD BOTTOM 4'6"

NOTE: CONSTRUCT POLE STANDARDS TO CALTRANS 2015 STANDARDS. CONTRACTOR SHALL SUBMIT MATERIAL CUT SHEETS PRIOR TO ORDERING OF MATERIAL. POTHOLE ALL POLE LOCATIONS PRIOR TO ORDERING POLES. PEDESTRIAN MODULES SHALL BE COUNTDOWN TYPE.

* ALL EQUIPMENT IS EXISTING UNLESS NOTED:
(●) = NEW
(▲) = LEOTEK GC1 LED LIGHT WITH EQUIVALENCE TO 200W HPS

SIGNAGE REFERENCES:

HYBRID PRE-SIGNAL

N
20 0 20 40
SCALE: 1"=20'

REV.	DATE	BY	SUB.	APP.

DESIGNED BY B. HANSEN
DRAWN BY B. HANSEN
CHECKED BY N. MINICILLI
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

STC TRAFFIC
5865 AVENIDA ENCINAS, #142-B
CARLSBAD, CA 92008
PH: 760-602-4290
WWW.STCTRAFFIC.COM

APPROVED: _____

REGISTERED PROFESSIONAL ENGINEER — VICTOR M. MINICILLI — NO. 74667 — CIVIL — STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

TRAFFIC SIGNAL PLAN
ALABAMA STREET AND REDLANDS BOULEVARD
(SHEET 1 OF 2)

CONTRACT NO. C15-1001093
DRAWING NO. TR73008
REVISION | SHEET NO.
SCALE HORIZ 1"=20'

brandon schlueter
04/27/2018 2:48 PM
s:\projects\hdr\0398_redlands passenger rail design project\07_engineering\cadd\dwg\26495-14-tr73008.dwg
sonet.ctb

*CONDUCTOR SCHEDULE

AWG OR CABLE SIZE	POLE OR CIRCUIT	CONDUIT RUNS 1	2	3	4	5	6	7	8	9	10	11	12	13
3 CSC	POLE A ø3,ø8,ø8P,ø6PPB													1 1
	POLE B ø5,ø6/OLB,ø6P,ø8PPB													1 1
	POLE C ø2/OLA,ø5, ø2P,ø8PPB								1 1	1 1				1 1
	POLE D ø7,ø8,ø8P,ø2PPB							1 1	1 1	1 1				1 1
	POLE E ø4,ø7,ø4P,ø2PPB					1 1					1 1	1 1	1 1	1 1
	POLE F ø1,ø2/OLA,ø2P, ø4PPB										1 1	1 1	1 1	1 1
	POLE G ø1,ø6/OLB,ø6P,ø4PPB											1 1	1 1	1 1
	POLE H ø3,ø4,ø4P,ø6PPB												1 1	1 1
12 CSC	POLE I ø9/OLC			– 1	– 1	– 1	– 1	– 1	– 1	– 1				– 1
	POLE J ø9/OLC		– 1	– 1	– 1	– 1	– 1	– 1	– 1	– 1				– 1
	POLE K ø9/OLC	– 1	– 1	– 1	– 1	– 1	– 1	– 1	– 1	– 1				– 1
TOTAL 3 CSC / 12 CSC CABLES		– 1	– 2	– 3	– 3	1 4	– 3	1 4	2 5	2 5	2 2	3 3	4 4	8 11
#8	GROUND	1	1	1	1	1	1	1	1	1	1	1	1	1
#10	SAFETY LIGHTING			2	2			2	2	2	2	2	2	2
TYPE B DLC	ø2/OLA													
	ø9/OLC		4	4	4	4	4	4	4	4				4
	TOTAL DLCs		4	4	4	4	4	4	4	4				4
4#20 CONDUCTOR DLC (CAVDS ø9/OLC)			2	2	6	6	6	6	6	6				6
VIDEO DETECTION CABLE						1		1	1	1	1	2	2	4
EVP CABLE						1		1	1	1	1	2	2	4
RAILROAD INTERCONNECT														1
CONDUIT SIZE (INCHES)		3"	3"	4"	4"	3"	4"	3"	3"	3"	3"	3"	3"	3– 3.5"
CONDUIT FILL (%)		6%	21%	17%	18%	41%	18%	41%	49%	25%	22%	34%	42%	26%

* ALL CONDUIT AND CONDUCTORS ARE EXISTING UNLESS NOTED:

(●) = NEW

NOTE: NEW AND EXISTING DLC'S SHALL BE REASSIGNED TO DETECTOR INPUTS AS SHOWN ON PLAN AND THE DETECTOR ASSIGNMENT TABLE.

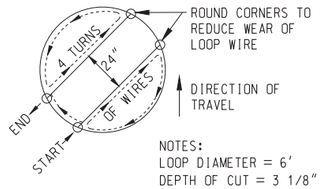
DETECTOR ASSIGNMENT

DETECTOR	PHASE	CHANNEL	FIELD TERMINAL
1	6/OLB	25	VIDEO
2	6/OLB	26	VIDEO
3	1	27	VIDEO
4	8	33	VIDEO
5	8	34	VIDEO
6	8	36	VIDEO
7	3	35	VIDEO
8	2/OLA (9/OLC)	5	FIT3 – 1&2
9	2/OLA (9/OLC)	6	FIT3 – 6&7
10	2/OLA (9/OLC)	7	FIT4 – 1&2
11	2/OLA (9/OLC)	8	FIT4 – 6&7
12	2/OLA (9/OLC) CAVDS	9	FIT5 – 1&2
13	2/OLA (9/OLC) CAVDS	10	FIT5 – 6&7
14	2/OLA (9/OLC)	11	FIT6 – 1&2
15	2/OLA (9/OLC)	12	FIT6 – 6&7
16	5 (9/OLC)	13	FIT7 – 1&2
17	5 (9/OLC)	14	FIT7 – 6&7
18	2/OLA	1	VIDEO
19	5	3	VIDEO
20	4	15	VIDEO
21	4	16	VIDEO
22	4	18	VIDEO
23	7	17	VIDEO
PPB	2	21	FIT11 – 1&2
PPB	4	22	FIT11 – 6&7
PPB	6	23	FIT12 – 1&2
PPB	8	24	FIT12 – 6&7
EVPE	2 & 5	43	FIT22 – 1&2&5
EVPE	4 & 7	45	FIT23 – 1&2&5
EVPE	1 & 6	44	FIT22 – 6&7&10
EVPE	3 & 8	46	FIT23 – 6&7&10
47	RR1	47	FIT24 – 1&2
48	RR2	48	FIT24 – 6&7

CONDUIT NOTES:

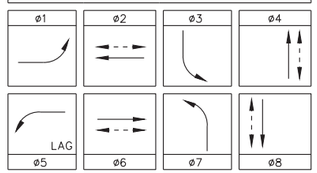
RUN	CONDUIT AND CABLE DESCRIPTION	% FILL
14	EX 2"C, MT, ADD 12PR#19 RRIC	9%
15	EX 2"C, ADD 12PR#19 TSIC	9%
16	NEW 2"C, 2-DLC	4%
17	NEW 3"C, 2-12PR#19 RRIC	8%

DETAIL E

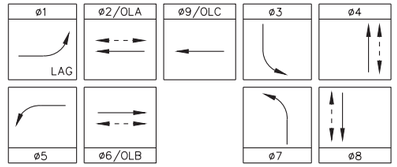


MODIFIED TYPE E FRONT DETECTOR FOR BICYCLES AND VEHICLES N.T.S.

EXISTING PHASE DIAGRAM

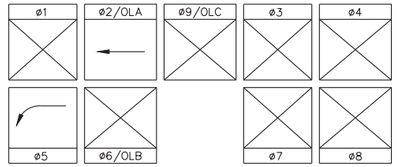


PROPOSED PHASE DIAGRAM

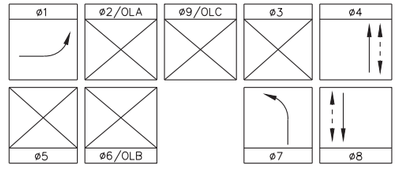


NOTE: PHASE 5 SHALL LAG.

RAILROAD PREEMPTION TRACK CLEAR



RAILROAD PREEMPTION LIMITED SERVICE



TCR = 22 SECONDS, ADV = 56 SECONDS

RAILROAD INTERCONNECT CIRCUITS:

ADV = ADVANCE INPUT - CONTINUE SERVICE TO VEHICLES AND PEDESTRIANS. HOLD PEDESTRIAN CALLS UNTIL LIMITED SERVICE INTERVAL.

TCR = ADVANCE PREEMPTION - TRANSFER ROW TO TRACK CLEARANCE GREEN INTERVAL

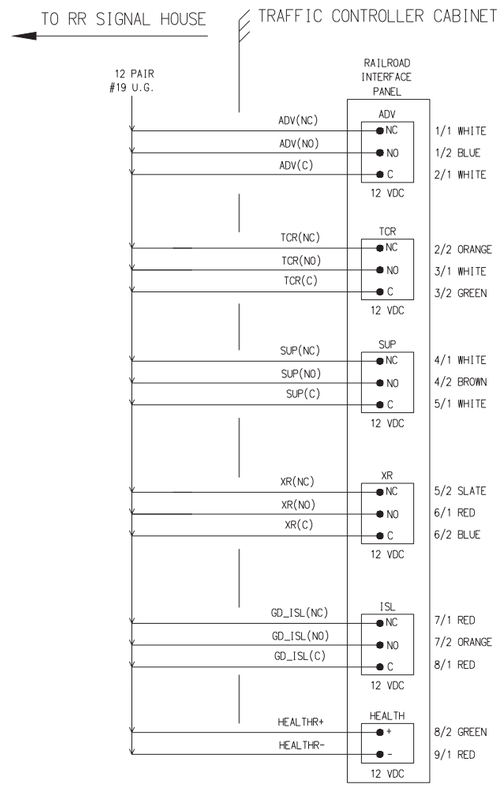
SUP = SUPERVISION - CHECKS THE INTEGRITY OF THE TCR CIRCUIT.

XR = CROSSING ACTIVE - INDICATES GRADE CROSSING WARNING SYSTEM IS ACTIVE.

GD/ISL = GATE DOWN/ISLAND - EXTEND TRACK CLEARANCE GREEN INTERVAL UNTIL GD/ISL INPUT IS RECEIVED AND CROSSING AREA VEHICLE DETECTION IS NOT OCCUPIED.

HEALTH = INDICATES TO RAILROAD TRAFFIC SIGNAL IS IN HARDWARE FLASH OR THERE'S A POWER OUTAGE.

RAILROAD INTERCONNECT CIRCUIT DIAGRAM



COLOR CODE CHART		
PAIR NO.	MAJOR COLOR (WIRE #1)	MINOR COLOR (WIRE #2)
#1	WHITE	BLUE
#2	WHITE	ORANGE
#3	WHITE	GREEN
#4	WHITE	BROWN
#5	WHITE	SLATE
#6	RED	BLUE
#7	RED	ORANGE
#8	RED	GREEN
#9	RED	BROWN
#10	RED	SLATE
#11	BLACK	BLUE
#12	BLACK	ORANGE

PAIR NO. 1/1 WIRE NO.

REV.	DATE		BY	SUB.	APP.

DESIGNED BY B. HANSEN
DRAWN BY B. HANSEN
CHECKED BY N. MINICILLI
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

STC TRAFFIC
5865 AVENIDA ENCINAS, #142-B
CARLSBAD, CA 92008
PH: 760-602-4290
WWW.STCTRAFFIC.COM

APPROVED: _____

REGISTERED PROFESSIONAL ENGINEER THOMAS M. MINICILLI NO. 74667 CIVIL STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

TRAFFIC SIGNAL PLAN
ALABAMA STREET AND REDLANDS BOULEVARD
(SHEET 2 OF 2)

CONTRACT NO. C15-1001093
DRAWING NO. TR73009
REVISION | SHEET NO.
SCALE NTS

04/2018 2:48 PM brandon schlueter
s:\projects\hdr\0398_redlands passenger rail design project\07_engineering\cadd\dwg\26495-14-tr73009.dwg
sonoma_prprtest.ctb

CONSTRUCTION NOTES:

1A RS EXISTING NEMA TYPE "P" CABINET ON RAISED 18" P.C.C. FOUNDATION. RELOCATE THE FOLLOWING EQUIPMENT TO NEW PROPOSED CONTROLLER CABINET:
- ITERIS VANTAGE EDGE 2 VIDEO DETECTION PROCESSOR
- VIDEO MONITORING SCREEN
- GTT 764 PHASE SELECTOR
- SIDE MOUNTED MYERS BATTERY BACKUP SYSTEM (BBS)

1B FURNISH AND INSTALL 350i ATC CABINET ON EXISTING FOUNDATION. CABINET SHALL HAVE TWO INPUT FILES, INTERNAL LED LIGHT, DOOR SWITCH, PULL-OUT DOCUMENT DRAWER, AND CITY SPECIFIED LOCKS. CABINET SHALL BE WIRED FOR RED MONITOR CAPABILITY. CABINET SHALL BE EQUIPPED WITH:
- NEW McCAIN MODEL FLEX ATC CONTROLLER WITH OMNI SOFTWARE
- NEW EDI CMUip-2212-HV CONFLICT MONITOR UNIT WITH AUXILIARY DISPLAY UNIT
- NEW EDI AUXILIARY DISPLAY UNIT FOR ATC CABINET
- NEW DYMEC KY-3170EMX-10 PORT GIGABIT ETHERNET SWITCH
- NEW ENABLE IT 860 PRO GIGABIT ETHERNET EXTENDER
- NEW SIERRA WIRELESS AIRLINK MG90 ROUTER
- NEW PUNCH DOWN BLOCK FOR TRAFFIC SIGNAL INTERCONNET. TERMINATE TSIC.
- NEW RENO A&E MODEL U-1400 VEHICLE DETECTOR UNITS WITH MODEL 805-8-S HARNESS AS NEEDED
- NEW RENO A&E MODEL C-1000 VEHICLE DETECTOR UNITS AS NEEDED

1C FURNISH AND INSTALL 352i ATC CABINET ON NEW FOUNDATION. CABINET SHALL HAVE TWO INPUT FILES, INTERNAL LED LIGHT, DOOR SWITCH, PULL-OUT DOCUMENT DRAWER, AND CITY SPECIFIED LOCKS. CABINET SHALL BE WIRED FOR RED MONITOR CAPABILITY. CABINET SHALL BE EQUIPPED WITH:
- NEW McCAIN MODEL FLEX ATC CONTROLLER WITH OMNI SOFTWARE
- NEW EDI CMUip-2212-HV CONFLICT MONITOR UNIT WITH AUXILIARY DISPLAY UNIT
- NEW EDI AUXILIARY DISPLAY UNIT FOR ATC CABINET
- NEW McCAIN RAILROAD INTERFACE PANEL. TERMINATE RRIC.
- NEW DYMEC KY-3170EMX-10 PORT GIGABIT ETHERNET SWITCH
- NEW ENABLE IT 860 PRO GIGABIT ETHERNET EXTENDER
- NEW PUNCH DOWN BLOCK FOR TRAFFIC SIGNAL INTERCONNET. TERMINATE TSIC.
- NEW RENO A&E MODEL U-1400 VEHICLE DETECTOR UNITS WITH MODEL 805-8-S HARNESS AS NEEDED
- NEW RENO A&E MODEL C-1000 VEHICLE DETECTOR UNITS AS NEEDED
- NEW SIDE MOUNTED BBS SYSTEM

2 FURNISH AND INSTALL NEW TYPE-III-CF DUAL METER SERVICE PEDESTAL (ANODIZED ALUMINUM CABINET AND FOUNDATION AS SPECIFIED BY CALTRANS STD. PLAN ES-2C AND RSP ES-2E). COORDINATE WITH SCE. SERVICE SHALL HAVE SEPARATE MAIN DISCONNECT CIRCUIT BREAKERS FOR METERED SECTION(S) AND PLUG-IN BREAKERS. SERVICE INSTALLATION SHALL BE PER SCE REQUIREMENTS.

3 FURNISH AND INSTALL NEW #5 PULL BOX WITH TAMPER PROOF LID.

4 FURNISH AND INSTALL NEW #6 PULL BOX WITH TAMPER PROOF LID.

5 FURNISH AND INSTALL NEW #6E PULL BOX WITH TAMPER PROOF LID.

12 FURNISH AND INSTALL NEW 6' DIAMETER TYPE E LOOP DETECTOR PER CALTRANS REVISED STANDARD STD. PLAN RSP ES-5B.

14 FURNISH AND INSTALL 4-WIRE WITH HEALTH PREFORMED LOOP DETECTOR.

15 TERMINATE 12PR#19 RAILROAD INTERCONNECT CABLE.

16 COIL 150' OF 12PR#19 RAILROAD INTERCONNECT CABLE IN PROPOSED PULL BOX. RAILROAD CONTRACTOR TO COMPLETE INSTALLATION.

17 FURNISH AND INSTALL SIGN ON TRAFFIC SIGNAL POLE AS SHOWN ON PLAN.

21 ADJUST EXISTING PULL BOX TO FINISH GRADE.

22 CONTRACTOR TO DISCONNCT EXISTING 12PR#19 TSIC CABLE, ABANDON EXISTING CONDUIT AND RE-ROUTE THROUGH NEW CONDUIT TO PROPOSED CONTROLLER CABINET.

23 RC EXISTING PEDESTRIAN PUSH BUTTON. FURNISH AND INSTALL NEW 2" ADA COMPLIANT PEDESTRIAN PUSH BUTTON.

28 FURNISH AND INSTALL STEEL CASING PER SCRRA STANDARD PLAN 5001 FOR CONDUIT CROSSING UNDER TRACKS.

29 CONTRACTOR TO COORDINATE WITH RAIL SIGNALING CONTRACTOR FOR INSTALLATION, TERMINATION, AND ACTIVATION OF RAILROAD INTERCONNECT CABLE.

31 FURNISH AND INSTALL NEW MODIFIED TYPE E LOOP DETECTOR PER DETAIL E ON DWG TR73011.

● POLE AND EQUIPMENT SCHEDULE

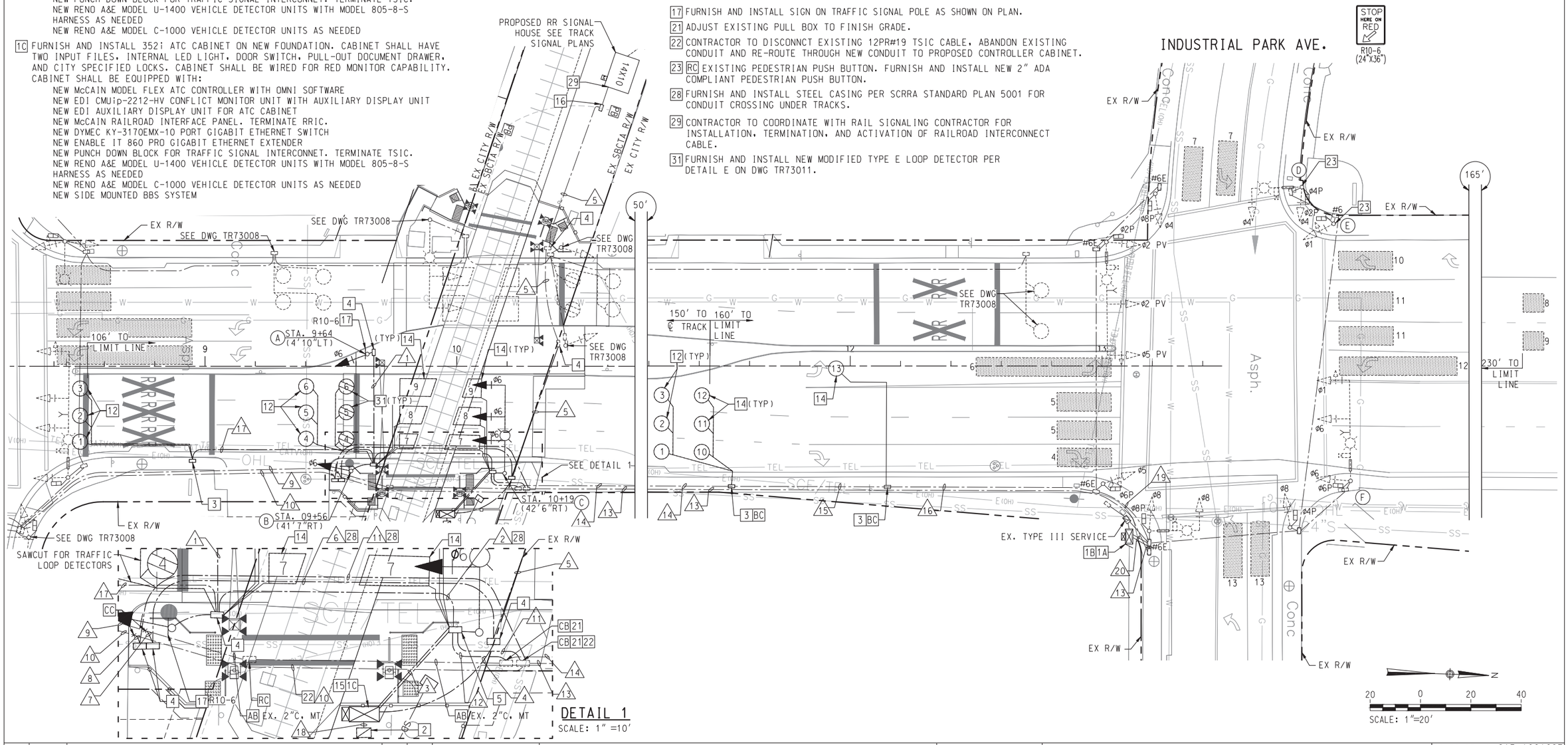
No.	STANDARD TYPE	STANDARD HEIGHT	STANDARD SIG. M.A.	STANDARD LUM. M.A.	LED LUMINAIRE	SIG MTG VEHICLE	SIG MTG VEHICLE	SIG MTG PED	PPB PHASE	POLE LOCATION A	POLE LOCATION B	SNS	REMARKS
(A)	TYPE 1A	7'	–	–	–	–	TV-1-T	–	–	SEE PLAN		–	VEHICLE HEAD BOTTOM 4'6"
(B)	TYPE 1A	10'	–	–	–	–	TV-1-T	–	–	SEE PLAN		–	–
(C)	24-3-100	30'	35'	12'	▲	3-MAS	–	–	–	SEE PLAN		–	F=12', F2-10'

NOTE: CONSTRUCT POLE STANDARDS TO CALTRANS 2015 STANDARDS. CONTRACTOR SHALL SUBMIT MATERIAL CUT SHEETS PRIOR TO ORDERING OF METERIAL. POTHOLE ALL POLE LOCATIONS PRIOR TO ORDERING POLES. PEDESTRIAN MODULES SHALL BE COUNTDOWN TYPE.
● ALL EQUIPMENT IS NEW
▲ = LEOTEK GC1 LED LIGHT WITH EQUIVALENCE TO 200W HPS

INDUSTRIAL PARK AVE POSTED SPEED = 30 MPH
ALABAMA ST POSTED SPEED = 40 MPH

SIGNAGE REFERENCES:

STOP HERE ON RED
R10-6 (24"X36")



DETAIL 1
SCALE: 1" =10'

REV.	DATE	BY	SUB.	APP.

DESIGNED BY B. HANSEN
DRAWN BY B. HANSEN
CHECKED BY N. MINICILLI
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

STC TRAFFIC
5865 AVENIDA ENCINAS, #142-B
CARLSBAD, CA 92008
PH: 760-602-4290
WWW.STCTRAFFIC.COM

APPROVED: _____

REGISTERED PROFESSIONAL ENGINEER — NICHOLAS M. MINICILLI — NO. 74667 — CIVIL — STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

TRAFFIC SIGNAL PLAN
NB ALABAMA ST. QUEUE CUTTER/INTERCONNECT
(SHEET 1 OF 2)

CONTRACT NO. C15-1001093
DRAWING NO. TR73010
REVISION | SHEET NO.
SCALE HORIZ 1"=20'

04/27/2018 2:48 PM brandon schlueter
s:\projects\hdr\0398_redlands passenger rail design project\07_engineering\cadd\div26495-14-tr73010.dwg
scale_tpl.ctb

●CONDUCTOR SCHEDULE

AWG OR CABLE SIZE	POLE OR CIRCUIT		CONDUIT RUNS 1	2	3
3 CSC / 12 CSC	POLE A	ø6	– 1	– 1	– 1
	POLE B	ø6		– 1	– 1
	POLE C	ø6			– 1
TOTAL 3 CSC / 12 CSC CABLES			– 1	– 2	– 3
#10	SAFETY LIGHTING				2
#8	GROUND		1	1	1
TYPE B DLC	ø6			6	7
	TOTAL DLCs			6	7
4#20 CONDUCTOR DLC (CAVDS ø6)				3	7
TRAFFIC SIGNAL INTERCONNECT					1
RAILROAD INTERCONNECT					1
CONDUIT SIZE (INCHES)			3"	4"	2-3"
CONDUIT FILL (%)			7%	14%	19%

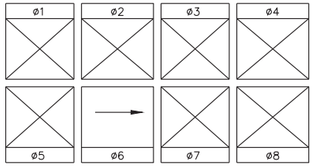
● ALL CONDUIT AND CONDUCTORS ARE NEW

NOTE: NEW AND EXISTING DLC'S SHALL BE REASSIGNED TO DETECTOR INPUTS AS SHOWN ON PLAN AND THE DETECTOR ASSIGNMENT TABLE.

CONDUIT NOTES:

RUN	CONDUIT AND CABLE DESCRIPTION	% FILL
4	NEW 3"C, 12PR#19 RRIC	4%
5	EX 3"C, 12PR#19 RRIC	4%
6	NEW 3"C, 12PR#19 RRIC	4%
7	NEW 2"C, 12PR#19 RRIC	9%
8	NEW 2"C, 12PR#19 TSIC	9%
9	EX 2"C, 12PR#19 RRIC (SEE DWG TR73008 FOR CONTINUATION)	9%
10	EX 2"C, 12PR#19 TSIC (SEE DWG TR73008 FOR CONTINUATION)	9%
11	NEW 3"C, RE-ROUTED 12PR#19 TSIC	4%
12	NEW 3"C, ADD 4-4#20C DLC	8%
13	EX 2"C, 12PR#19 TSIC	9%
14	EX 2"C, ADD 4-4#20C DLC	6%
15	EX 2"C, ADD 1-DLC, ADD 1-4#20C DLC	3%
16	EX 2"C, ADD 3-DLC	4%
17	NEW 2"C, 3-DLC	7%
18	NEW 3"C, 3#6(SERVICE)	7%
19	EX 3"C, TS CONDUCTORS, ADD 4-DLC	12%
20	EX 2-3"C, TS CONDUCTORS, 12PR#19 TSIC, ADD 4-DLC	27%

NB ALABAMA ST QUEUE CUTTER
PROPOSED PHASE DIAGRAM



NOTE: RAILROAD PREEMPTION IS "ALL RED" OPERATION.
OCCUPIED QUEUE DETECTION IS "ALL RED OPERATION.

TCR = 22 SECONDS

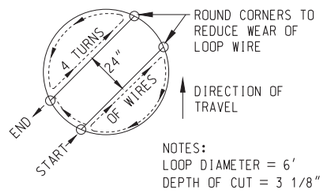
NB ALABAMA ST QUEUE CUTTER
DETECTOR ASSIGNMENT

DETECTOR	PHASE	CHANNEL	FIELD TERMINAL
1	6	25	FIT13 – 1&2
2	6	26	FIT13 – 6&7
3	6	27	FIT14 – 1&2
4	6	28	FIT14 – 6&7
5	6	29	FIT15 – 1&2
6	6	30	FIT15 – 6&7
7	6 CAVDS	31	FIT16 – 1&2
8	6 CAVDS	32	FIT16 – 6&7
9	6 CAVDS	33	FIT17 – 1&2
10	6	34	FIT17 – 6&7
11	6	35	FIT18 – 1&2
12	6	36	FIT18 – 6&7
13	6	37	FIT19 – 1&2
47	RR1	47	FIT24 – 1&2
48	RR2	48	FIT24 – 6&7

ALABAMA ST & INDUSTRIAL PARK AVE
DETECTOR ASSIGNMENT

DETECTOR	PHASE	CHANNEL	FIELD TERMINAL
1	6	29	FIT15 – 1&2
2	6	30	FIT15 – 6&7
3	6	31	FIT16 – 1&2
4	6	25	VIDEO
5	6	28	VIDEO
6	1	27	VIDEO
7	8	35	VIDEO
8	2	1	VIDEO
9	2	2	VIDEO
10	2	4	VIDEO
11	2	4	VIDEO
12	5	3	VIDEO
13	4	11	VIDEO
PPB	2	21	FIT11 – 1&2
PPB	4	22	FIT11 – 6&7
PPB	6	23	FIT12 – 1&2
PPB	8	24	FIT12 – 6&7
EVPE	2 & 5	43	FIT22 – 1&2&5
EVPE	4 & 7	45	FIT23 – 1&2&5
EVPE	1 & 6	44	FIT22 – 6&7&10
EVPE	3 & 8	46	FIT23 – 6&7&10

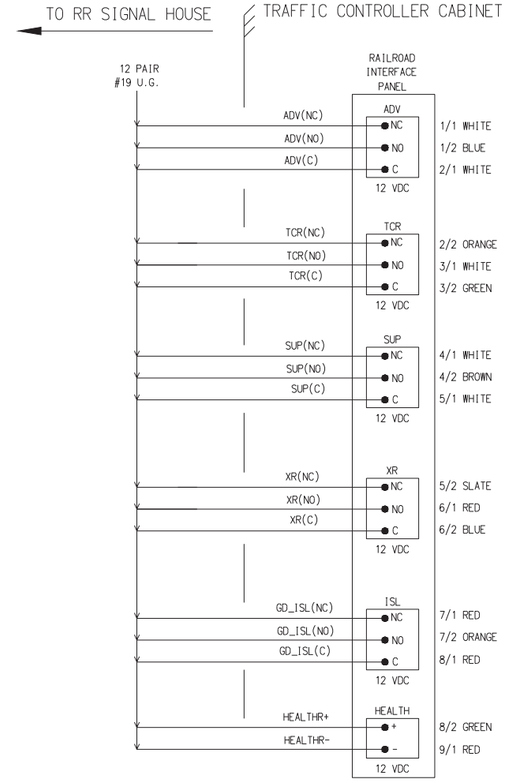
DETAIL E



NOTES:
LOOP DIAMETER = 6'
DEPTH OF CUT = 3 1/8"

MODIFIED TYPE E FRONT DETECTOR FOR BICYCLES AND VEHICLES
N.T.S.

RAILROAD INTERCONNECT CIRCUIT DIAGRAM



RAILROAD INTERCONNECT CIRCUITS:

TCR = ADVANCE PREEMPTION - TRANSFER ROW TO TRACK CLEARANCE GREEN INTERVAL

SUP = SUPERVISION - CHECKS THE INTEGRITY OF THE TCR CIRCUIT.

HEALTH = INDICATES TO RAILROAD TRAFFIC SIGNAL IS IN HARDWARE FLASH OR THERE'S A POWER OUTAGE.

COLOR CODE CHART		
PAIR NO.	MAJOR COLOR (WIRE #1)	MINOR COLOR (WIRE #2)
#1	WHITE	BLUE
#2	WHITE	ORANGE
#3	WHITE	GREEN
#4	WHITE	BROWN
#5	WHITE	SLATE
#6	RED	BLUE
#7	RED	ORANGE
#8	RED	GREEN
#9	RED	BROWN
#10	RED	SLATE
#11	BLACK	BLUE
#12	BLACK	ORANGE

PAIR NO. 1/1 WIRE NO.

REV.	DATE		BY	SUB.	APP.

DESIGNED BY B. HANSEN
DRAWN BY B. HANSEN
CHECKED BY N. MINICILLI
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

STC TRAFFIC
5865 AVENIDA ENCINAS, #142-B
CARLSBAD, CA 92008
PH: 760-602-4290
WWW.STCTRAFFIC.COM

APPROVED: _____

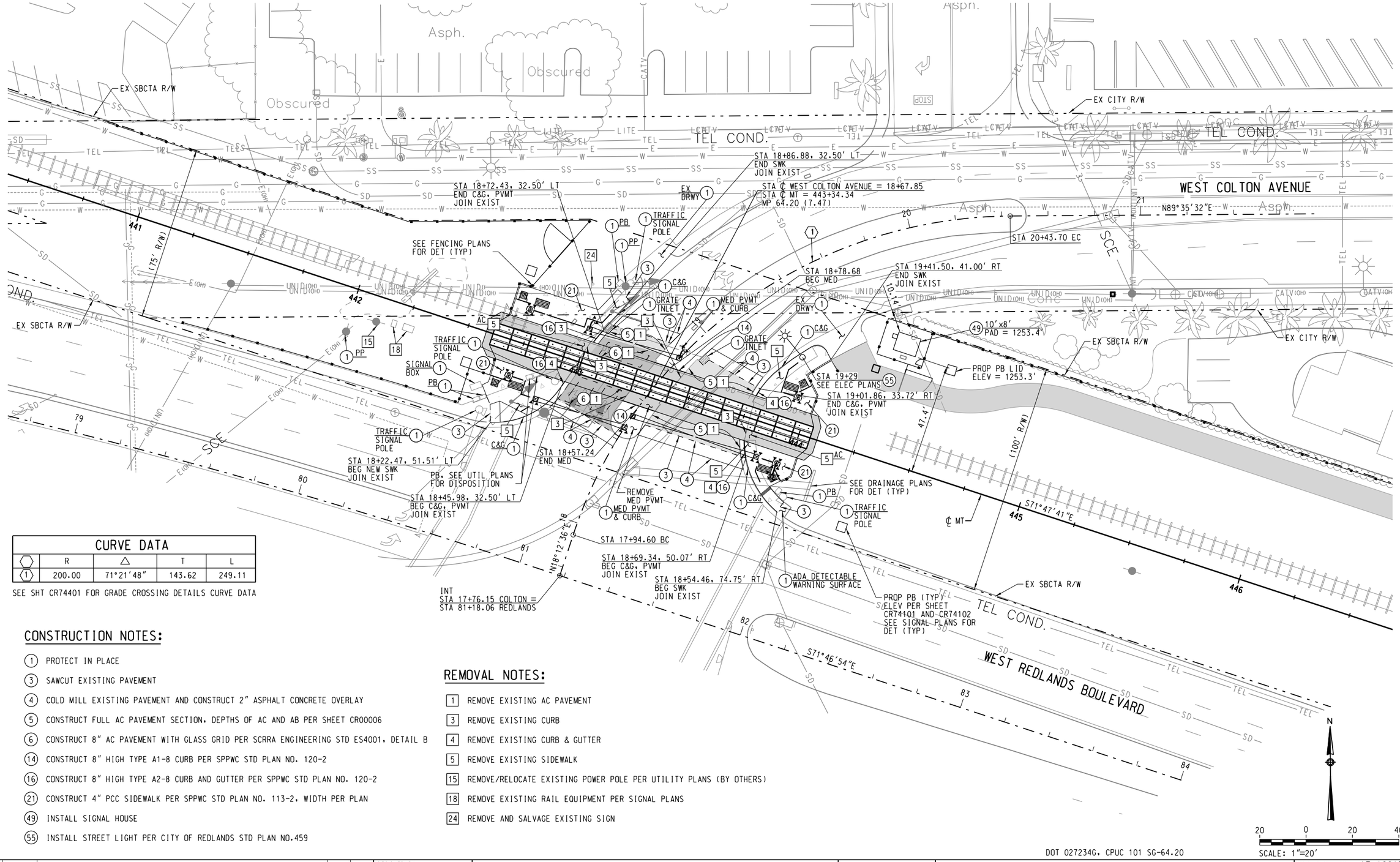
REGISTERED PROFESSIONAL ENGINEER — NICHOLAS M. MINICILLI — NO. 74667 — CIVIL — STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

TRAFFIC SIGNAL PLAN
NB ALABAMA ST. QUEUE CUTTER/INTERCONNECT
(SHEET 2 OF 2)

CONTRACT NO. C15-1001093
DRAWING NO. TR73011
REVISION | SHEET NO.
SCALE NTS

04/17/2018 2:48 PM brandon schlueter
s:\projects\hdr\0398_redlands passenger rail design project\07_engineering\cadd\dlv\26495-14-tr73011.dwg
sonoma_prpf_ext.ctb



CURVE DATA				
	R	Δ	T	L
1	200.00	71°21'48"	143.62	249.11

SEE SHT CR74401 FOR GRADE CROSSING DETAILS CURVE DATA

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
3. SAWCUT EXISTING PAVEMENT
4. COLD MILL EXISTING PAVEMENT AND CONSTRUCT 2" ASPHALT CONCRETE OVERLAY
5. CONSTRUCT FULL AC PAVEMENT SECTION, DEPTHS OF AC AND AB PER SHEET CR00006
6. CONSTRUCT 8" AC PAVEMENT WITH GLASS GRID PER SCRRA ENGINEERING STD ES4001, DETAIL B
14. CONSTRUCT 8" HIGH TYPE A1-8 CURB PER SPPWC STD PLAN NO. 120-2
16. CONSTRUCT 8" HIGH TYPE A2-8 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2
21. CONSTRUCT 4" PCC SIDEWALK PER SPPWC STD PLAN NO. 113-2, WIDTH PER PLAN
49. INSTALL SIGNAL HOUSE
55. INSTALL STREET LIGHT PER CITY OF REDLANDS STD PLAN NO.459

REMOVAL NOTES:

1. REMOVE EXISTING AC PAVEMENT
3. REMOVE EXISTING CURB
4. REMOVE EXISTING CURB & GUTTER
5. REMOVE EXISTING SIDEWALK
15. REMOVE/RELOCATE EXISTING POWER POLE PER UTILITY PLANS (BY OTHERS)
18. REMOVE EXISTING RAIL EQUIPMENT PER SIGNAL PLANS
24. REMOVE AND SALVAGE EXISTING SIGN

DOT 027234G, CPUC 101 SG-64.20

20 0 20 40
SCALE: 1"=20'

REV.	DATE		BY SUB.	APP.

DESIGNED BY J. SONG
DRAWN BY W. STEBOK
CHECKED BY C. CHRISTOPLIS
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

100% SUBMITTAL
NOT FOR CONSTRUCTION

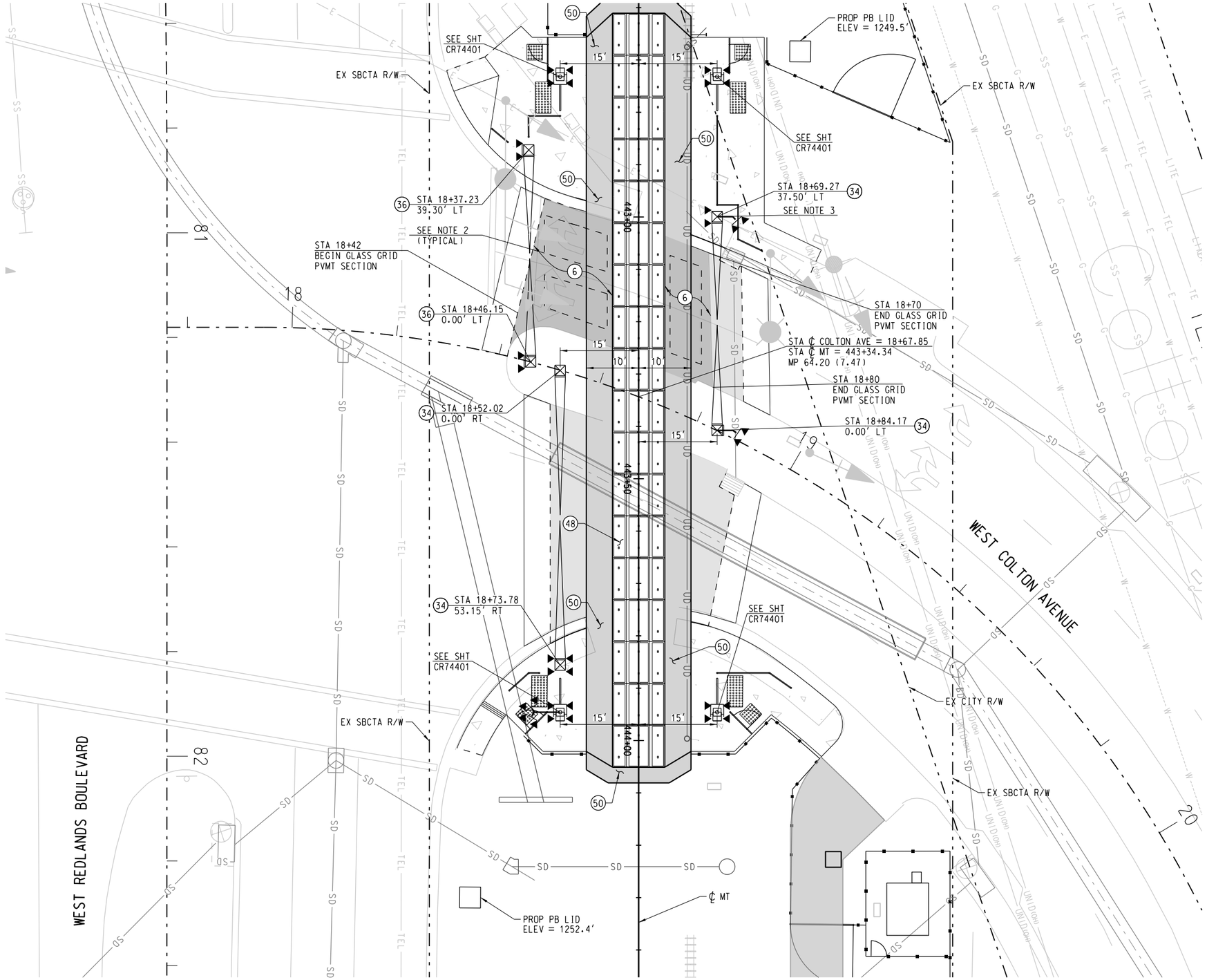
REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
WEST COLTON AVENUE – MP 64.20 (7.47)
LAYOUT

CONTRACT NO. 17-1001705
DRAWING NO. CR74101
REVISION | SHEET NO.
SCALE 1"=20'

Redlands Regular Meeting of 09-20-2022

12/19/2017 9:19:22 AM
OMAP-INPICS01\ICS1\PDF\921\883953_121726495-06-CR74101.DGN
C:\Projects\SANBAG-CTC-0715\SANBAG-CTC-HLF Roadway\working\cad\CR74101.dgn
\\Program Files (x86)\Common Files\InterPlot\IPLOT\bin\iploldrvm.plt
OMAP-INPICS02$



CONSTRUCTION NOTES:

(6) CONSTRUCT 8" AC PAVEMENT WITH GLASS GRID PER SCRRA ENGINEERING STD ES4001, DETAIL B
(34) INSTALL CPUC STD NO. 9 ACTIVE WARNING DEVICE PER SCRRA ENGINEERING STD ES8300
(36) INSTALL CPUC STD NO. 9E ACTIVE WARNING DEVICE PER SCRRA ENGINEERING STD ES8300
(48) INSTALL PRECAST CONCRETE PANELS PER SCRRA ENGINEERING STD ES4201, LAYOUT PER TRACK PLANS
(50) CONSTRUCT ASPHALT CONCRETE PAVEMENT AND RAMP PER SCRRA ENGINEERING STD ES4201

NOTES:

1. PEDESTRIAN FACILITIES AT VEHICLE CROSSINGS SHALL COMPLY WITH SCRRA ENGINEERING STANDARDS ES4011 AND ES4012, WHICHEVER IS APPLICABLE.
2. INSTALL VEHICLE DETECTION LOOPS PER SCRRA ENGINEERING STANDARDS ES4001 AND ES8405.
3. PROTECT UTILITY - HAND DIG OR POTHOLE EXISTING UTILITY LINE.

12/19/2017 9:19:58 AM OMAP-INPICS03$
C:\Projects\OMAP-INPICS01\CS1for PDF\923\883953_12\26495-06-CR74102.DGN
C:\Projects\OMAP-INPICS01\CS1for PDF\923\883953_12\26495-06-CR74102.DGN
C:\Program Files (x86)\Common Files\InterPlot\IPLOT\bin\plotdrvm.plt

REV.	DATE		BY SUB.	APP.

DESIGNED BY J. SONG
DRAWN BY W. STEBOK
CHECKED BY C. CHRISTOPLIS
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

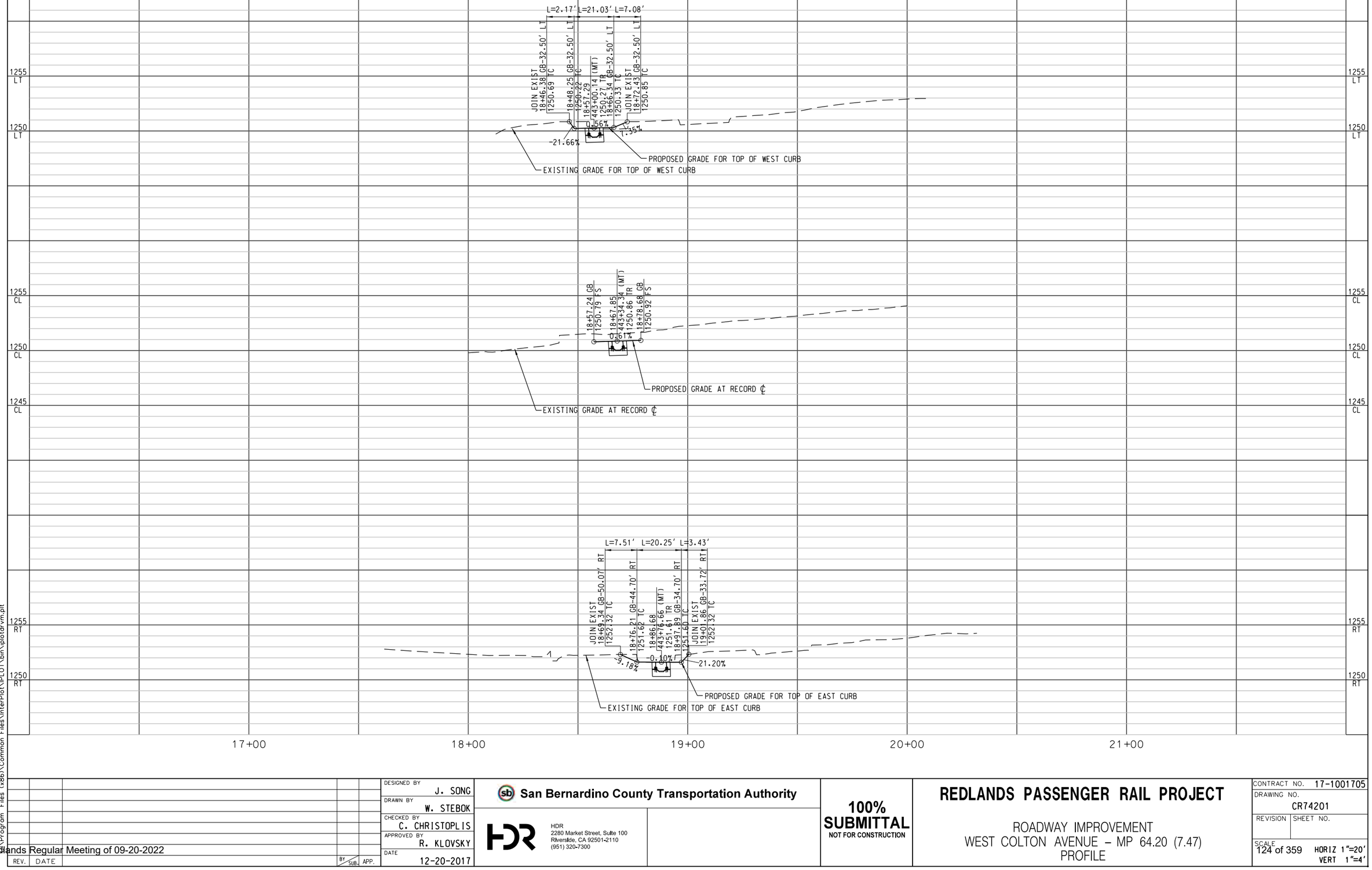
HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
WEST COLTON AVENUE – MP 64.20 (7.47)
GRADE CROSSING LAYOUT

CONTRACT NO. 17-1001705
DRAWING NO. CR74102
REVISION | SHEET NO.
SCALE 1"=10'



12/19/2017 9:14:17 AM OMAP-INPICS01$
\\OMAP-INPICS01\CS1$\PDF\921\883953_1992\26495-06-CR74201.DGN
Document Name: C:\DOCUME~1\SSAMUEL\LOCALS~1\Temp\AcPublish_1564\CR74201.dgn
User Name: Program Files (x86)\Common Files\InterPlot\IPLOT\bin\plotdrvm.plt

Redlands Regular Meeting of 09-20-2022

REV.	DATE		BY	SUB.	APP.

DESIGNED BY	J. SONG
DRAWN BY	W. STEBOK
CHECKED BY	C. CHRISTOPLIS
APPROVED BY	R. KLOVSKY
DATE	12-20-2017

San Bernardino County Transportation Authority

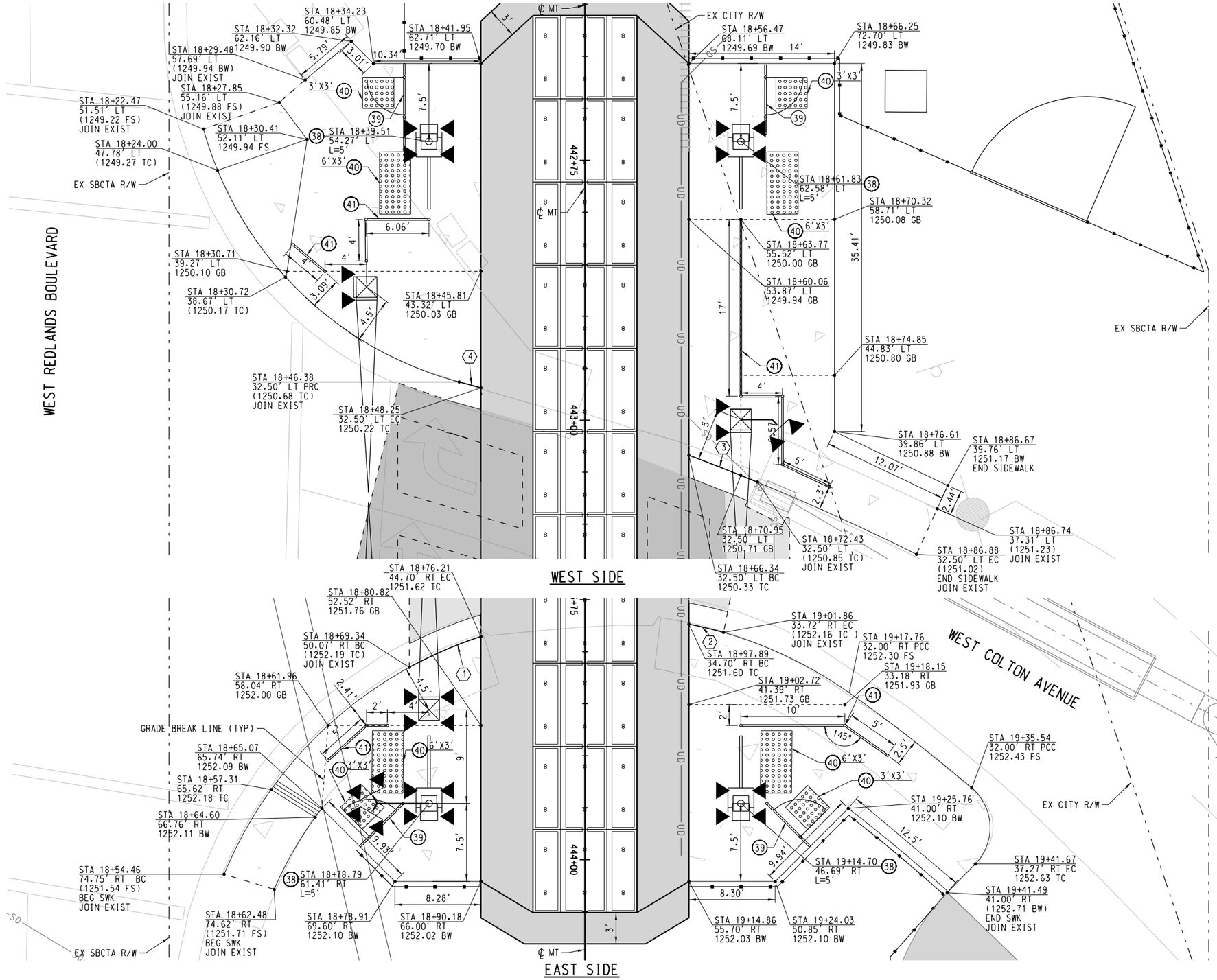
HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
WEST COLTON AVENUE – MP 64.20 (7.47)
PROFILE

CONTRACT NO.	17-1001705
DRAWING NO.	CR74201
REVISION	SHEET NO.
SCALE	HORIZ 1"=20'
124 of 359	VERT 1"=4'



CONSTRUCTION NOTES:

(38) INSTALL CPUC STD NO. 9 PEDESTRIAN AUTOMATIC WARNING DEVICE WITH GATE ARM PER SCRRA ENGINEERING STD ES8300, LENGTH PER PLAN
(39) INSTALL PEDESTRIAN SWING GATE PER SCRRA ENGINEERING STD ES4002, LAYOUT PER PLAN
(40) INSTALL ADA DETECTABLE WARNING SURFACE (RAISED TRUNCATED DOME), DIMENSIONS PER PLAN
(41) INSTALL METAL HAND RAILING PER SCRRA ENGINEERING STD ES4005

NOTES:

1. PEDESTRIAN FACILITIES AT VEHICLE CROSSINGS SHALL COMPLY WITH SCRRA ENGINEERING STANDARDS ES4011 AND ES4012, WHICHEVER IS APPLICABLE.
2. SEE ROADWAY LAYOUT SHEET FOR STATIONING.

CURVE DATA

	R	△	T	L
1	40.00	10°45'46"	3.77	7.51
2	40.00'	4°54'41"	1.72	3.43
3	232.50	1°44'42"	3.54	7.08
4	232.50	0°32'05"	1.09	2.17

12/19/2017 9:19:57 AM OMAP-INPICS03$
\\OMAP-INPICS01\CS1forPDF_923\883953_12A_126495-06-CR74401.DGN
Layout Name: ssc-d25-65-SSAMP-HAT, User Name: ssc-d25-65-SSAMP-HAT
\\Program Files (x86)\Common Files\InterPlot\IPLOT\bin\iplotdrvm.plt

REV.	DATE		BY	SUB.	APP.

DESIGNED BY J. SONG
DRAWN BY W. STEBOK
CHECKED BY C. CHRISTOPLIS
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

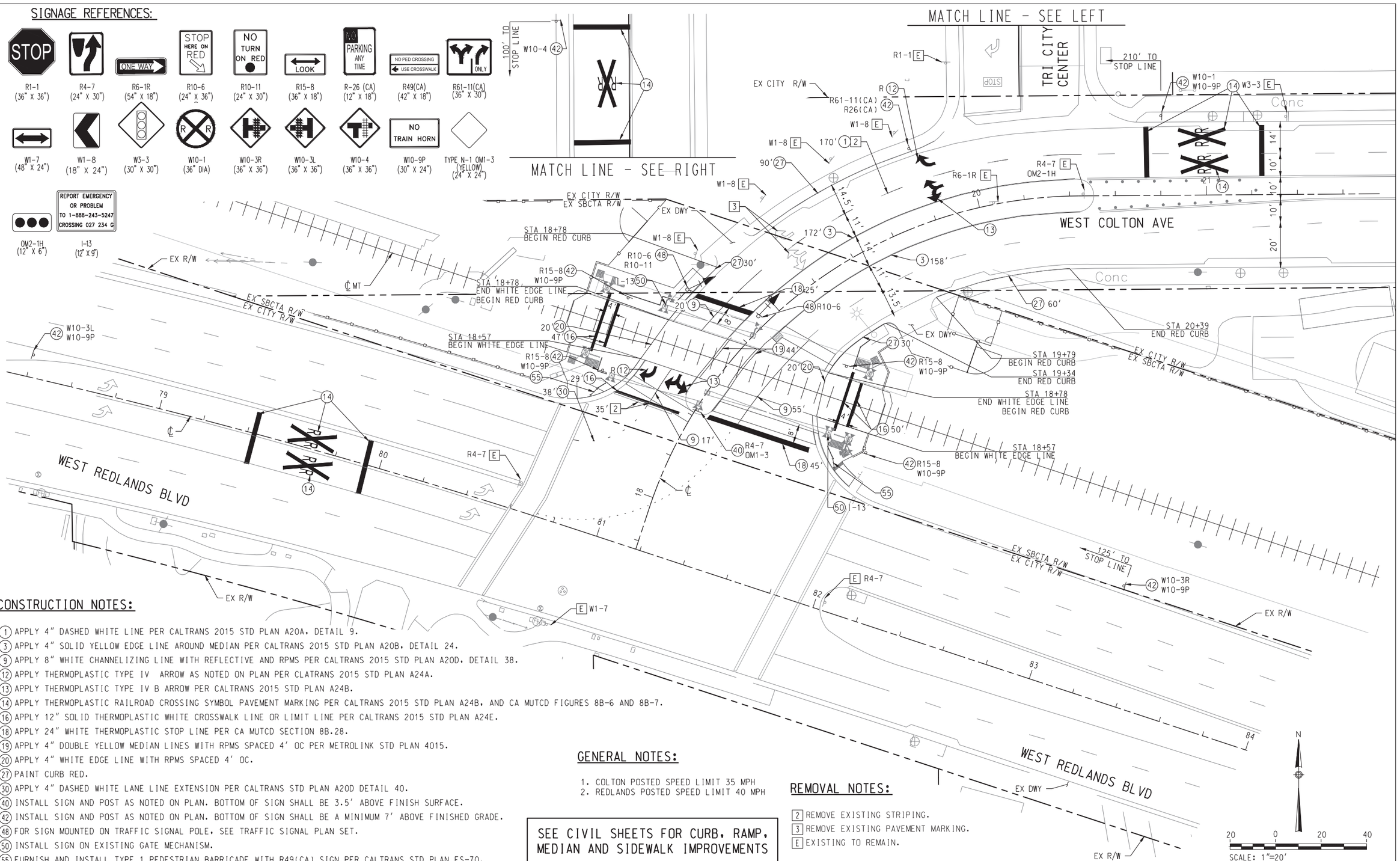
100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
WEST COLTON AVENUE – MP 64.20 (7.47)
GRADE CROSSING DETAILS

CONTRACT NO. 17-1001705
DRAWING NO. CR74401
REVISION | SHEET NO.
SCALE 1"=5'

SIGNAGE REFERENCES:



CONSTRUCTION NOTES:

(1) APPLY 4" DASHED WHITE LINE PER CALTRANS 2015 STD PLAN A20A, DETAIL 9.
(3) APPLY 4" SOLID YELLOW EDGE LINE AROUND MEDIAN PER CALTRANS 2015 STD PLAN A20B, DETAIL 24.
(9) APPLY 8" WHITE CHANNELIZING LINE WITH REFLECTIVE AND RPMS PER CALTRANS 2015 STD PLAN A20D, DETAIL 38.
(12) APPLY THERMOPLASTIC TYPE IV ARROW AS NOTED ON PLAN PER CLATRANS 2015 STD PLAN A24A.
(13) APPLY THERMOPLASTIC TYPE IV B ARROW PER CALTRANS 2015 STD PLAN A24B.
(14) APPLY THERMOPLASTIC RAILROAD CROSSING SYMBOL PAVEMENT MARKING PER CALTRANS 2015 STD PLAN A24B, AND CA MUTCD FIGURES 8B-6 AND 8B-7.
(16) APPLY 12" SOLID THERMOPLASTIC WHITE CROSSWALK LINE OR LIMIT LINE PER CALTRANS 2015 STD PLAN A24E.
(18) APPLY 24" WHITE THERMOPLASTIC STOP LINE PER CA MUTCD SECTION 8B.28.
(19) APPLY 4" DOUBLE YELLOW MEDIAN LINES WITH RPMS SPACED 4' OC PER METROLINK STD PLAN 4015.
(20) APPLY 4" WHITE EDGE LINE WITH RPMS SPACED 4' OC.
(27) PAINT CURB RED.
(30) APPLY 4" DASHED WHITE LANE LINE EXTENSION PER CALTRANS STD PLAN A20D DETAIL 40.
(40) INSTALL SIGN AND POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE 3.5' ABOVE FINISH SURFACE.
(42) INSTALL SIGN AND POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE A MINIMUM 7' ABOVE FINISHED GRADE.
(48) FOR SIGN MOUNTED ON TRAFFIC SIGNAL POLE, SEE TRAFFIC SIGNAL PLAN SET.
(50) INSTALL SIGN ON EXISTING GATE MECHANISM.
(55) FURNISH AND INSTALL TYPE 1 PEDESTRIAN BARRICADE WITH R49(CA) SIGN PER CALTRANS STD PLAN ES-7D.

GENERAL NOTES:

1. COLTON POSTED SPEED LIMIT 35 MPH
2. REDLANDS POSTED SPEED LIMIT 40 MPH

SEE CIVIL SHEETS FOR CURB, RAMP, MEDIAN AND SIDEWALK IMPROVEMENTS

REMOVAL NOTES:

[2] REMOVE EXISTING STRIPING.
[3] REMOVE EXISTING PAVEMENT MARKING.
[E] EXISTING TO REMAIN.

REV.	DATE		BY	SUB.	APP.

DESIGNED BY B. SCHLUETER
DRAWN BY B. SCHLUETER
CHECKED BY N. MINICILLI
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

STC TRAFFIC
5865 AVENIDA ENCINAS, #142-B
CARLSBAD, CA 92008
PH: 760-602-4290
WWW.STCTRAFFIC.COM

APPROVED: _____

100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
WEST COLTON AVENUE - MP 64.20 (7.47)
SIGNING AND STRIPING

CONTRACT NO. C15-1001093
DRAWING NO. CR74501
REVISION | SHEET NO.
SCALE HORIZ 1"=20'

12/19/2017 2:48 PM brandon schlueter
s:\projects\hdr\0398_redlands passenger rail design project\07_engineering\cadd\div\26495-06-cr74501.dwg
sonstacd.ctb

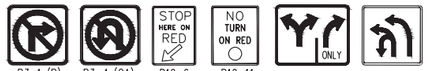
*CONDUCTOR SCHEDULE

AWG OR CABLE SIZE	POLE OR CIRCUIT		CONDUIT RUNS 1	2	3	4	5	6	7	8	9
3 CSC / 12 CSC	POLE A	ø2,ø4/OLA,ø5,ø8P, ø8PPB	1/2		1					1/2	
	POLE B	ø4/OLA		–	–	–				–	
	POLE C	ø2,ø4/OLA,ø4P, ø4PPB			1/1					1/1	
	POLE D	ø6,ø4P,ø4PPB								1/1	
	POLE E	ø7/OLB							–/1	–/1	
	POLE F	ø5,ø6,ø8P,ø8PPB				1/1			1/1	1/1	
	POLE G	ø7/OLB						–/1	–/1	–/1	
	POLE H	ø7/OLB					–/1	–/1	–/1	–/1	
TOTAL 3 CSC / 12 CSC CABLES			1/2	–	1/2	1/1	–	1/1	2/1	4/4	–
#6	SERVICE				3					3	
#8	SAFETY LIGHTING		2		2	2		2●	2	2	
#8	SIGNAL COMMON		1	1	1	1	1	1	1	1	
TYPE B DLC	ø7/OLB							2●	4●	4●	
	ø4/OLA								2●	2●	
	TOTAL DLCs							2●	4●	4●	
EVPE CABLE			1		1					2	
VIDEO DETECTION CABLE			1		2			1▲	1▲	3	
TRAFFIC SIGNAL INTERCONNECT (12PR#19)											1
RAILROAD INTERCONNECT (12PR#19)							1●	1●	1●	1●	
CONDUIT SIZE (INCHES)			4"	3"●	4"	4"	3"●	4"	4"	2–4"	2"
CONDUIT FILL (%)			13%	7%	21%	6%	14%	14%	26%	24%	9%

* ALL CONDUIT AND CONDUCTORS ARE EXISTING UNLESS NOTED:
(●) = NEW
(▲) = REPULL

NOTE: NEW AND EXISTING DLC'S SHALL BE REASSIGNED TO DETECTOR INPUTS AS SHOWN ON PLAN AND THE DETECTOR ASSIGNMENT TABLE.

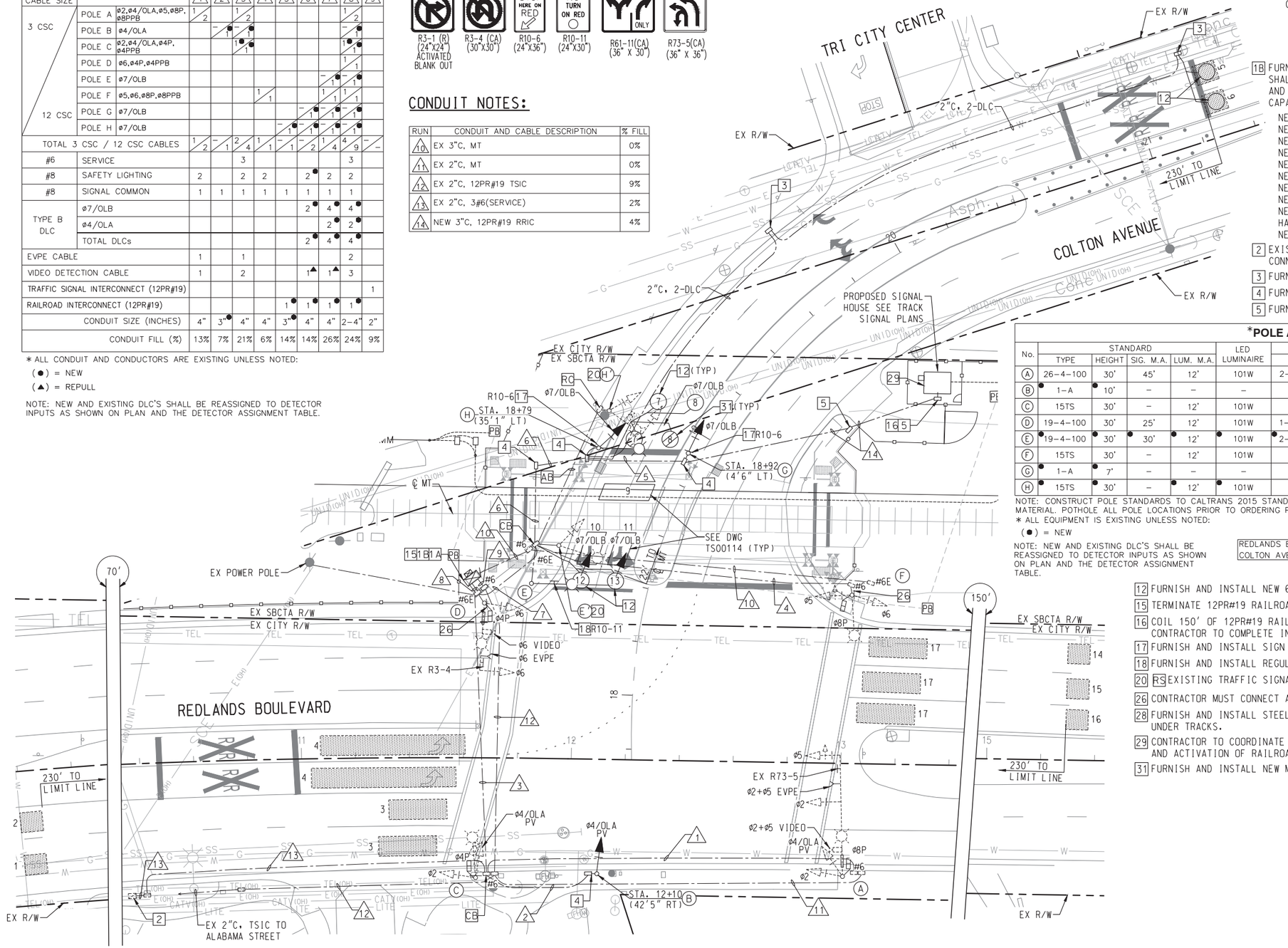
SIGNAGE REFERENCES:



R3-1 (R) (24"X24" ACTIVATED BLANK OUT) | R3-4 (CA) (30"X30") | R10-6 (24"X36") | R10-11 (24"X30") | R61-11(CA) (36" X 30") | R73-5(CA) (36" X 36")

CONDUIT NOTES:

RUN	CONDUIT AND CABLE DESCRIPTION	% FILL
10	EX 3"C, MT	0%
11	EX 2"C, MT	0%
12	EX 2"C, 12PR#19 TSIC	9%
13	EX 2"C, 3#6(SERVICE)	2%
14	NEW 3"C, 12PR#19 RRIC	4%



CONSTRUCTION NOTES:

1A RS EXISTING NEMA TYPE "P" CABINET ON RAISED 18" P.C.C. FOUNDATION. RELOCATE THE FOLLOWING EQUIPMENT TO NEW PROPOSED CONTROLLER CABINET:
ITERIS VANTAGE EDGE 2 VIDEO DETECTION PROCESSOR
VIDEO MONITORING SCREEN
GTT 764 PHASE SELECTOR
SIDE MOUNTED MYERS BATTERY BACKUP SYSTEM (BBS)

1B FURNISH AND INSTALL 350i ATC CABINET ON EXISTING FOUNDATION. CABINET SHALL HAVE INTERNAL LED LIGHT, DOOR SWITCH, PULL-OUT DOCUMENT DRAWER, AND CITY SPECIFIED LOCKS. CABINET SHALL BE WIRED FOR RED MONITOR CAPABILITY. CABINET SHALL BE EQUIPPED WITH:
NEW McCAIN MODEL FLEX ATC CONTROLLER WITH OMNI SOFTWARE
NEW EDI CMUip-2212-HV CONFLICT MONITOR UNIT
NEW EDI AUXILIARY DISPLAY UNIT FOR ATC CABINET
NEW McCAIN RAILROAD INTERFACE PANEL. TERMINATE RRIC.
NEW DYMEC KY-3170EMX-10 PORT GIGABIT ETHERNET EXTENDER
NEW ENABLE IT 860 PRO GIGABIT ETHERNET EXTENDER
NEW SIERRA WIRELESS AIRLINK MG90 ROUTER
NEW PUNCH DOWN BLOCK FOR TRAFFIC SIGNAL INTERCONNECT. TERMINATE TSIC.
NEW RENO A&E MODEL U-1400 VEHICLE DETECTOR UNITS WITH MODEL 805-8-S HARNESS AS NEEDED
NEW RENO A&E MODEL C-1000 VEHICLE DETECTOR UNITS AS NEEDED

2 EXISTING TYPE-III-CF DUAL METER SERVICE PEDESTAL. PROTECT IN PLACE. CONNECT EXISTING SERVICE TO NEW CABINET.

3 FURNISH AND INSTALL NEW #5 PULL BOX WITH TAMPER PROOF LID.

4 FURNISH AND INSTALL NEW #6 PULL BOX WITH TAMPER PROOF LID.

5 FURNISH AND INSTALL NEW #6E PULL BOX WITH TAMPER PROOF LID.

*POLE AND EQUIPMENT SCHEDULE

No.	STANDARD TYPE	HEIGHT	SIG. M.A.	LUM. M.A.	LED LUMINAIRE	SIG MTG VEHICLE	SIG MTG PED	PPB PHASE	POLE LOCATION A	POLE LOCATION B	RSNS	REMARKS
(A)	26-4-100	30'	45'	12'	101W	2-MAS	SV-2-T	SP-1-T	ø8P	EXISTING	Colton Ave	–
(B)	1-A●	10'	–	–	–	–	TV-1-T●	–	–	SEE PLAN	–	–
(C)	15TS	30'	–	12'	101W	–	SV-2-T	SP-1-T	ø4P	EXISTING	Redlands Blvd	
(D)	19-4-100	30'	25'	12'	101W	1-MAS	SV-1-T	SP-1-T	ø4P	EXISTING	Colton Ave	
(E)	19-4-100●	30'●	30'●	12'●	101W●	2-MAS	–	–	–	20'	4'8"	–	–
(F)	15TS	30'	–	12'	101W	–	SV-2-T	SP-1-T	ø8P	EXISTING	–	–
(G)	1-A●	7'●	–	–	–	–	TV-1-T●	–	–	SEE PLAN	–	VEHICLE HEAD BOTTOM 4'6"
(H)	15TS	30'	–	12'	101W	–	SV-1-T	–	–	SEE PLAN	–	–

NOTE: CONSTRUCT POLE STANDARDS TO CALTRANS 2015 STANDARDS. CONTRACTOR SHALL SUBMIT MATERIAL CUT SHEETS PRIOR TO ORDERING OF MATERIAL. POTHOLE ALL POLE LOCATIONS PRIOR TO ORDERING POLES. PEDESTRIAN MODULES SHALL BE COUNTDOWN TYPE.
* ALL EQUIPMENT IS EXISTING UNLESS NOTED:
(●) = NEW

NOTE: NEW AND EXISTING DLC'S SHALL BE REASSIGNED TO DETECTOR INPUTS AS SHOWN ON PLAN AND THE DETECTOR ASSIGNMENT TABLE.

REDLANDS BLVD POSTED SPEED = 40 MPH
COLTON AVE POSTED SPEED = 35 MPH

EXISTING POLES TO BE RS	
(E)	15TS
(H)	17-2-100

12 FURNISH AND INSTALL NEW 6' DIAMETER TYPE E LOOP DETECTOR PER CALTRANS STD. PLAN ES-5B.

15 TERMINATE 12PR#19 RAILROAD INTERCONNECT CABLE.

16 COIL 150' OF 12PR#19 RAILROAD INTERCONNECT CABLE IN PROPOSED PULL BOX. RAILROAD CONTRACTOR TO COMPLETE INSTALLATION.

17 FURNISH AND INSTALL SIGN ON TRAFFIC SIGNAL POLE AS SHOWN ON PLAN.

18 FURNISH AND INSTALL REGULATORY SIGN ON TRAFFIC SIGNAL MAST ARM AS SHOWN ON PLAN.

20 RS EXISTING TRAFFIC SIGNAL STANDARD. DEMO POLE FOUNDATION 36" BELOW FINISH GRADE.

26 CONTRACTOR MUST CONNECT AND COMMISSION EXISTING "BLANK-OUT" SIGN.

28 FURNISH AND INSTALL STEEL CASING PER SCRRA STANDARD PLAN 5001 FOR CONDUIT CROSSING UNDER TRACKS.

29 CONTRACTOR TO COORDINATE WITH RAIL SIGNALING CONTRACTOR FOR INSTALLATION, TERMINATION, AND ACTIVATION OF RAILROAD INTERCONNECT CABLE.

31 FURNISH AND INSTALL NEW MODIFIED TYPE E LOOP DETECTOR PER DETAIL A ON DWG TR73013.

N

20 0 20 40
SCALE: 1"=20'

REV.	DATE		BY	SUB.	APP.

DESIGNED BY B. HANSEN
DRAWN BY B. HANSEN
CHECKED BY N. MINICILLI
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

STC TRAFFIC
5865 AVENIDA ENCINAS, #142-B
CARLSBAD, CA 92008
PH: 760-602-4290
WWW.STCTRAFFIC.COM

APPROVED: _____

100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

TRAFFIC SIGNAL PLAN
WEST COLTON AVENUE AND REDLANDS BOULEVARD
(SHEET 1 OF 2)

CONTRACT NO. C15-1001093
DRAWING NO. TR74012
REVISION | SHEET NO.
SCALE HORIZ 1"=20'

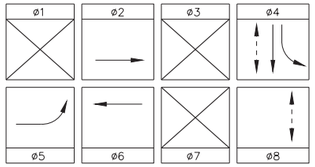
12/20/2017 2:48 PM brandon schlueter
s:\projects\hdr\0398_redlands passenger rail design project\07_engineering\cadd\dlv\26495-14-tr74012.dwg
sch1_rpp_test.ctb

RAILROAD INTERCONNECT CIRCUIT DIAGRAM

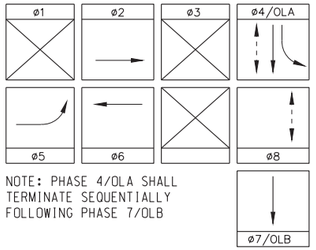
DETECTOR ASSIGNMENT

DETECTOR	PHASE	CHANNEL	FIELD TERMINAL
1	2	2	VIDEO
2	2	3	VIDEO
3	2	4	VIDEO
4	5	1	VIDEO
5	4 (ø7/OLB)	7	TB2 – 1&2
6	4 (ø7/OLB)	8	TB2 – 4&5
7	4 (ø7/OLB)	9	TB2 – 6&7
8	4 (ø7/OLB)	10	TB2 – 9&10
9	4 (ø4/OLA) CAVDS	13	TB3 – 1&2
10	4 (ø4/OLA) CAVDS	14	TB3 – 4&5
11	4 (ø4/OLA) CAVDS	15	TB3 – 6&7
12	4 (ø4/OLA)	11	TB2 – 11&12
13	4 (ø4/OLA)	12	TB2 – 14&15
14	6	27	VIDEO
15	6	28	VIDEO
16	6	29	VIDEO
17	6	30	VIDEO
PPB	4	22	TB4 – 9&10
PPB	8	24	TB4 – 14&15
EVPE	2&5	43	TB8 – 1&2&3
EVPE	6	45	TB8 – 6&7&3

EXISTING PHASE DIAGRAM

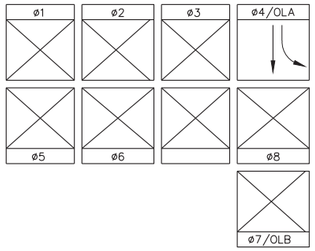


PROPOSED PHASE DIAGRAM

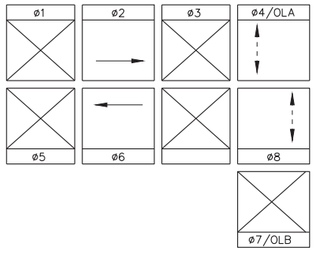


NOTE: PHASE 4/OLA SHALL TERMINATE SEQUENTIALLY FOLLOWING PHASE 7/OLB

RAILROAD PREEMPTION TRACK CLEAR

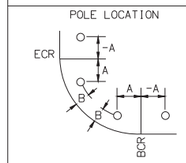


RAILROAD PREEMPTION LIMITED SERVICE



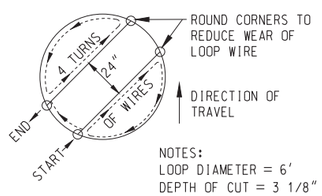
TCR = 41 SECONDS, ADV = 70 SECONDS

POLE LOCATION DETAIL



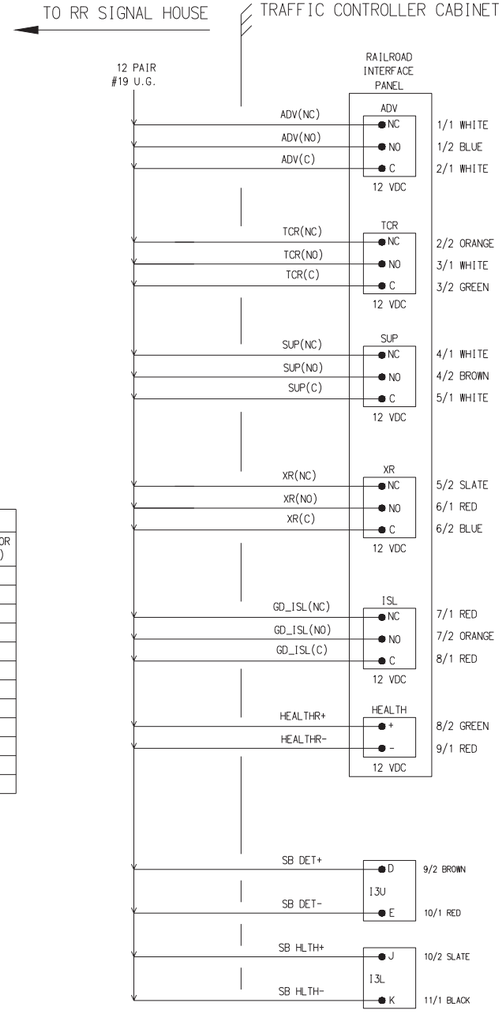
EXACT LOCATION BY ENGINEER IN THE FIELD

DETAIL E



NOTES:
LOOP DIAMETER = 6'
DEPTH OF CUT = 3 1/8"

MODIFIED TYPE E FRONT DETECTOR FOR BICYCLES AND VEHICLES
N.T.S.



COLOR CODE CHART		
PAIR NO.	MAJOR COLOR (WIRE #1)	MINOR COLOR (WIRE #2)
#1	WHITE	BLUE
#2	WHITE	ORANGE
#3	WHITE	GREEN
#4	WHITE	BROWN
#5	WHITE	SLATE
#6	RED	BLUE
#7	RED	ORANGE
#8	RED	GREEN
#9	RED	BROWN
#10	RED	SLATE
#11	BLACK	BLUE
#12	BLACK	ORANGE

PAIR NO. 1/1 WIRE NO.

RAILROAD INTERCONNECT CIRCUITS:

ADV = ADVANCE INPUT - CONTINUE SERVICE TO VEHICLES AND PEDESTRIANS. HOLD PEDESTRIAN CALLS UNTIL LIMITED SERVICE INTERVAL.

TCR = ADVANCE PREEMPTION - TRANSFER ROW TO TRACK CLEARANCE GREEN INTERVAL

SUP = SUPERVISION - CHECKS THE INTEGRITY OF THE TCR CIRCUIT.

XR = CROSSING ACTIVE - INDICATES GRADE CROSSING WARNING SYSTEM IS ACTIVE.

GD/ISL = GATE DOWN/ISLAND - EXTEND TRACK CLEARANCE GREEN INTERVAL UNTIL GD/ISL INPUT IS RECEIVED AND CROSSING AREA VEHICLE DETECTION IS NOT OCCUPIED.

HEALTH = INDICATES TO RAILROAD TRAFFIC SIGNAL IS IN HARDWARE FLASH OR THERE'S A POWER OUTAGE.

DET = EXIT GATE - EXTEND TRACK CLEARANCE GREEN INTERVAL UNTIL DETECTION IS NOT OCCUPIED

REV.	DATE		BY	SUB.	APP.

DESIGNED BY B. HANSEN
DRAWN BY B. HANSEN
CHECKED BY N. MINICILLI
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

STC TRAFFIC
5865 AVENIDA ENCINAS, #142-B
CARLSBAD, CA 92008
PH: 760-602-4290
WWW.STCTRAFFIC.COM

APPROVED: _____

100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

TRAFFIC SIGNAL PLAN
WEST COLTON AVENUE AND REDLANDS BOULEVARD
(SHEET 2 OF 2)

CONTRACT NO. C15-1001093
DRAWING NO. TR74013
REVISION | SHEET NO.
SCALE NTS

12/20/2017 2:48 PM brandon schlueter
s:\projects\hdr\0398_redlands passenger rail design project\07_engineering\cadd\div\26495-14-tr74013.dwg
standard_prp_test.ctb

CONSTRUCTION NOTES:

(1) PROTECT IN PLACE

(2) ADJUST TO GRADE, ITEM PER PLAN

(3) SAWCUT EXISTING PAVEMENT

(4) COLD MILL 0.12' EXISTING PAVEMENT AND CONSTRUCT 0.12' ASPHALT CONCRETE OVERLAY

(5) CONSTRUCT FULL AC PAVEMENT SECTION, DEPTHS OF AC AND AB PER SHEET CR00006

(10) CONSTRUCT STAMPED CONCRETE MEDIAN PAVEMENT, 4" PCC OVER 4" SAND FILL OVER 95% COMPACTED NATIVE MATERIAL

(14) CONSTRUCT 8" HIGH TYPE A1-8 CURB PER SPPWC STD PLAN NO. 120-2

(16) CONSTRUCT 8" HIGH TYPE A2-8 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2

(1) (21) CONSTRUCT 4" PCC SIDEWALK PER SPPWC STD PLAN NO. 112-2 AND 113-2, AND PER DETAIL A SHEET CR00006

(24) CONSTRUCT DRIVEWAY PER SPPWC STD PLAN NO. 110-2, TYPE B

(25) CONSTRUCT DRIVEWAY FOR MAINTENANCE ACCESS PER SCRRA ENGINEERING STD ES4011

(29) CONSTRUCT CROSS GUTTER PER SPPWC STD PLAN NO. 122-2

(31) CONSTRUCT LOCAL DEPRESSION PER SPPWC STD PLAN NO. 313-3, CASE PER PLAN. SEE GRADING & DRAINAGE PLANS FOR CATCH BASIN INFORMATION

(44) INSTALL NON-REMOVABLE BOLLARDS PER SHEET CR00006

(49) INSTALL SIGNAL HOUSE

(76) CONSTRUCT CURB RAMP PER SPPWC STD PLAN NO. 111-5, CASE C

CURVE DATA				
No.	R	Δ	T	L
(1)	4.50'	180°00'00"	-	14.14'
(2)	4.50'	180°00'00"	-	14.14'
(3)	35.00'	101°03'36"	42.50'	61.73'
(4)	35.00'	70°44'32"	24.85'	43.21'

REMOVAL NOTES:

[1] REMOVE EXISTING AC PAVEMENT

[4] REMOVE EXISTING CURB & GUTTER

[5] REMOVE EXISTING SIDEWALK

[6] REMOVE EXISTING DRIVEWAY

[7] REMOVE CROSS GUTTER

[8] REMOVE EXISTING POLE/BOLLARD

[9] REMOVE AND SALVAGE EXISTING STREET LIGHT

[10] REMOVE EXISTING RAILROAD SIGNAL

[15] REMOVE/RELOCATE EXISTING POWER POLE, SEE UTILITY DISPOSITION PLANS

[24] REMOVE AND SALVAGE EXISTING SIGN

WEST REDLANDS BOULEVARD

TENNESSEE STREET

EX SBCTA R/W

EX CITY R/W

℄ MT

STA ℄ TENNESSEE STREET = 9+78.81
STA ℄ MT = 461+71.39
MP 64.55 (7.82)

STA ℄ TENNESSEE STREET = 8+82.89
STA ℄ REDLANDS BLVD = 100+00.00

STA 99+03.23 (REDLANDS) ECR
38.83' RT
BEG C&G, PVMT, CROSS GUTTER
JOIN EXIST
(1273.98 TC)
(1273.31 FL)

STA 100+44.98(REDLANDS) BCR
39.39' RT
BEGIN C&G, PVMT, CROSS GUTTER
JOIN EXIST
(1276.51 TC)
(1275.87 FL)

STA 9+35.53
32.36' LT
1274.77 FL

STA 9+23.37
1275.41 FL

9+38.28
32.00' RT ECR

9+13.33
32.00' RT
1275.68 FL

9+68.22
END MED

9+50.18 BC
4.50' LT

9+50.18 BC
4.50' RT

9+89.40
BEG MED

STA 10+05.29
℄ DRWY
W=12'

STA 10+40.00
℄ DRWY
W=12'
42.31'

STA 10+55.65
32.00' LT
END C&G, SWK, PVMT
JOIN EXIST

STA 10+79.62, 32.00' RT
END C&G, SWK & PVMT
JOIN EXIST
(1276.54 TC)

STA 10+41.08
℄ DRWY
W=16'

STA 11+02.94 BC
4.50' LT

STA 11+02.94 EC
4.50' RT

STA 11+11.44, 6.50' LT
END PVMT
JOIN EXIST

STA 11+11.44, 6.50' RT
END PVMT
JOIN EXIST

STA 11+17.01
CASE A

14'x10'
PAD = 1274.0'

PROP PB (TYP)
ELEV PER SHEET CR78102
SEE SIGNAL PLANS (TYP)

TRAFFIC SIGNAL EQUIPMENT TO BE REMOVED/RELOCATED PER TRAFFIC SIGNAL PLANS (TYPICAL)

PB SEE TRAFFIC SIGNAL PLANS

WM AND BFP SEE UTILITY PLANS

SEE DRAINAGE PLANS

EXIST PEDESTRIAN PUSH BUTTONS & PB SEE TRAFFIC SIGNAL PLANS

1 TEL MH

1 EXIST DRWY

1 PP

1 PIV & FH

2 WM, VAULT & BFP

2 CURB DRAIN

1 SWK

5 TOTAL

METERING PEDESTAL SEE ELEC PLANS

SEE FENCING PLANS

SEE DRAINAGE PLANS

S71°46'43"E

S71°47'40"E

N1°2'21"W

460'

100'

51'

45'

32'

64'

Asphalt

Obscured

CHARLES CHRISTOPLIS
No. 045570
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

DOT 027235N, CPUC 101 SG-64.55

SCALE: 1"=20'

REV.	DATE		BY	SUB.	APP.
1	09-20-2022	Regular Meeting	EA		CC

DESIGNED BY J. SONG
DRAWN BY J. KUO
CHECKED BY J. BROWN
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

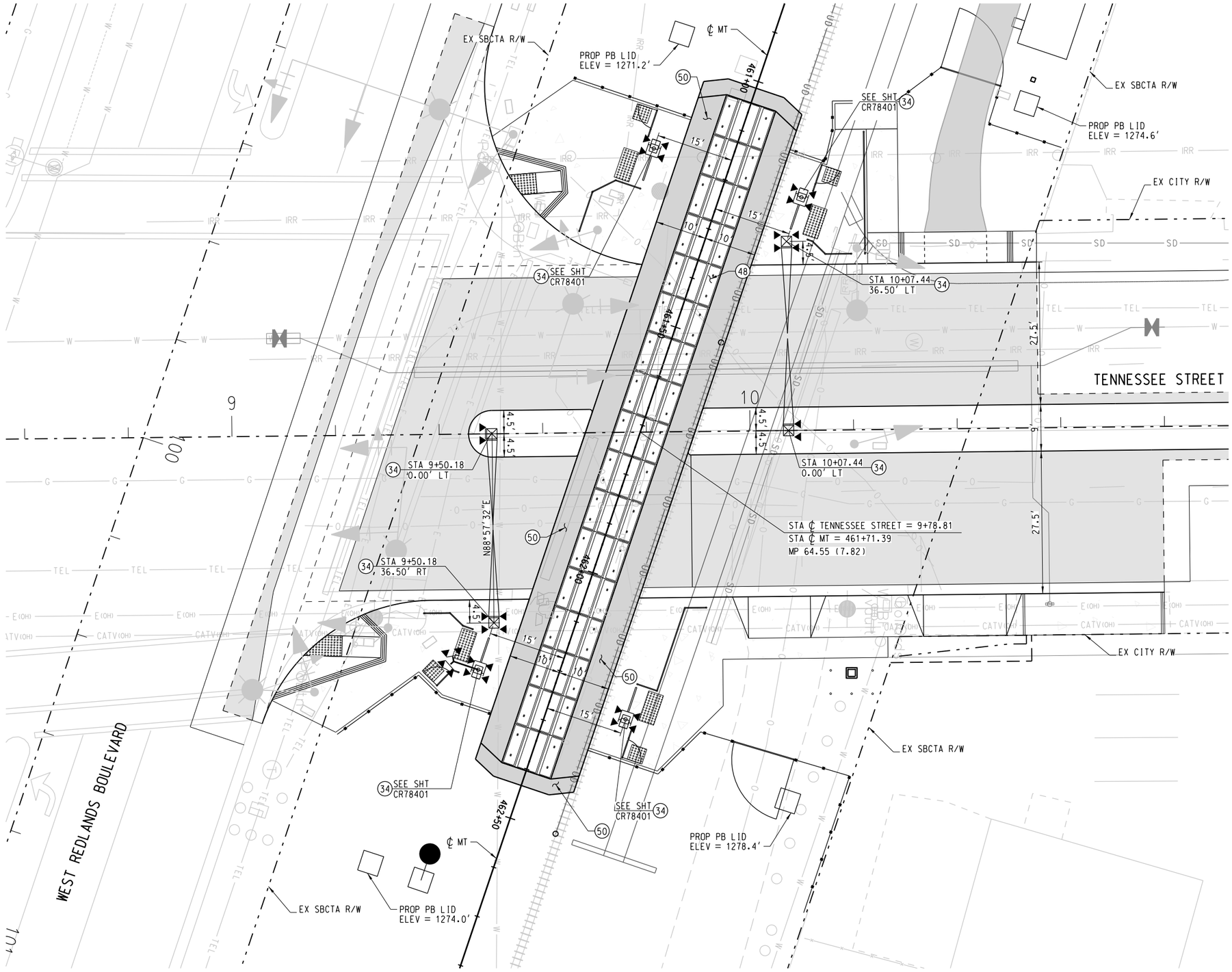
HAO-HENG SONG
No. 71849
Exp. 12/31/19
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
TENNESSEE STREET – MP 64.55 (7.82)
LAYOUT

CONTRACT NO. 17-1001705
DRAWING NO. CR78101
REVISION
SHEET NO. 437 OF 2425
SCALE 1"=20'
129 of 359

8/23/2018 12:07:20 PM OMAP-INPICS02$
\\OMAP-INPICS01\CS1\c-PDF\2515\8835953_125\126495-06-CR78101.DGN
K:\Engineering Services\2515\SANBAG\CS-PLANS\
K:\Program Files (x86)\Common Files\InterPlot\IPLOT.bin\iplotdrvm.plt



CONSTRUCTION NOTES:

(34) INSTALL CPUC STD NO. 9 ACTIVE WARNING DEVICE PER SCRRA ENGINEERING STD ES8300

(48) INSTALL PRECAST CONCRETE PANELS PER SCRRA ENGINEERING STD ES4201, LAYOUT PER TRACK PLANS

(50) CONSTRUCT ASPHALT CONCRETE PAVEMENT AND RAMP PER SCRRA ENGINEERING STD ES4201

NOTE:

1. PEDESTRIAN FACILITIES AT VEHICLE CROSSINGS SHALL COMPLY WITH SCRRA ENGINEERING STANDARDS ES4011 AND ES4012, WHICHEVER IS APPLICABLE.

REV.	DATE		BY	SUB.	APP.

DESIGNED BY: J. SONG
DRAWN BY: J. KUO
CHECKED BY: J. BROWN
APPROVED BY: R. KLOVSKY
DATE: 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

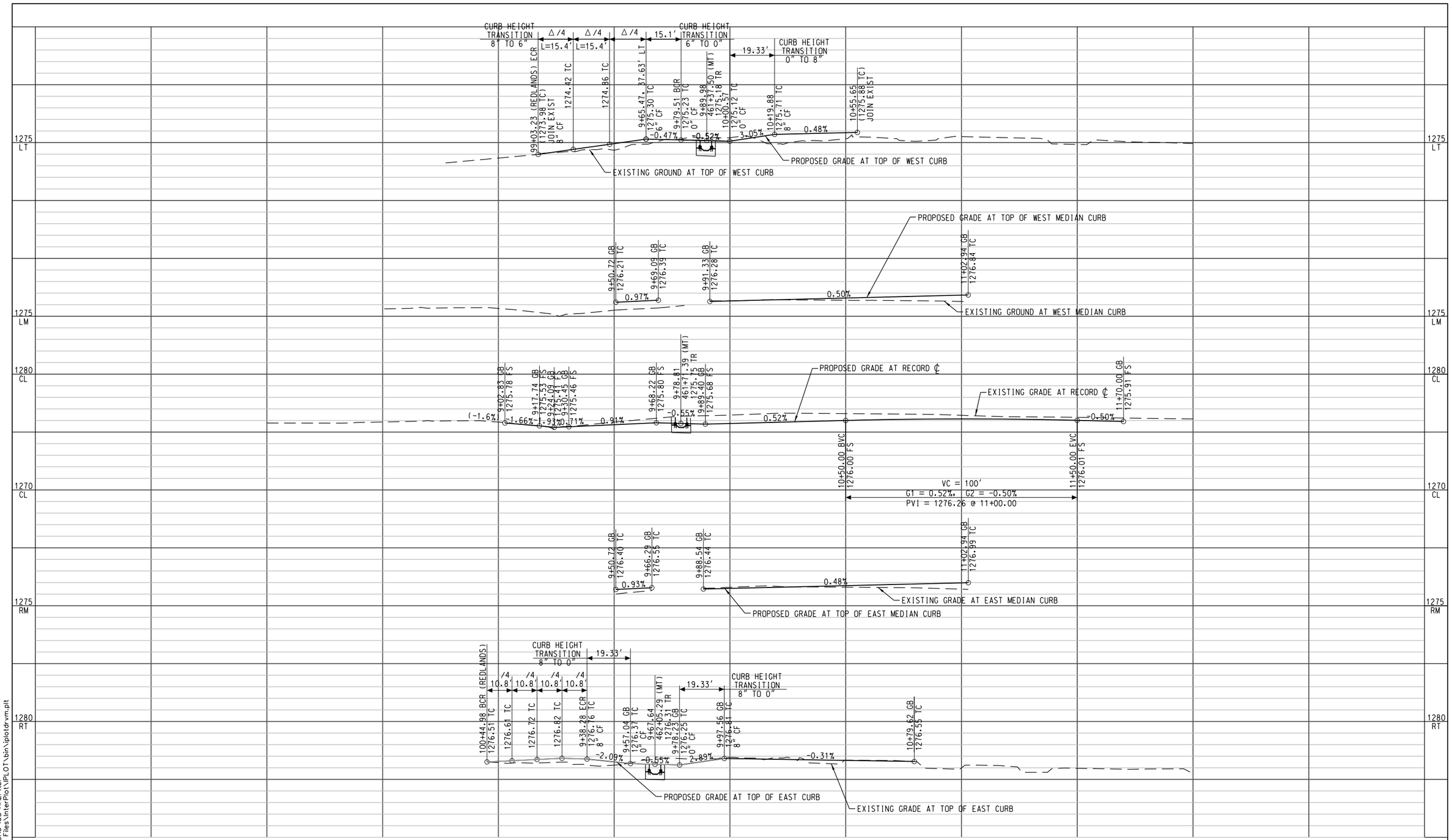
REGISTERED PROFESSIONAL ENGINEER
JIANHENG SONG
No. 71849
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
TENNESSEE STREET – MP 64.55 (7.82)
GRADE CROSSING LAYOUT

CONTRACT NO. 17-1001705
DRAWING NO. CR78102
REVISION | SHEET NO.
SCALE 1"=10'

5/24/2018 10:19:44 AM OMAP-INPICS01$
\\OMAP-INPICS01\CS1\e-PDF\22781.883953.126495-06-CR78102.DGN
K:\Drawing Files\PROJECTS\SAN BERNARDINO COUNTY RAILROADS\
Program Files (x86)\Common Files\InterPlot\IPLOT\bin\iplotdrvm.plt
Redlands Regular Meeting of 09-20-2022



OMAP-INPICS02

10:18:54 AM

5/24/2018
J:\OMAP-INPICS01\CS\ProPDF\227813883953_129726495-06-CR78201.DGN
J:\Engineering\CS\PROJECTS\SANBAG\CS-CHAL-129\Plot\
J:\Program Files (x86)\Common Files\InterPlot\INPLOT\bin\iplotdrvm.plt

Redlands Regular Meeting of 09-20-2022

REV.	DATE		BY	SUB.	APP.

DESIGNED BY	J. SONG
DRAWN BY	J. KUO
CHECKED BY	J. BROWN
APPROVED BY	R. KLOVSKY
DATE	5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

REGISTERED PROFESSIONAL ENGINEER
JIANHENG SONG
No. 71849
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
TENNESSEE STREET – MP 64.55 (7.82)
PROFILE

CONTRACT NO.	17-1001705
DRAWING NO.	CR78201
REVISION	SHEET NO.
SCALE	131 of 359
	HORIZ 1"=20'
	VERT 1"=4'

CONSTRUCTION NOTES:

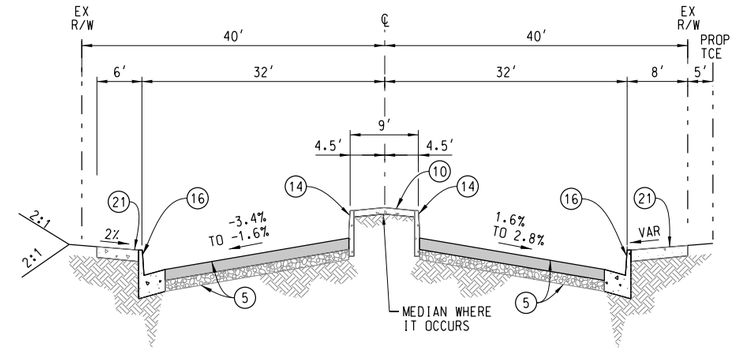
(5) CONSTRUCT FULL AC PAVEMENT SECTION, DEPTHS OF AC AND AB PER SHEET CR00006

(10) CONSTRUCT STAMPED CONCRETE MEDIAN PAVEMENT, 4" PCC OVER 4" SAND FILL OVER 95% COMPACTED NATIVE MATERIAL

(14) CONSTRUCT 8" HIGH TYPE A1-8 CURB PER SPPWC STD PLAN NO. 120-2

(16) CONSTRUCT 8" HIGH TYPE A2-8 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2

1 (21) CONSTRUCT 4" PCC SIDEWALK PER SPPWC STD PLAN NO. 112-2 AND 113-2, AND PER DETAIL A SHEET CR00006



TENNESSEE STREET
NTS

1

REGISTERED PROFESSIONAL ENGINEER
CHARLES CHRISTOPLIS
No. 045570
CIVIL
STATE OF CALIFORNIA

REV.	DATE		BY	SUB.	APP.
			EA		CC
		Redlands Regular Meeting of 09-20-2022			

DESIGNED BY	J. SONG
DRAWN BY	J. KUO
CHECKED BY	J. BROWN
APPROVED BY	R. KLOVSKY
DATE	5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

REGISTERED PROFESSIONAL ENGINEER
JIANSHENG SONG
No. 71849
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

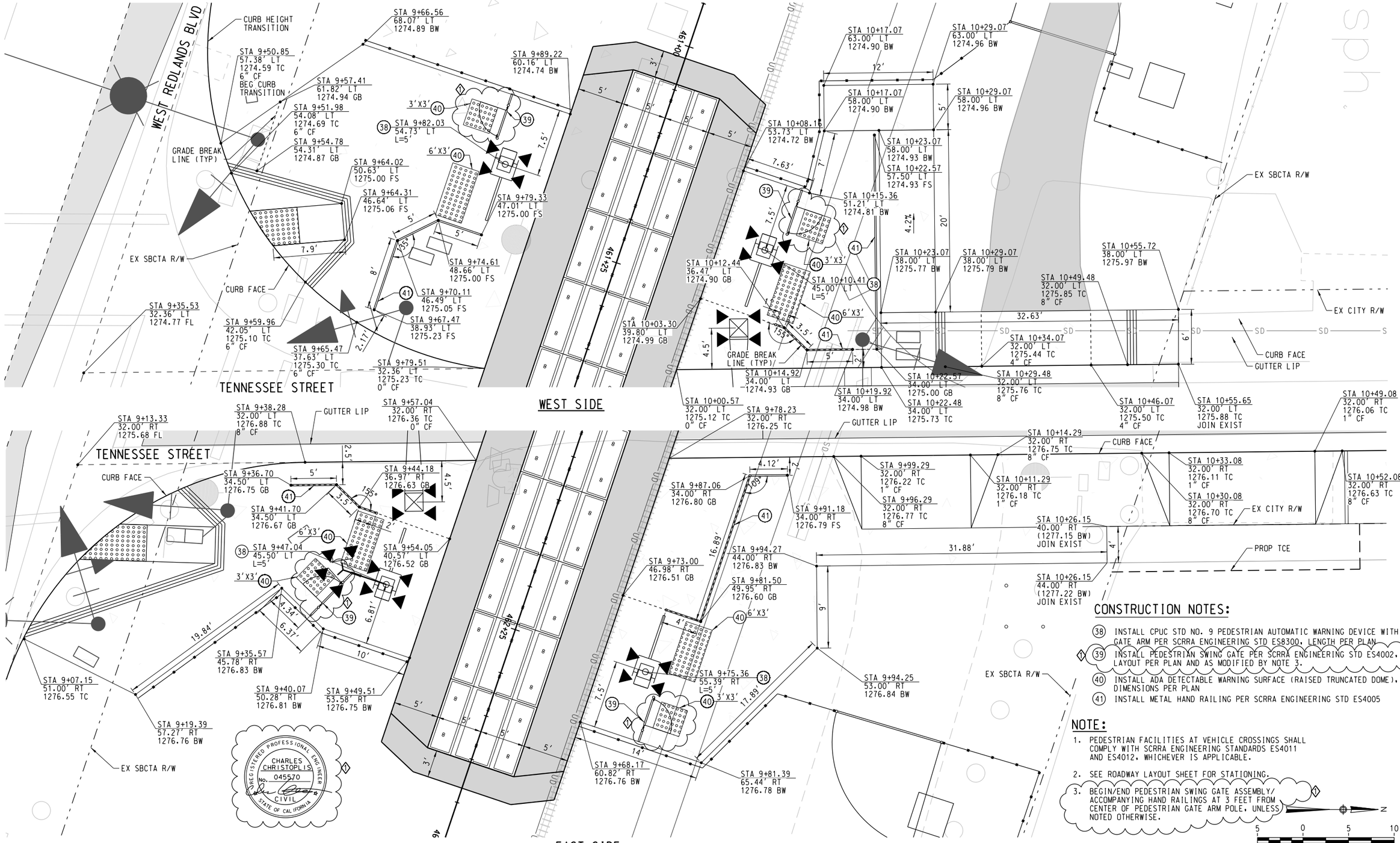
REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
TENNESSEE STREET – MP 64.55 (7.82)
TYPICAL SECTION

CONTRACT NO.	17-1001705
DRAWING NO.	CR78301
REVISION	SHEET NO. 440 OF 2425
SCALE	1"=10'

132 of 359

8/23/2018 12:07:14 PM
D:\OMAP-INPICS01\CS\for_PDF\2515_883953_130_126495-06-CR78301.DGN
User:kking Use-Set:2515_SNBAG-SHLT Pw:kking
\\Program Files (x86)\Common Files\InterPlot\IPLOT\bin\iplotdrvm.plt
OMAP-INPICS02$



CONSTRUCTION NOTES:

38. INSTALL CPUC STD NO. 9 PEDESTRIAN AUTOMATIC WARNING DEVICE WITH GATE ARM PER SCRRA ENGINEERING STD ES8300, LENGTH PER PLAN
39. INSTALL PEDESTRIAN SWING GATE PER SCRRA ENGINEERING STD ES4002, LAYOUT PER PLAN AND AS MODIFIED BY NOTE 3.
40. INSTALL ADA DETECTABLE WARNING SURFACE (RAISED TRUNCATED DOME), DIMENSIONS PER PLAN
41. INSTALL METAL HAND RAILING PER SCRRA ENGINEERING STD ES4005

NOTE:

1. PEDESTRIAN FACILITIES AT VEHICLE CROSSINGS SHALL COMPLY WITH SCRRA ENGINEERING STANDARDS ES4011 AND ES4012, WHICHEVER IS APPLICABLE.
2. SEE ROADWAY LAYOUT SHEET FOR STATIONING.
3. BEGIN/END PEDESTRIAN SWING GATE ASSEMBLY/ ACCOMPANYING HAND RAILINGS AT 3 FEET FROM CENTER OF PEDESTRIAN GATE ARM POLE, UNLESS NOTED OTHERWISE.

SCALE: 1"=5'-0"

REGISTERED PROFESSIONAL ENGINEER CHARLES CHRISTOPOLIS No. 045570 CIVIL STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER JIANSHENG SONG No. 71849 Exp. 12/31/19 CIVIL STATE OF CALIFORNIA

REV.	DATE		BY	EA	CC
			SUB.		APP.

DESIGNED BY J. SONG
DRAWN BY J. KUO
CHECKED BY J. BROWN
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Sulte 100
Riverside, CA 92501-2110
(951) 320-7300

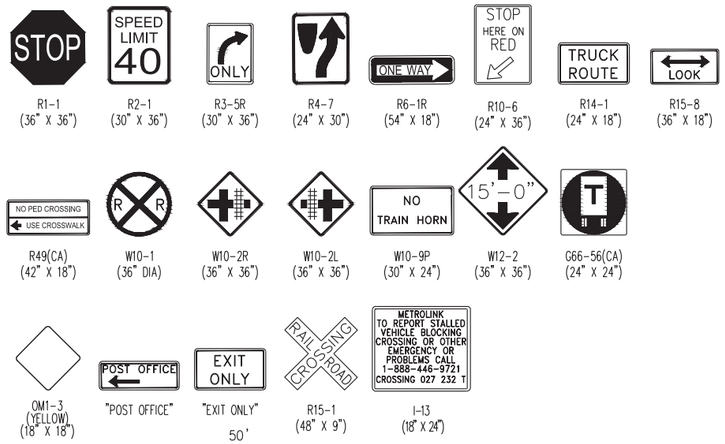
REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
TENNESSEE STREET – MP 64.55 (7.82)
GRADE CROSSING DETAILS

CONTRACT NO. 17-1001705
DRAWING NO. CR78401
REVISION
SHEET NO. 441 OF 2425
SCALE 133 of 359 1"=5'

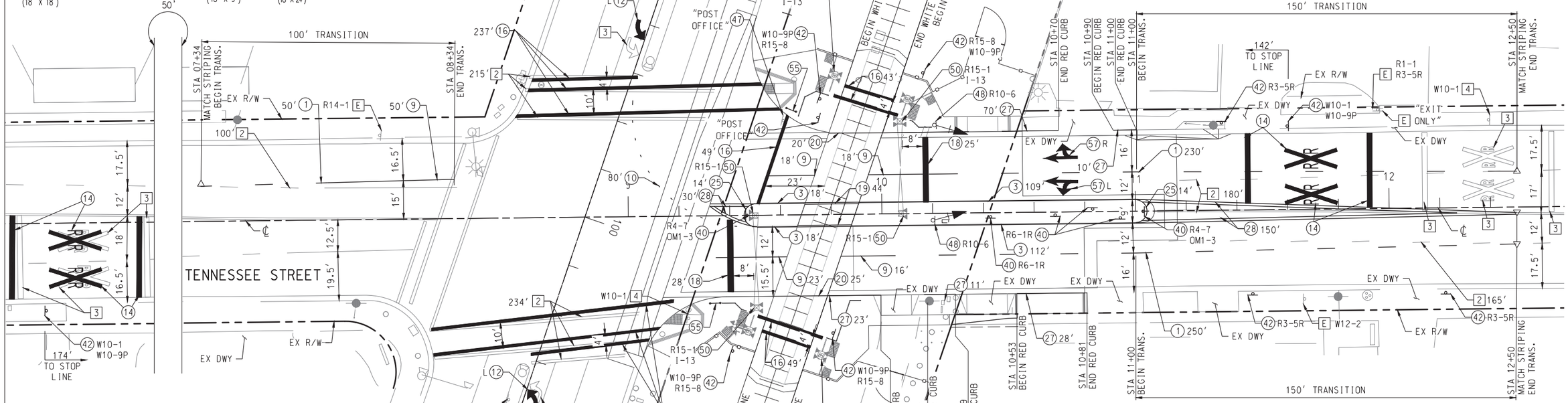
OMAP-INPICS02$
8/23/2018 12:07:38 PM
C:\Users\jsong\Desktop\Working Folder\Redlands Passenger Rail Project\OMAP-INPICS01\CS15\PDF\2515\883953_13\126495-06-CR78401.DGN
User:jsong
Pen Table: C:\Program Files (x86)\Common Files\InterPlot\PLOT\bin\plotdrvm.plt
Redlands Regular Meeting - 09-20-2022

SIGNAGE REFERENCES:



CONSTRUCTION NOTES:

(1) APPLY 6" DASHED WHITE LINE PER CALTRANS 2015 STD PLAN A20A, DETAIL 9.
(3) APPLY 6" SOLID YELLOW EDGE LINE AROUND MEDIAN PER CALTRANS 2015 STD PLAN A20B, DETAIL 24.
(9) APPLY 8" WHITE CHANNELIZING LINE WITH REFLECTIVE AND RPMS PER CALTRANS 2015 STD PLAN A20D, DETAIL 38.
(10) APPLY 6" DASHED YELLOW LINE PER CALTRANS 2015 STD PLAN A20D, DETAIL 41.
(12) APPLY THERMOPLASTIC TYPE IV ARROW AS NOTED ON PLAN PER CALTRANS 2015 STD PLAN A24A.
(14) APPLY THERMOPLASTIC RAILROAD CROSSING SYMBOL PAVEMENT MARKING PER CALTRANS 2015 STD PLAN A24B, AND CA MUTCD FIGURES 8B-6 AND 8B-7.
(16) APPLY 12" SOLID THERMOPLASTIC WHITE CROSSWALK LINE OR LIMIT LINE PER CALTRANS 2015 STD PLAN A24E.
(18) APPLY 24" WHITE THERMOPLASTIC STOP LINE PER CA MUTCD SECTION 8B.28.
(19) APPLY 6" DOUBLE YELLOW MEDIAN LINES WITH RPMS SPACED 4' OC PER METROLINK STD PLAN 4015.
(20) APPLY 6" WHITE EDGE LINE WITH RPMS SPACED 4' OC.
(25) PAINT MEDIAN NOSE YELLOW WITH TYPE "D" RPMS 2' OC.
(27) PAINT CURB RED.
(28) APPLY 6" DOUBLE YELLOW LINES WITH RPMS PER CALTRANS STD PLAN A20B, DETAIL 29.
(40) INSTALL SIGN AND POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE 3.5' ABOVE FINISH SURFACE.



REMOVAL NOTES:

[2] REMOVE EXISTING STRIPING BY GRINDING AND APPLYING SLURRY PATCH.
[3] REMOVE EXISTING PAVEMENT MARKING BY GRINDING AND APPLYING SLURRY SQUARE PATCH.
[4] REMOVE EXISTING SIGN AND POST.
[E] EXISTING TO REMAIN.

GENERAL NOTES:

TENNESSEE STREET SPEED LIMIT 40 MPH.
REDLANDS BLVD SPEED LIMIT 40 MPH.

CONSTRUCTION NOTES (CONTINUED):

(42) INSTALL SIGN AND POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE A MINIMUM 7' ABOVE FINISHED GRADE.
(47) RELOCATE EXISTING SIGN ON NEW POST AS NOTED ON PLAN.
(48) FOR SIGN MOUNTED ON TRAFFIC SIGNAL POLE, SEE TRAFFIC SIGNAL PLAN SET.
(50) INSTALL SIGN ON EXISTING GATE MECHANISM.
(55) FURNISH AND INSTALL TYPE 1 PEDESTRIAN BARRICADE WITH R49(CA) SIGN PER CALTRANS STD PLAN ES-7D, DETAIL C.
(57) APPLY THERMOPLASTIC TYPE VII ARROW AS NOTED ON PLAN PER CLATRANS 2015 STD PLAN A24A.

SEE CIVIL SHEETS FOR CURB, RAMP, MEDIAN AND SIDEWALK IMPROVEMENTS

N
20 0 20 40
SCALE: 1"=20'

REV.	DATE		BY	SUB.	APP.

DESIGNED BY B. SCHLUETER
DRAWN BY B. SCHLUETER
CHECKED BY N. MINICILLI
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

STC TRAFFIC
5865 AVENIDA ENCINAS, #142-B
CARLSBAD, CA 92008
PH: 760-602-4290
WWW.STCTRAFFIC.COM

APPROVED: _____

REGISTERED PROFESSIONAL ENGINEER NICHOLAS M. MINICILLI NO. 74667 CIVIL STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
TENNESSEE STREET - MP 64.55 (7.82)
SIGNING AND STRIPING

CONTRACT NO. C15-1001093
DRAWING NO. CR78501
REVISION | SHEET NO.
SCALE HORIZ 1"=20'

04/17/2018 2:48 PM christian lamborth
s:\projects\hdr\0398_redlands passenger rail design project\07_engineering\cadd\div26495-06-cr78501.dwg
standard.ctb

*POLE AND EQUIPMENT SCHEDULE

No.	STANDARD TYPE	HEIGHT	SIG. M.A.	LUM. M.A.	LED LUMINAIRE	SIG MTG VEHICLE	SIG MTG VEHICLE	SIG MTG PED	PPB PHASE	POLE LOCATION A	POLE LOCATION B	SNS	REMARKS
(A)	16-3-80	30'	20'	–	–	1-MAS	SV-2-T	SP-2-T+	–	EXISTING		Tennessee St	–
(B)	PPB POST	3'10"	–	–	–	–	–	–	ø4	EXISTING		–	–
(C)	PPB POST	3'10"	–	–	–	–	–	–	ø6	EXISTING		–	–
(D)	16-3-80	30'	15'	15'	150W	● 1-MAS	● SV-2-T	● SP-2-T+	ø6	EXISTING		Redlands Blvd	–
(E)	PPB POST	3'10"	–	–	–	–	–	–	ø3	EXISTING		–	–
(G)	● 26-4-100	● 30'	● 45'	● 15'	● ▲	● 2-MAS	● SV-1-T	–	ø3	18'6"	4'	● Tennessee St	19 SIGN BOTTOM 15' F=15'
(I)	● 26-4-100	● 30'	● 30'	● 15'	● ▲	● 2-MAS	● SV-1-T	● SP-1-T	–	8'6"	4'	–	F=13'
(J)	● 26-4-100	● 30'	● 35'	● 15'	● ▲	● 2-MAS	● SV-1-T	● SP-1-T	–	8'7"	4'	● Redlands Blvd	F=15'
(L)	● 15TS	● 30'	–	● 15'	● ▲	–	● SV-1-T	–	ø4	9'	6'2"	–	19 SIGN BOTTOM 10' F=16'
(M)	1-A	10'	–	–	–	–	SV-1-T TV-1-T	–	–	EXISTING		–	–
(N)	● 15TS	● 30'	–	● 15'	● ▲	–	● SV-1-T	–	–	SEE PLANS		–	–
(O)	● 1-A	● 7'	–	–	–	–	● TV-1-T	–	–	SEE PLANS		–	VEHICLE HEAD BOTTOM 4'6"

NOTE: CONSTRUCT POLE STANDARDS TO CALTRANS 2015 STANDARDS. CONTRACTOR SHALL SUBMIT MATERIAL CUT SHEETS PRIOR TO ORDERING OF MATERIAL. POTHOLE ALL POLE LOCATIONS PRIOR TO ORDERING POLES. PEDESTRIAN MODULES SHALL BE COUNTDOWN TYPE.

* ALL EQUIPMENT IS EXISTING UNLESS NOTED:
(●) = NEW
(+) = REPLACE PED MODULE ONLY
(▲) = LEOTEK GC1 LED LIGHT WITH EQUIVALENCE TO 200W HPS

REDLANDS BLVD POSTED SPEED = 40 MPH
TENNESSEE ST POSTED SPEED = 40 MPH

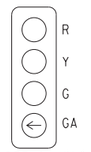
EXISTING POLES TO BE RS	
(F)	1-A (7')
(G')	16-3-80
(H)	PPB POST
(I')	PPB POST
(J')	16-3-80
(K)	1-A (7')
(L')	PPB POST

SIGNAGE REFERNECES:



R3-1 (R) (24"X24" BLANK OUT) | R3-4 (30"X30") | R10-6 (24"X36") | R13A (CA) (30"X36") | R10-11 (24"X30")

SIGNAL HEAD DETAILS:



DETAIL "C"

CONSTRUCTION NOTES:

1A RS EXISTING NEMA TYPE "P" CABINET ON RAISED 18" P.C.C. FOUNDATION. RELOCATE THE FOLLOWING EQUIPMENT TO NEW PROPOSED CONTROLLER CABINET:
ENCOM RADIO EQUIPMENT
GDI COMMUNICATIONS MODEM
SIDE MOUNTED MYERS BATTERY BACKUP SYSTEM(BBS)

1B FURNISH AND INSTALL 350i ATC CABINET ON NEW FOUNDATION. CABINET SHALL HAVE TWO INPUT FILES, INTERNAL LED LIGHT, DOOR SWITCH, PULL-OUT DOCUMENT DRAWER, AND CITY SPECIFIED LOCKS. CABINET SHALL BE WIRED FOR RED MONITOR CAPABILITY. CABINET SHALL BE EQUIPPED WITH:
NEW McCAIN MODEL FLEX ATC CONTROLLER WITH OMNI SOFTWARE
NEW EDI CMUip-2212-HV CONFLICT MONITOR UNIT WITH AUXILIARY DISPLAY UNIT
NEW EDI AUXILIARY DISPLAY UNIT FOR ATC CABINET
NEW McCAIN RAILROAD INTERFACE PANEL. TERMINATE RRIC.
NEW DYMEC KY-3170EMX-10 PORT GIGABIT ETHERNET SWITCH
NEW ENABLE IT 860 PRO GIGABIT ETHERNET EXTENDER
NEW SIERRA WIRELESS AIRLINK MG90 ROUTER
NEW PUNCH DOWN BLOCK FOR TRAFFIC SIGNAL INTERCONNECT. TERMINATE TSIC.
NEW RENO A&E MODEL U-1400 VEHICLE DETECTOR UNITS WITH MODEL 805-8-S HARNESS AS NEEDED
NEW RENO A&E MODEL C-1000 VEHICLE DETECTOR UNITS AS NEEDED

2 FURNISH AND INSTALL NEW TYPE-III-CF DUAL METER SERVICE PEDESTAL (ANODIZED ALUMINUM CABINET AND FOUNDATION AS SPECIFIED BY CALTRANS STD. PLAN ES-2C AND ES-2E). COORDINATE WITH SCE FOR SERVICE AND SERVICE LOCATION. SERVICE SHALL HAVE SEPARATE MAIN DISCONNECT CIRCUIT BREAKERS FOR METERED SECTION(S) AND PLUG-IN BREAKERS. SERVICE INSTALLATION SHALL BE PER SCE REQUIREMENTS.

4 FURNISH AND INSTALL NEW #6 PULL BOX WITH TAMPER PROOF LID.

5 FURNISH AND INSTALL NEW #6E PULL BOX WITH TAMPER PROOF LID.

6 RS EXISTING VEHICLE HEAD. FURNISH AND INSTALL NEW PROGRAMMED-VISIBILITY (PV) 3-SECTION VEHICLE HEAD AND NECESSARY MOUNTING HARDWARE.

7 RS EXISTING VEHICLE HEAD. FURNISH AND INSTALL NEW PROGRAMMED VISIBILITY (PV) 4-SECTION VEHICLE HEAD AND NECESSARY MOUNTING HARDWARE. SEE DETAIL "C".

12 FURNISH AND INSTALL NEW 6' DIAMETER TYPE E LOOP DETECTOR PER CALTRANS STD. PLAN ES-5B.

14 FURNISH AND INSTALL 4-WIRE WITH HEALTH PREFORMED LOOP DETECTOR.

15 TERMINATE 12PR#19 RAILROAD INTERCONNECT CABLE.

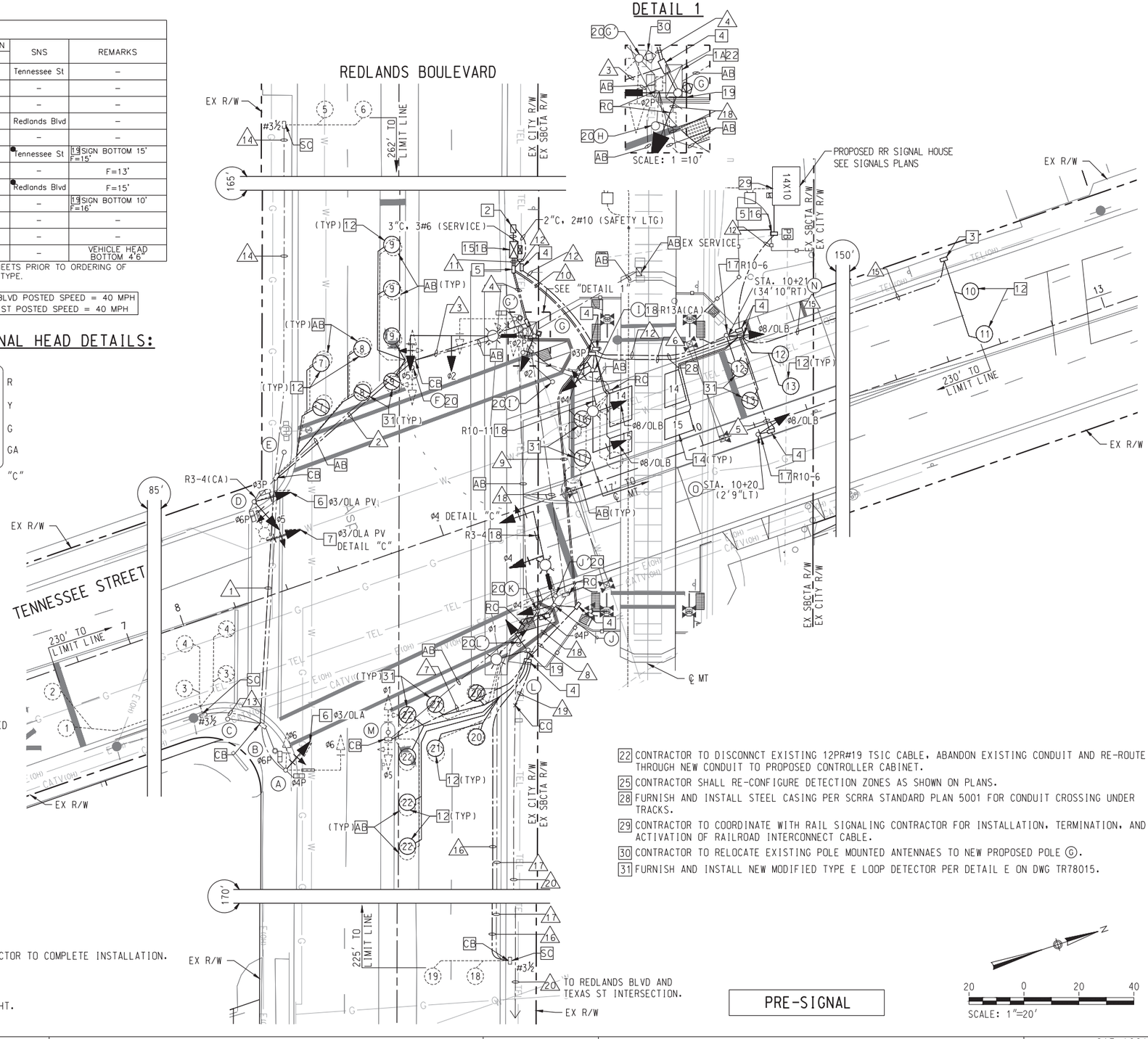
16 COIL 150' OF 12PR#19 RAILROAD INTERCONNECT CABLE IN PROPOSED PULL BOX. RAILROAD CONTRACTOR TO COMPLETE INSTALLATION.

17 FURNISH AND INSTALL SIGN ON TRAFFIC SIGNAL POLE AS SHOWN ON PLAN.

18 FURNISH AND INSTALL REGULATORY SIGN ON TRAFFIC SIGNAL MAST ARM AS SHOWN ON PLAN.

19 FURNISH AND INSTALL NEW R3-1 (R) "BLANK-OUT" SIGN. SEE POLE SCHEDULE FOR MOUNTING HEIGHT.

20 RS EXISTING TRAFFIC SIGNAL STANDARD. DEMO POLE FOUNDATION 36" BELOW FINISH GRADE.



22 CONTRACTOR TO DISCONNCT EXISTING 12PR#19 TSIC CABLE, ABANDON EXISTING CONDUIT AND RE-ROUTE THROUGH NEW CONDUIT TO PROPOSED CONTROLLER CABINET.

25 CONTRACTOR SHALL RE-CONFIGURE DETECTION ZONES AS SHOWN ON PLANS.

28 FURNISH AND INSTALL STEEL CASING PER SCRRA STANDARD PLAN 5001 FOR CONDUIT CROSSING UNDER TRACKS.

29 CONTRACTOR TO COORDINATE WITH RAIL SIGNALING CONTRACTOR FOR INSTALLATION, TERMINATION, AND ACTIVATION OF RAILROAD INTERCONNECT CABLE.

30 CONTRACTOR TO RELOCATE EXISTING POLE MOUNTED ANTENNAES TO NEW PROPOSED POLE (G).

31 FURNISH AND INSTALL NEW MODIFIED TYPE E LOOP DETECTOR PER DETAIL E ON DWG TR78015.

PRE-SIGNAL

SCALE: 1"=20'

REV.	DATE		BY	SUB.	APP.

DESIGNED BY B. HANSEN
DRAWN BY B. HANSEN
CHECKED BY N. MINICILLI
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

STC TRAFFIC
5865 AVENIDA ENCINAS, #142-B
CARLSBAD, CA 92008
PH: 760-602-4290
WWW.STCTRAFFIC.COM

APPROVED: _____

REGISTERED PROFESSIONAL ENGINEER NICHOLAS M. MINICILLI NO. 74667 CIVIL STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

TRAFFIC SIGNAL PLAN
TENNESSEE STREET AND REDLANDS BOULEVARD
(SHEET 1 OF 2)

CONTRACT NO. C15-1001093
DRAWING NO. TR78014
REVISION | SHEET NO.
SCALE HORIZ 1"=20'

04/27/2018 2:48 PM christian lombarth
s:\projects\har\0398_redlands passenger rail design project\07_engineering\cadd\div\26495-14-tr78014.dwg
sonstar.ctb

●CONDUCTOR SCHEDULE

AWG OR CABLE SIZE	POLE OR CIRCUIT		CONDUIT RUNS 1	2	3	4	5	6	7	8	9	10	11
3 CSC	POLE A	ø3/OLA,ø6,ø4P, ø6P	– / 1	– / 1	– / 1	– / 1							– / 1
	POLE B	ø4PPB	1 / –	1 / –	1 / –	1 / –							1 / –
	POLE C	ø6PPB	1 / –	1 / –	1 / –	1 / –							1 / –
	POLE D	ø3/OLA,ø5,ø3P ø6P,ø6PPB		1 / –	1 / –	1 / –							1 / –
	POLE E	ø3PPB		1 / –	1 / –	1 / –							1 / –
	POLE G	ø2,ø5,ø2P,ø3PPB				1 / –							1 / –
	POLE I	ø4,ø8/OLB,ø3P										– / 1	– / 1
	POLE J	ø4,ø5,ø4P									– / 1	– / 1	– / 1
	POLE L	ø1,ø4PPB								1 / 1	1 / 1	1 / 1	1 / 1
12 CSC	POLE M	ø1,ø5							– / 1	– / 1	– / 1	– / 1	– / 1
	POLE N	ø8/OLB						– / 1				– / 1	– / 1
	POLE O	ø8/OLB					– / 1	– / 1				– / 1	– / 1
TOTAL 3 CSC / 12 CSC CABLES			2 / 1	4 / 2	4 / 2	5 / 3	– / 1	– / 2	– / 1	1 / 2	1 / 3	1 / 6	6 / 9
#10	SAFETY LIGHTING			2	2	2				2	2	2	
#8	SIGNAL COMMON		1	1	1	1	1	1	1	1	1	2	3
TYPE B DLC	ø1				1	1							1
	ø2									4	4	4	4
	ø3/OLA											2	2
	ø4		4	4	4	4							4
	ø5								1	1	1	1	1
	ø6			4	4	4							4
	ø8/OLB							3				3	3
	TOTAL DLCs		4	8	9	9		3	2	5	5	10	19
4#20 CONDUCTOR DLC (ø3/OLA)												2	2
ANTENNAE CABLES						2							2
TRAFFIC SIGNAL INTERCONNECT										1	1	1	1
CONDUIT SIZE (INCHES)			1.5" * 3"	4"	4"	2–4"	3"	3"	3"	2–3"	1–4" 1–3"	2–4"	3–3"
CONDUIT FILL (%)			15%	16%	20%	30%	14%	20%	9%	12%	14%	20%	32%

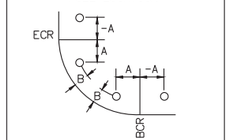
● ALL CONDUIT AND CONDUCTORS ARE NEW UNLESS NOTED:
(*) = EXISTING

NOTE: NEW AND EXISTING DLC'S SHALL BE REASSIGNED TO DETECTOR INPUTS AS SHOWN ON PLAN AND THE DETECTOR ASSIGNMENT TABLE.

CONDUIT NOTES:

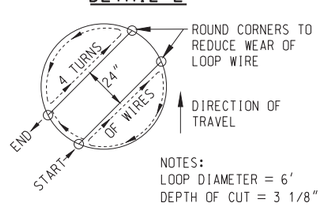
RUN	CONDUIT AND CABLE DESCRIPTION	% FILL
12	NEW 3"C, 12PR#19 RRIC	4%
13	EX 1"C, REMOVE 3–DLC, INSTALL 4–DLC	25%
14	EX 1"C, REMOVE 1–DLC, INSTALL 2–DLC	8%
15	NEW 2"C, 2–DLC	4%
16	NEW 2"C, 2–DLC	2%
17	AB EX 1"C, 1–DLC	8%
18	AB EX 2"C, RR 1–TSIC	–
19	NEW 2"C, 1–TSIC	9%
20	EX 2"C, 1–TSIC	9%

POLE LOCATION DETAIL



EXACT LOCATION BY ENGINEER IN THE FIELD

DETAIL E



NOTES:
LOOP DIAMETER = 6'
DEPTH OF CUT = 3 1/8"

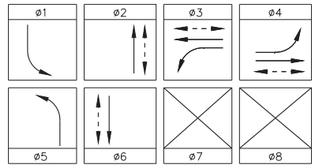
MODIFIED TYPE E FRONT DETECTOR FOR BICYCLES AND VEHICLES
N.T.S.

TENNESSEE ST & REDLANDS BLVD

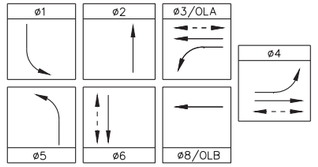
DETECTOR ASSIGNMENT

DETECTOR	PHASE	CHANNEL	FIELD TERMINAL
1	4	15	FIT8 – 1&2
2	4	16	FIT8 – 6&7
3	4	17	FIT9 – 1&2
4	4	18	FIT9 – 6&7
5	6	27	FIT14 – 1&2
6	6	28	FIT14 – 6&7
7	6	29	FIT15 – 1&2
8	6	30	FIT15 – 6&7
9	1	1	FIT1 – 1&2
10	3 (8/OLB)	7	FIT4 – 1&2
11	3 (8/OLB)	8	FIT4 – 6&7
12	3 (8/OLB)	9	FIT5 – 1&2
13	3 (8/OLB)	10	FIT5 – 6&7
14	3 (3/OLA) CAVDS	11	FIT6 – 1&2
15	3 (3/OLA) CAVDS	12	FIT6 – 6&7
16	3 (3/OLA)	13	FIT7 – 1&2
17	3 (3/OLA)	14	FIT7 – 6&7
18	2	3	FIT2 – 1&2
19	2	4	FIT2 – 6&7
20	2	5	FIT3 – 1&2
21	2	6	FIT3 – 6&7
22	5	25	FIT13 – 1&2
PPB	4	22	FIT11 – 6&7
PPB	6	23	FIT12 – 1&2
PPB	8 (3)	24	FIT12 – 6&7
47	RR1	47	FIT24 – 1&2
48	RR2	48	FIT24 – 6&7

EXISTING PHASE DIAGRAM

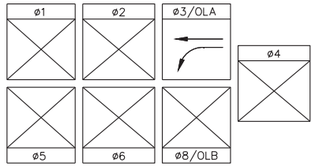


PROPOSED PHASE DIAGRAM

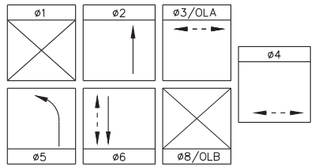


NOTE: PHASE 3/OLA SHALL TERMINATE SEQUENTIALLY FOLLOWING PHASE 8/OLB

RAILROAD PREEMPTION TRACK CLEAR



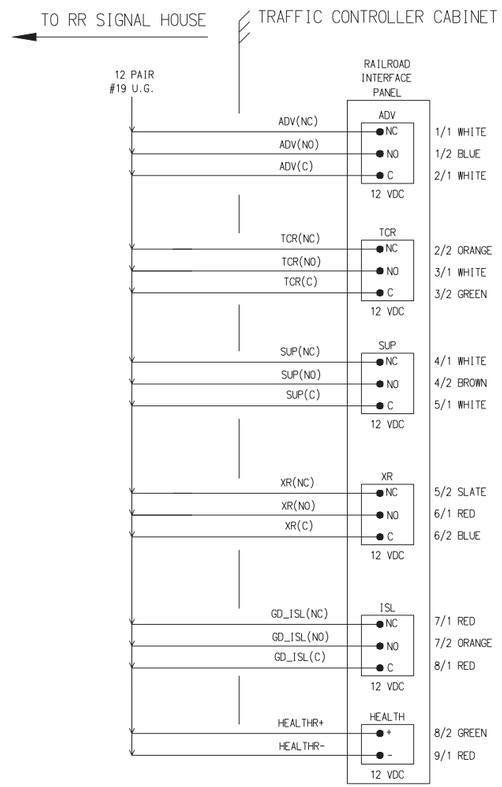
RAILROAD PREEMPTION LIMITED SERVICE



NOTE: BLANK-OUT SIGN TO ACTIVATE ON TCR.

TCR = 11 SECONDS, ADV = 23 SECONDS

RAILROAD INTERCONNECT CIRCUIT DIAGRAM



RAILROAD INTERCONNECT CIRCUITS:

ADV = ADVANCE INPUT - CONTINUE SERVICE TO VEHICLES AND PEDESTRIANS. HOLD PEDESTRIAN CALLS UNTIL LIMITED SERVICE INTERVAL.

TCR = ADVANCE PREEMPTION - TRANSFER ROW TO TRACK CLEARANCE GREEN INTERVAL

SUP = SUPERVISION - CHECKS THE INTEGRITY OF THE TCR CIRCUIT.

XR = CROSSING ACTIVE - INDICATES GRADE CROSSING WARNING SYSTEM IS ACTIVE.

GD/ISL = GATE DOWN/ISLAND - EXTEND TRACK CLEARANCE GREEN INTERVAL UNTIL GD/ISL INPUT IS RECEIVED AND CROSSING AREA VEHICLE DETECTION IS NOT OCCUPIED.

HEALTH = INDICATES TO RAILROAD TRAFFIC SIGNAL IS IN HARDWARE FLASH OR THERE'S A POWER OUTAGE.

COLOR CODE CHART		
PAIR NO.	MAJOR COLOR (WIRE #1)	MINOR COLOR (WIRE #2)
#1	WHITE	BLUE
#2	WHITE	ORANGE
#3	WHITE	GREEN
#4	WHITE	BROWN
#5	WHITE	SLATE
#6	RED	BLUE
#7	RED	ORANGE
#8	RED	GREEN
#9	RED	BROWN
#10	RED	SLATE
#11	BLACK	BLUE
#12	BLACK	ORANGE

PAIR NO. 1/1 WIRE NO.

REV.	DATE		BY	SUB.	APP.

DESIGNED BY B. HANSEN
DRAWN BY B. HANSEN
CHECKED BY N. MINICILLI
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

STC TRAFFIC
5865 AVENIDA ENCINAS, #142-B
CARLSBAD, CA 92008
PH: 760-602-4290
WWW.STCTRAFFIC.COM

APPROVED: _____

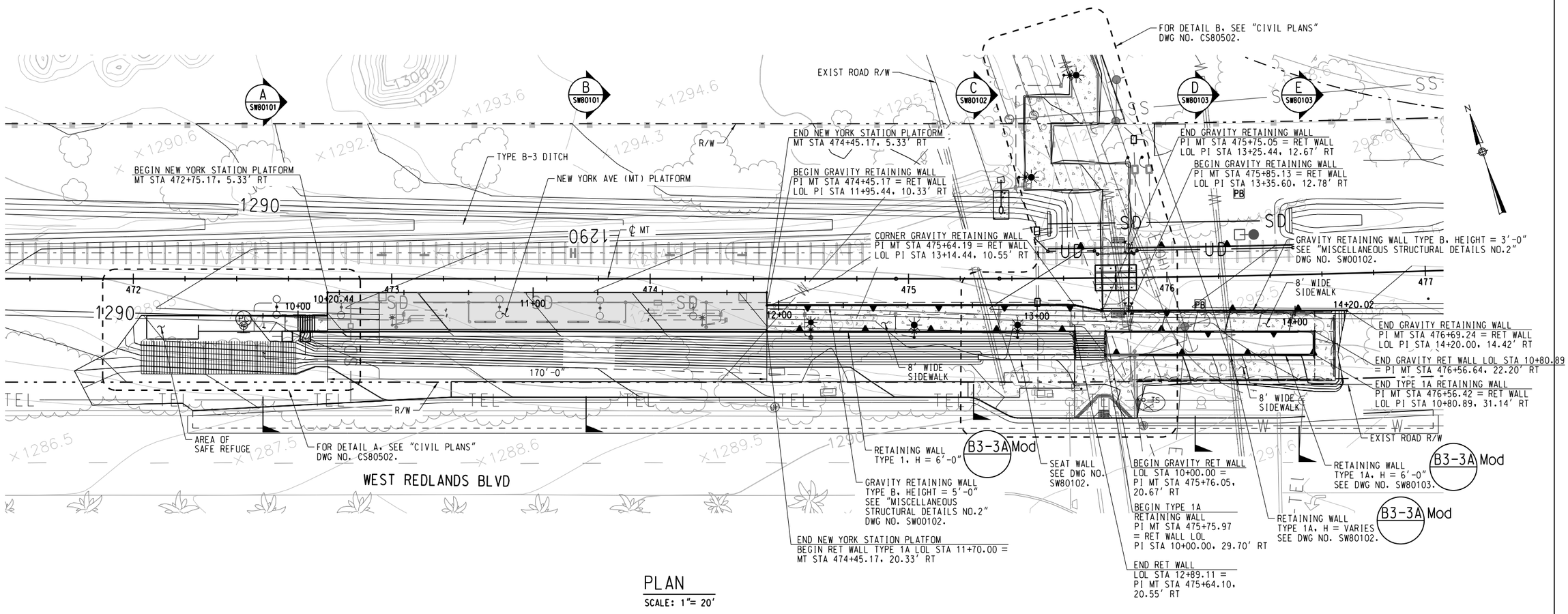
REGISTERED PROFESSIONAL ENGINEER — DENNIS M. MINICILLI — NO. 74667 — CIVIL — STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

TRAFFIC SIGNAL PLAN
TENNESSEE STREET AND REDLANDS BOULEVARD
(SHEET 2 OF 2)

CONTRACT NO. C15-1001093
DRAWING NO. TR78015
REVISION | SHEET NO.
SCALE NTS

04/27/2018 2:48 PM brandon schlueter
s:\projects\hdr\0398_redlands passenger rail design project\07_engineering\cadd\div\26495-14-tr78015.dwg
sonic_ppr_test.ctb



PLAN

SCALE: 1"= 20'

LEGEND:

- INDICATES LIGHT
- INDICATES CANOPY DRAINAGE
- INDICATES SIGNAL
- (1) UTILITY LINE (TO BE REMOVED)

NOTES:

1. FOR WALKWAY AND SIDEWALK, SEE "CIVIL PLANS".
2. FOR PLATFORM LAYOUT AND OTHER DETAILS, SEE "TRACK PLANS", "ARCHITECTURAL", "DRAINAGE" AND "STRUCTURAL" PLANS.
3. FOR DETAILS NOT SHOWN, SEE "CIVIL PLANS".

20 0 20 40
HORIZ SCALE: 1"= 20'

5 0 5 10
VERTICAL SCALE: 1"= 5'-0"

REV.	DATE		BY	SUB.	APP.

DESIGNED BY A ROMINGER
DRAWN BY L.REYES
CHECKED BY E.JOHNSON
APPROVED BY R. KLOVSKY
DATE 7-28-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

SUBMITTED: _____ PROJECT MANAGER

APPROVED: _____

90% SUBMITTAL
NOT FOR CONSTRUCTION

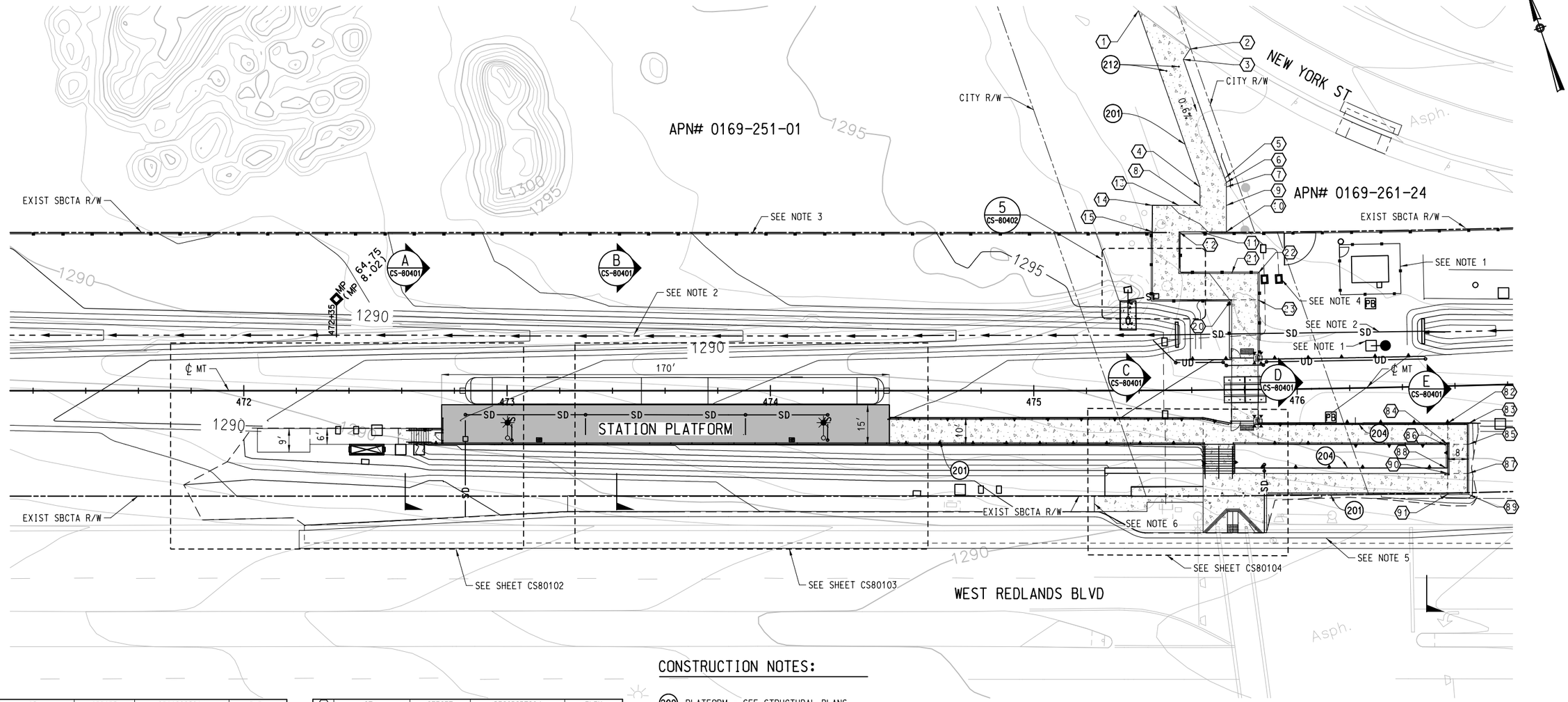
REDLANDS PASSENGER RAIL PROJECT

NEW YORK STATION PED. CROSSING
NEW YORK STREET STATION PLATFORM
GENERAL PLAN

CONTRACT NO. 17-1001699
DRAWING NO. SW80001
REVISION | SHEET NO.
SCALE 1"=20' 1"=5'
137 of 359

7/23/2017 11:06:00 PM OMAP-INPICS02$
C:\Program Files (x86)\Common Files\InterPlot\IPLOT\bin\plotdrvrn.plt
K:\Working\Sbc_40185_SBNRC_SAN\CS\PLANS\OMAP-INPICS01\Sheets\26495-08-SW80001.dgn

Redlands Regular Meeting of 09-20-2022



	STA.	OFFSET	DESCRIPTION	ELEV
1	475+40.38	144.15′ LT	WALKWAY	1297.53
2	475+60.40	129.44′ LT	WALKWAY	1297.74
3	475+57.74	125.53′ LT	WALKWAY	1297.72
4	475+63.78	77.08′ LT	WALKWAY	1297.11
5	475+73.38	80.29′ LT	WALKWAY	1339.77
6	475+73.94	78.69′ LT	WALKWAY	1297.21
7	475+73.92	76.99′ LT	WALKWAY	1297.21
8	475+63.72	70.08′ LT	WALKWAY	1297.07
9	475+73.85	69.99′ LT	WALKWAY	1297.17
10	475+73.74	59.99′ LT	WALKWAY	1297.07
11	475+63.64	60.08′ LT	WALKWAY	1296.97
12	475+55.55	60.14′ LT	WALKWAY	1296.93
13	475+55.63	70.14′ LT	WALKWAY	1297.03
14	475+45.50	70.20′ LT	WALKWAY	1296.93
15	475+45.45	60.20′ LT	WALKWAY	1296.83
20	475+75.41	34.17′ LT	WALKWAY	1297.01

	STA.	OFFSET	DESCRIPTION	ELEV
21	475+75.64	44.17′ LT	WALKWAY	1297.11
22	475+85.71	44.05′ LT	WALKWAY	1297.16
23	475+85.59	34.05′ LT	WALKWAY	1297.14
82	476+56.84	14.10′ RT	WALKWAY	1294.68
83	476+64.81	14.30′ RT	WALKWAY	1294.76
84	476+56.64	22.10′ RT	WALKWAY	1294.60
85	476+64.60	22.30′ RT	WALKWAY	1294.68
86	476+56.13	22.59′ RT	WALKWAY	1296.50
87	476+64.32	33.34′ RT	WALKWAY	1294.28
88	476+55.92	31.12′ RT	RETAINING WALL	1296.00
89	476+64.11	41.33′ RT	WALKWAY	1294.20
90	476+56.37	33.13′ RT	WALKWAY	1294.20
91	476+56.17	41.13′ RT	WALKWAY	1294.12

CONSTRUCTION NOTES:

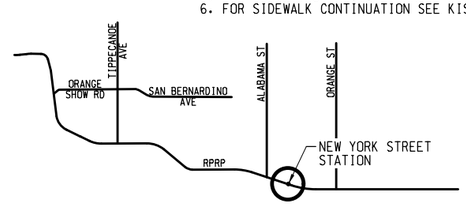
200 PLATFORM - SEE STRUCTURAL PLANS
201 4" PCC WALKWAY PER SPPWC 112-2 & 113-2
202 HANDRAILS - SEE ARCHITECTURAL PLANS
203 LIGHTING - SEE ELECTRICAL PLANS
204 RETAINING WALL - SEE STRUCTURAL PLANS
212 INSTALL REMOVABLE BOLLARDS

LEGEND:

WALKWAY
PLATFORM

NOTES:

1. FOR SIGNAL IMPROVEMENTS SEE SIGNAL PLANS
2. FOR TRACK DRAINAGE AND DITCH DETAILS SEE TRACK DRAINAGE AND GRADING PLANS
3. FOR FENCING SEE FENCING PLANS
4. FOR ELECTRICAL IMPROVEMENTS SEE ELECTRICAL PLANS
5. FOR ROADWAY SEE CIVIL PLANS
6. FOR SIDEWALK CONTINUATION SEE KISS AND RIDE PLANS



20 0 20 40
SCALE: 1"=20'

REV.	DATE		BY	SUB	APP.

DESIGNED BY L. HERNANDEZ
DRAWN BY J.K. ANDRES
CHECKED BY A. SHAH
APPROVED BY R. KLOVSKY
DATE 7-28-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

SUBMITTED: _____ PROJECT MANAGER

APPROVED: _____

90% SUBMITTAL
NOT FOR CONSTRUCTION

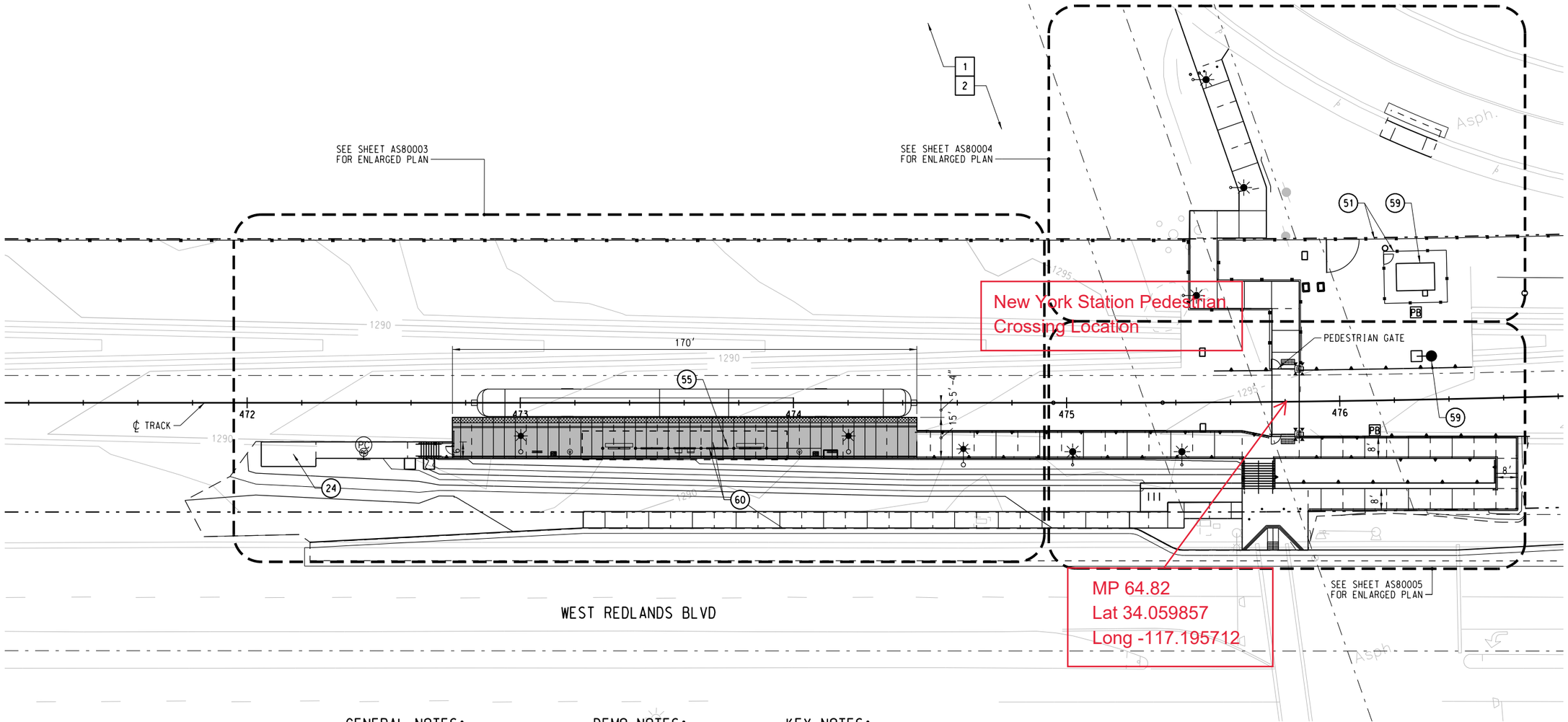
REDLANDS PASSENGER RAIL PROJECT

NEW YORK STATION PED. CROSSING

NEW YORK STATION LAYOUT PLAN

CONTRACT NO. 17-1001699
DRAWING NO. CS80101
REVISION | SHEET NO.
SCALE 1"=20'

7/25/2017 9:59:28 AM MGRANADO
\\PWPFSAC01fs\California_Sacramento\Documents\SANBAG\SANBAG_RPRP_Final_Design\SANBAG_RPRP_Final_Design\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\FinalDesign\06_CIVIL\SITE-STATIONS\NEW YORK STATION LAYOUT PLAN.dgn
\\PWPFSAC01fs\California_Sacramento\Documents\SANBAG\SANBAG_RPRP_Final_Design\SANBAG_RPRP_Final_Design\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files_PlotDRV\SANBAG_BW
\\pwworking\sac\d0761459\SANBAG-11x17bw_pdf.pltcfg
Redlands Regular Meeting of 09-20-2022



GENERAL NOTES:

1. SEE CIVIL FOR START POINT OF PLATFORM
2. SEE AG00002 FOR SYMBOL LEGEND
3. COMPLETE NOTES SHOWN AS LEGEND PER SHEET

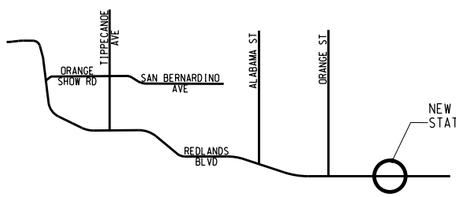
DEMO NOTES:

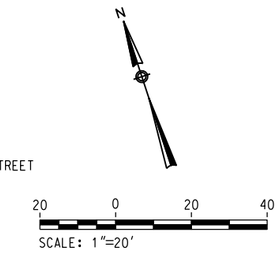
1 EXISTING TO REMAIN

2 NOT IN CONTRACT

KEY NOTES:

24 SAFE DISPERSAL AREA OR POINT OF SAFETY-SEE CAMPUS PLANS
36 ILLUMINATED HANDRAILS
50 SEE TRACK DRAWINGS
51 SEE FENCING DRAWINGS
53 SEE CIVIL
55 SEE STRUCTURAL - CANOPY
57 SEE STRUCTURAL - RETAINING WALL
58 SEE ELECTRICAL
59 SEE SIGNALS
60 SEE COMMUNICATIONS





NEW YORK STREET STATION SITE PLAN

1 / AS80002

SCALE: 1"=20'-0"

REV.	DATE		BY	SUB.	APP.

DESIGNED BY E. GUERRERO
DRAWN BY A. SUZUKI
CHECKED BY BBRANDLE-RJANIK
APPROVED BY R. KLOVSKY
DATE 7-28-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

SUBMITTED: _____ PROJECT MANAGER

APPROVED: _____

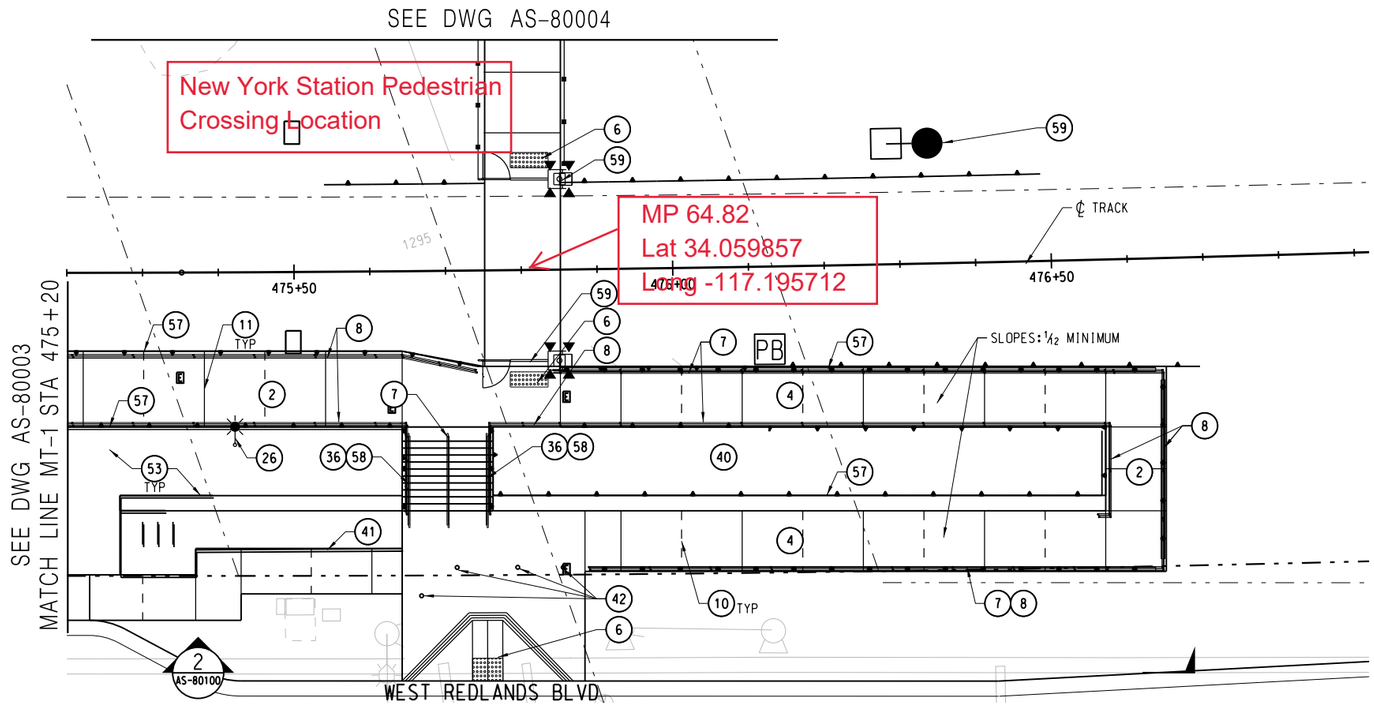
90% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

NEW YORK STATION PED. CROSSING
NEW YORK STATION
SITE PLAN

CONTRACT NO. 17-1001699
DRAWING NO. AS80002
REVISION | SHEET NO.
SCALE 1"=20'

7/23/2017 11:09:44 PM
OMAP-INPICS03$
K:\OMAP-INPICS01\CS\ap\PDF\5834\773125_61\264995-10-AS80002.dgn
K:\Engineering Projects\4075\CS\SANBAG CS-HALT #1\
K:\Program Files (x86)\Common Files\InterPlot\INPLOT\bin\plotdrvm.plt
Redlands Regular Meeting of 09-20-2022



PLATFORM PLAN (1 / AS80005)

SCALE: 1"=10'-0"

GENERAL NOTES:

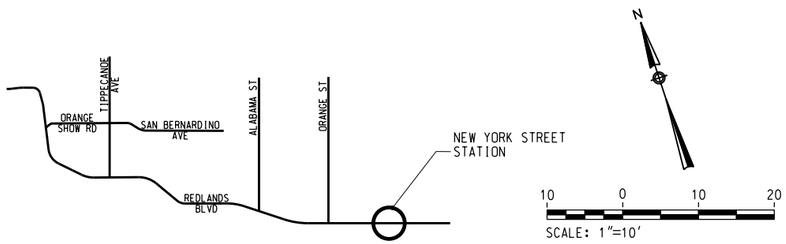
1. SBTC, TIPPECANOE STATIONS SHALL UTILIZE STANDARD CANOPY DESIGN
2. SEE AG00002 FOR SYMBOL LEGEND
3. COMPLETE NOTES SHOWN AS LEGEND PER SHEET
4. SEE SPECIFICATIONS FOR SITE FURNISHING

DEMO NOTES:

1. EXISTING TO REMAIN
2. NOT IN CONTRACT
3. EXISTING TO BE REMOVED

KEY NOTES:

1. PLATFORM
2. WALKWAY/ SIDEWALK PER CIVIL
3. MINI-HIGH RAMP/PLATFORM
4. ACCESSIBLE RAMP
6. DETECTABLE WARNING TILES PER SCRRA ES3203
7. HANDRAILS
8. PLATFORM EDGE FENCE/GUARDRAILS PER SCRRA ES5102
10. EXPANSION JOINT
11. CONTROL JOINT
12. SIGNAGE
14. GROUND HYDRANT HOSE BIBB
20. CANOPY ABOVE
22. BENCH SEATING
23. TRASH RECEPTICLE
25. TICKET VENDING MACHINE (TVM)
26. LIGHTING - SEE ELECTRICAL
27. VARIABLE MESSAGE SIGN (VMS)
36. ILLUMINATED HANDRAILS
40. PLANTER
41. HOOP BICYCLE RACK
42. PROTECTIVE BOLLARD
43. PED SWING GATE PER SCRRA STD ES4002
51. SEE FENCING DRAWINGS
53. SEE CIVIL
54. SEE UTILITIES
55. SEE STRUCT-CANOPY
57. SEE STRUCT - RETAINING WALL
58. SEE ELECTRICAL
59. SEE SIGNALS
60. SEE COMMUNICATIONS



REV.	DATE		BY SUB.	APP.

DESIGNED BY E. GUERRERO
DRAWN BY A. SUZUKI
CHECKED BY BBRANDLE-RJANIK
APPROVED BY R. KLOVSKY
DATE 7-28-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

SUBMITTED: _____ PROJECT MANAGER

APPROVED: _____

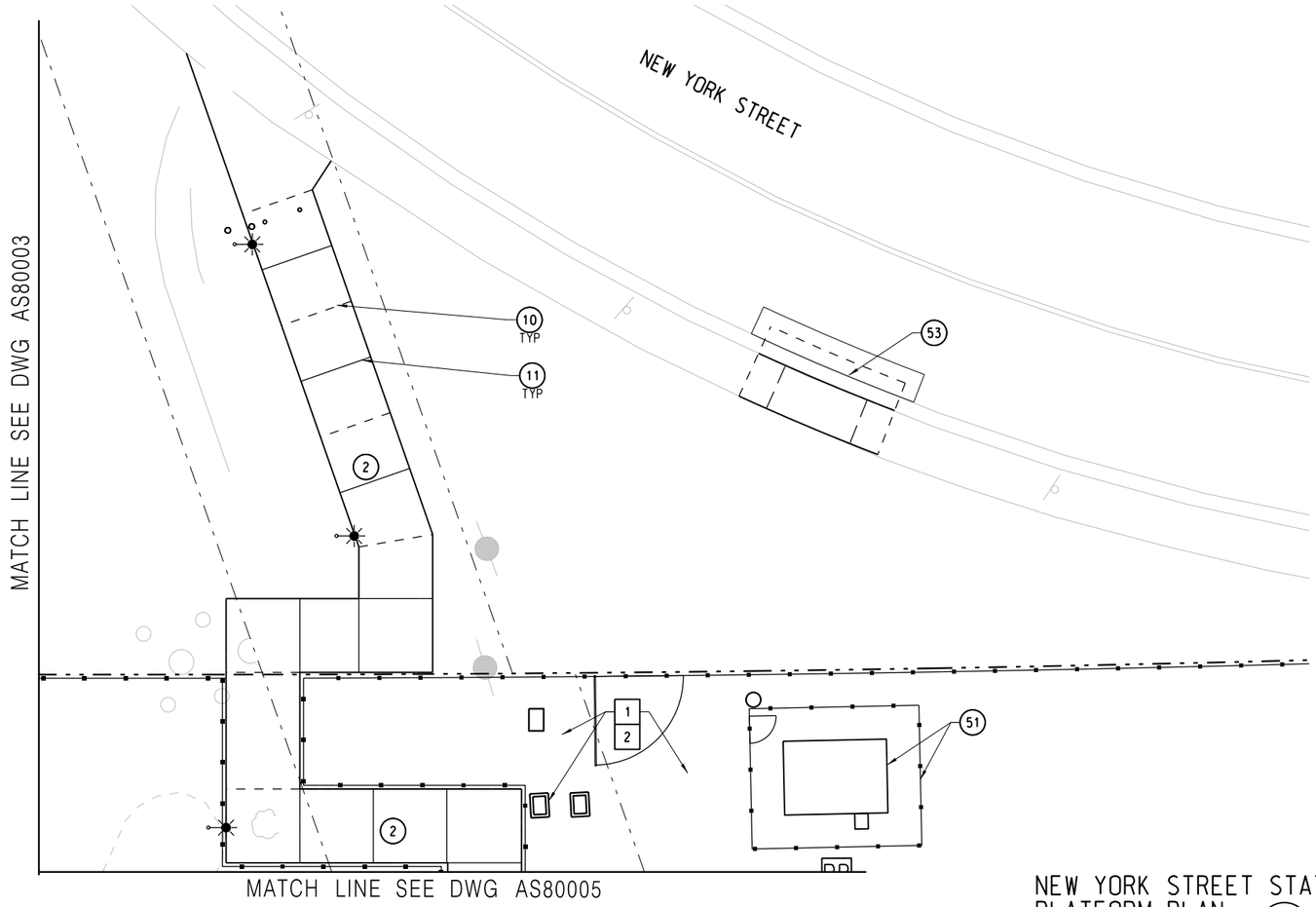
90% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

NEW YORK STATION PED CROSSING
NEW YORK STATION
PLATFORM PLAN SHEET 3 OF 3

CONTRACT NO. 17-1001699
DRAWING NO. AS80005
REVISION | SHEET NO.
SCALE 1"=10'

7/23/2017 11:08:43 PM
O:\OMAP-INPICS02\$
O:\OMAP-INPICS01\CS\gPDF\5834\773125_1519\26495-10-AS80005.dgn
O:\Powerking Ssc-6571E5\Jobs\5834\AGCS\773125_1519\26495-10-AS80005.dgn
C:\Program Files (x86)\Common Files\InterPlot\IPLOT\bin\iplotdrvm.plt



NEW YORK STREET STATION
PLATFORM PLAN (1 / AS80004)
SCALE: 1"=10'-0"

GENERAL NOTES:

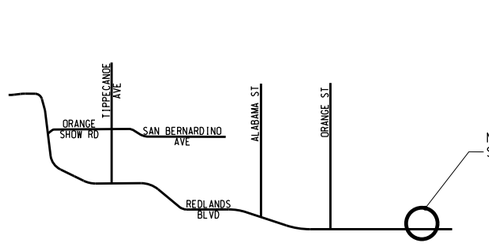
1. SBTC, TIPPECANOE STATIONS SHALL UTILIZE STANDARD CANOPY DESIGN
2. SEE AG00002 FOR SYMBOL LEGEND
3. COMPLETE NOTES SHOWN AS LEGEND PER SHEET
4. SEE SPECIFICATIONS FOR SITE FURNISHING

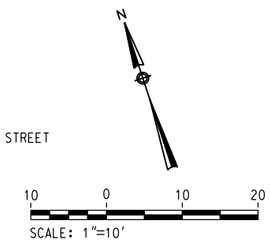
DEMO NOTES:

- [1] EXISTING TO REMAIN
- [2] NOT IN CONTRACT
- [3] EXISTING TO BE REMOVED

KEY NOTES:

- (1) PLATFORM
- (2) WALKWAY/ SIDEWALK PER CIVIL
- (3) MINI-HIGH RAMP/PLATFORM
- (4) ACCESSIBLE RAMP
- (6) DETECTABLE WARNING TILES PER SCRRA ES3203
- (7) HANDRAILS
- (8) PLATFORM EDGE FENCE/GUARDRAILS PER SCRRA ES5102
- (10) EXPANSION JOINT
- (11) CONTROL JOINT
- (12) SIGNAGE
- (14) GROUND HYDRANT HOSE BIBB
- (20) CANOPY ABOVE
- (22) BENCH SEATING
- (23) TRASH RECEPTICLE
- (25) TICKET VENDING MACHINE (TVM)
- (26) LIGHTING - SEE ELECTRICAL
- (27) VARIABLE MESSAGE SIGN (VMS)
- (36) ILLUMINATED HANDRAILS
- (40) PLANTER
- (41) HOOP BICYCLE RACK
- (42) PROTECTIVE BOLLARD
- (43) PED SWING GATE PER SCRRA STD ES4002
- (51) SEE FENCING DRAWINGS
- (53) SEE CIVIL
- (54) SEE UTILITIES
- (55) SEE STRUCT- CANOPY
- (57) SEE STRUCT - RETAINING WALL
- (58) SEE ELECTRICAL
- (59) SEE SIGNALS
- (60) SEE COMMUNICATIONS





SCALE: 1"=10'

REV.	DATE		BY	SUB.	APP.

DESIGNED BY: E. GUERRERO
DRAWN BY: A. SUZUKI
CHECKED BY: BBRANDLE-RJANIK
APPROVED BY: R. KLOVSKY
DATE: 7-28-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

SUBMITTED: _____ PROJECT MANAGER

APPROVED: _____

90% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

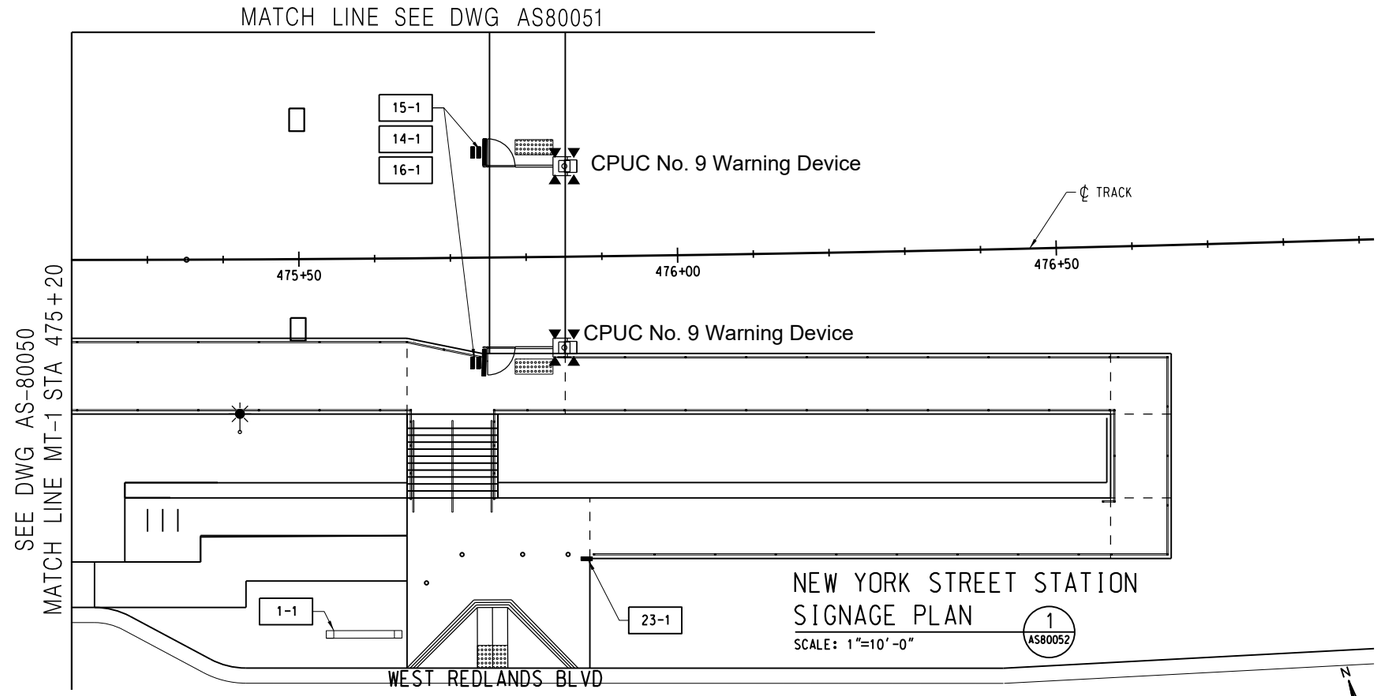
NEW YORK STATION PED. CROSSING

NEW YORK STATION
PLATFORM PLAN SHEET 2 OF 3

CONTRACT NO. 17-1001699
DRAWING NO. AS80004
REVISION | SHEET NO.
SCALE 1"=10'

Redlands Regular Meeting of 09-20-2022

7/23/2017 11:09:16 PM OMAP-INPICS01$
D:\OMAP-INPICS01\NCS\pr\PDF\5834\773125_152\N276495-10-AS80004.dgn
C:\Program Files (x86)\Common Files\Autodesk Shared\Materials\Textures
C:\Program Files (x86)\Common Files\InterPlot\PLOT\bin\plotdrvm.plt

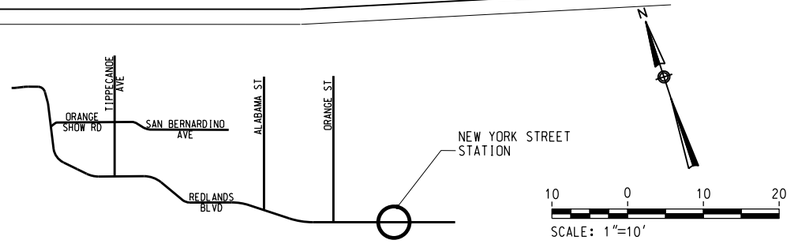


STATION IDENTIFICATION SIGNAGE: SIGNAGE AS PER SCRRA ENGINEERING STANDARDS #3303-3332

1-1	PRIMARY IDENTIFICATION MONUMENT SIGN	16-1	"LOOK" SIGN	24-3	"THANK YOU FOR NOT SMOKING" SIGN	25-1	STATION IDENTIFICATION SIGN (BRAILLE)
		21-1	STATION IDENTIFICATION SIGN (LARGE)	24-4	"NO BICYCLING" SIGN	27-1	STATION IDENTIFICATION SIGN (AT TRACK)
14-1	CROSSING WARNING SIGN	23-1	ACCESSIBILITY SIGN	24-5	"EXIT" SIGN	28-1	DISPLAY CASE (POST MOUNTED)
14-2	CAUTION SIGN	24-1	"DO NOT ENTER" SIGN	24-6	"TO TRAINS" SIGN		
15-1	"PULL GATE TO OPEN" SIGN	24-2	"PLEASE PURCHASE TICKET" SIGN	24-8	"PURCHASE TICKETS HERE" SIGN		

GENERAL NOTES:

1. SEE AG00002 FOR SYMBOL LEGEND
2. SEE ARCHITECTURAL PLATFORM PLANS FOR OTHER NOTES NOT SHOWN ON THIS SHEET



REV.	DATE		BY	SUB.	APP.

DESIGNED BY: E. GUERRERO
DRAWN BY: A. SUZUKI
CHECKED BY: BBRANDLE-RJANIK
APPROVED BY: R. KLOVSKY
DATE: 7-28-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

SUBMITTED: _____ PROJECT MANAGER

APPROVED: _____

90% SUBMITTAL
NOT FOR CONSTRUCTION

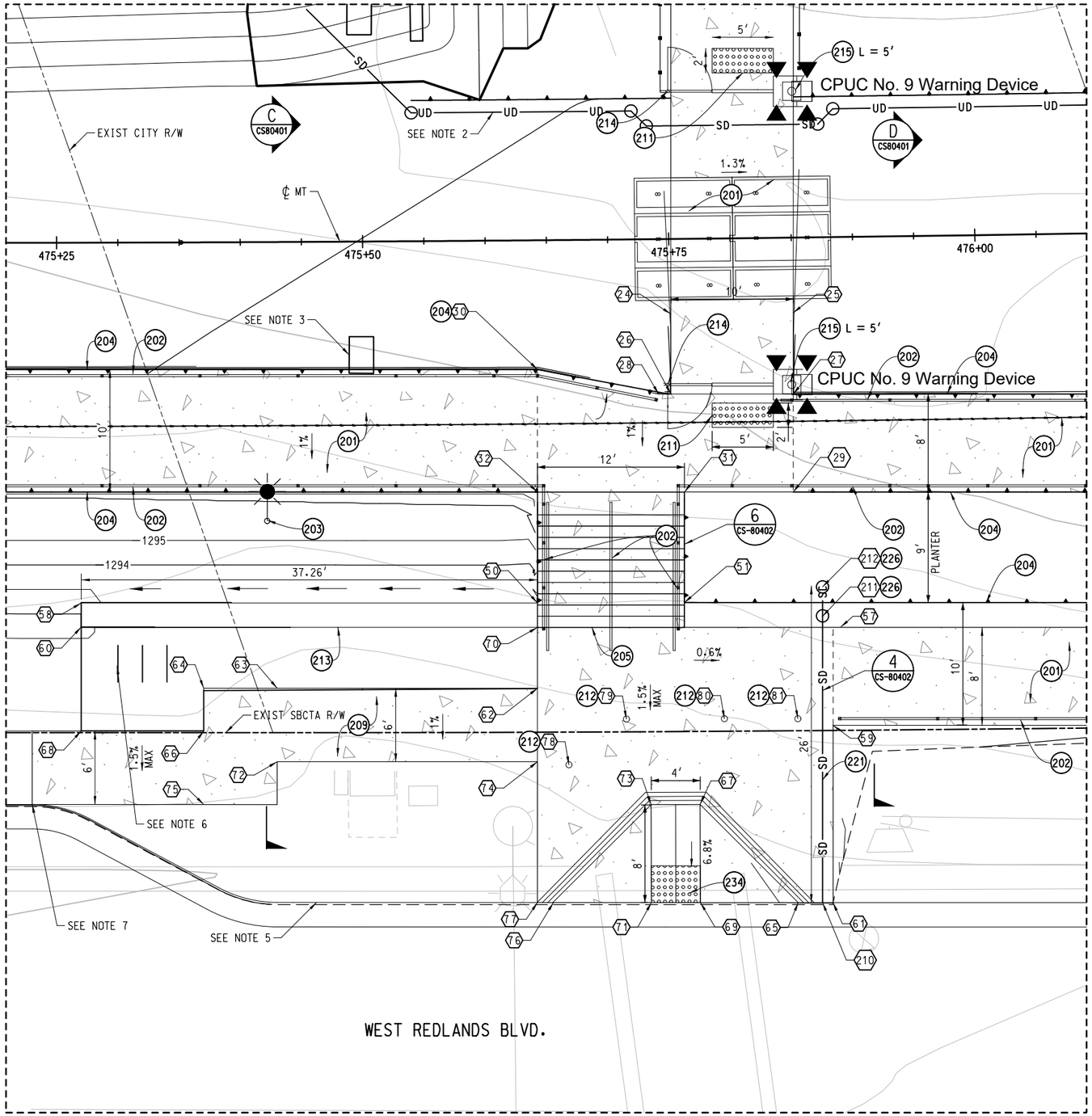
REDLANDS PASSENGER RAIL PROJECT

NEW YORK STATION PED. CROSSING
NEW YORK STATION
SIGNAGE PLAN SHEET 3 OF 3

CONTRACT NO. 17-1001699
DRAWING NO. AS80052
REVISION | SHEET NO.
SCALE 1"=10'

Redlands Regular Meeting of 09-20-2022

7/23/2017 11:08:27 PM OMAP-INPICS02
\\OMAP-INPICS01\CS16ePDF\5834\773125_1520\26495-10-AS80052.dgn
C:\Users\rjanik\Documents\CS16\5834\773125_1520\26495-10-AS80052.dgn
C:\Program Files (x86)\Common Files\InterPlot\IPLOT\bin\iplotdrvm.plt



	STA.	OFFSET	DESCRIPTION	ELEV
24	475+75.11	6.11′ RT	WALKWAY	1297.35
25	475+85.10	6.13′ RT	WALKWAY	1297.48
26	475+75.04	12.67′ RT	WALKWAY	1297.59
27	475+85.02	12.78′ RT	WALKWAY	1297.59
28	475+74.04	12.65′ RT	WALKWAY	1297.59
29	475+84.92	20.77′ RT	WALKWAY	1297.51
30	475+64.19	10.56′ RT	WALKWAY	1297.61
31	475+76.06	20.67′ RT	WALKWAY	1297.51
32	475+64.10	20.55′ RT	WALKWAY	1297.51
50	475+64.03	29.62′ RT	SEATWALL	1293.50
51	475+75.96	29.90′ RT	RETAINING WALL	1292.82
57	475+88.01	31.88′ RT	WALKWAY	1291.22
58	475+26.96	29.42′ RT	SEATWALL	1293.50
59	475+87.91	39.88′ RT	WALKWAY	1291.11
60	475+26.95	31.42′ RT	SEATWALL	1291.50
61	475+87.73	54.35′ RT	WALKWAY	1291.18
62	475+63.97	36.59′ RT	WALKWAY	1291.04
63	475+42.84	36.45′ RT	WALKWAY	1290.69
64	475+36.88	36.43′ RT	WALKWAY	1290.65
65	475+84.92	54.31′ RT	WALKWAY	1291.15
66	475+36.87	39.92′ RT	WALKWAY	1290.62
67	475+77.06	46.21′ RT	PEDRAMP	1290.93
68	475+26.93	39.88′ RT	WALKWAY	1290.50
69	475+77.00	54.14′ RT	PEDRAMP	1290.39
70	475+64.01	31.62′ RT	SEATWALL	1293.50
71	475+73.04	54.11′ RT	PEDRAMP	1290.34
72	475+42.81	42.45′ RT	WALKWAY	1290.64
73	475+73.09	46.18′ RT	PEDRAMP	1290.93
74	475+63.92	42.59′ RT	WALKWAY	1290.99
75	475+36.85	45.92′ RT	WALKWAY	1290.50
76	475+65.11	54.10′ RT	WALKWAY	1290.93
77	475+63.82	54.09′ RT	WALKWAY	1290.91
78	475+66.47	42.87′ RT	BOLLARDS	1290.64
79	475+71.16	39.17′ RT	BOLLARDS	1291.02
80	475+79.11	39.23′ RT	BOLLARDS	1291.04
81	475+85.07	39.30′ RT	BOLLARDS	1291.09
210	475+86.88	54.38 RT	STORM DRAIN	1290.50
211	475+87.17	30.92 RT	STORM DRAIN	1290.62
212	475+87.20	28.56 RT	STORM DRAIN	1292.70

CONSTRUCTION NOTES: STATION

(201) 4″ PCC WALKWAY PER SPPWC 112-2 & 113-2
(202) CONST. HANDRAILS - SEE ARCHITECTURAL PLANS
(203) LIGHTING - SEE ELECTRICAL
(204) RETAINING WALL - SEE STRUCTURAL PLANS
(205) STAIRWAY - PER SPPWC 640-4
(209) CONST. 4″ SIDEWALK PER CITY OF REDLANDS STD SPECIFICATIONS, WIDTH PER PLAN
(211) INSTALL ADA DETECTABLE WARNING SURFACE (RAISED TRUNCATED DOME PER SCRRA ES3203)
(212) INSTALL REMOVABLE BOLLARDS
(213) CONST. 2′x2.5′ CONCRETE SEATWALL
(214) INSTALL PEDESTRIAN SWING GATE PER SCRRA ENGINEERING STD 4002, LAYOUT PER PLAN
(215) INSTALL AUTOMATED GATE ARM, LENGTH PER PLAN
(221) CONST. 4″ PLASTIC STORM DRAIN
(226) INSTALL NDS 1200 NGB CATCH BASIN OR EQUIVALENT
(234) CONST. CURB RAMP PER SPPWC STD PLAN NO. 111-4

NOTES:

1. FOR SIGNAL IMPROVEMENTS SEE SIGNAL PLANS
2. FOR TRACK DRAINAGE IMPROVEMENTS SEE TRACK DRAINAGE PLANS
3. FOR ELECTRICAL IMPROVEMENTS SEE ELECTRICAL PLANS
4. FOR FENCING IMPROVEMENTS SEE FENCING PLANS
5. FOR KISS AND RIDE IMPROVEMENTS SEE CIVIL PLANS
6. FOR BIKE RACKS SEE STATION ARCHITECTURE PLANS
7. FOR SIDEWALK CONTINUATION SEE KISS AND RIDE PLANS

N

5 0 5 10
SCALE: 1″=5′-0″

7/25/2017 6:23:44 AM MGRANADO
\\PWAPPSACO1\California_Sacramento\Documents\SANBAG\SANBAG_RPRP_Final_Design\6.0_CAD_BIM\6.2_Work_in_Progress\6.2.2 Contract Files\Final Design\06_CIVIL\SITE-STATIONS\NEW YORK STATION SITE PLAN SHEET 3 OF 3.dgn
\\PWAPPSACO1\California_Sacramento\Documents\SANBAG\SANBAG_RPRP_Final_Design\6.0_CAD_BIM\6.2_Work_in_Progress\6.2.2 Contract Files_PlotDRV\SANBAG_BW
\\pwworking\sac\d0761459\SANBAG-11x17bw_pdf.plt.cfg

REV.	DATE		BY	SUB.	APP.

DESIGNED BY L.HERNANDEZ
DRAWN BY J.K. ANDRES
CHECKED BY A. SHAH
APPROVED BY R. KLOVSKY
DATE 7-28-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

SUBMITTED: _____ PROJECT MANAGER

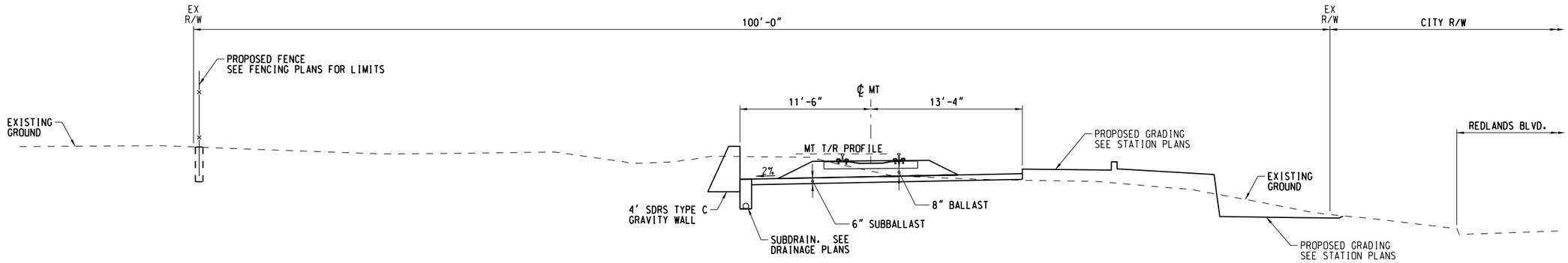
APPROVED: _____

90% SUBMITTAL
NOT FOR CONSTRUCTION

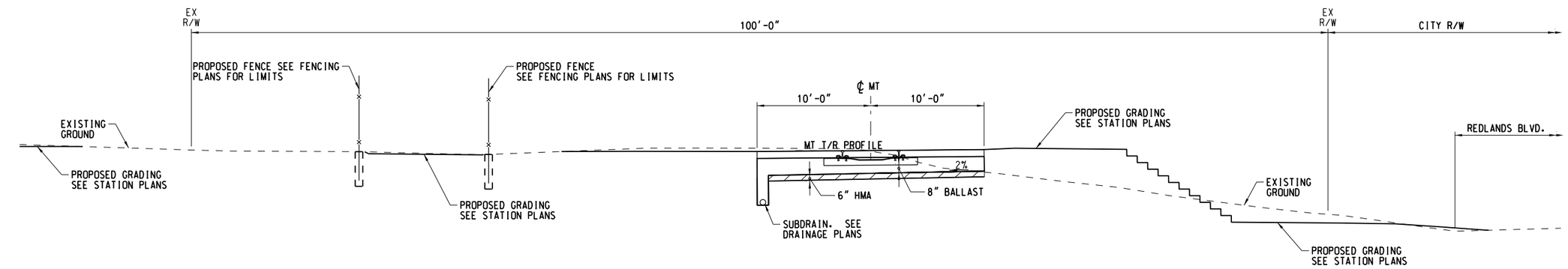
REDLANDS PASSENGER RAIL PROJECT

NEW YORK STATION PED. CROSSING
NEW YORK STATION
SITE PLAN
SHEET 3 OF 3

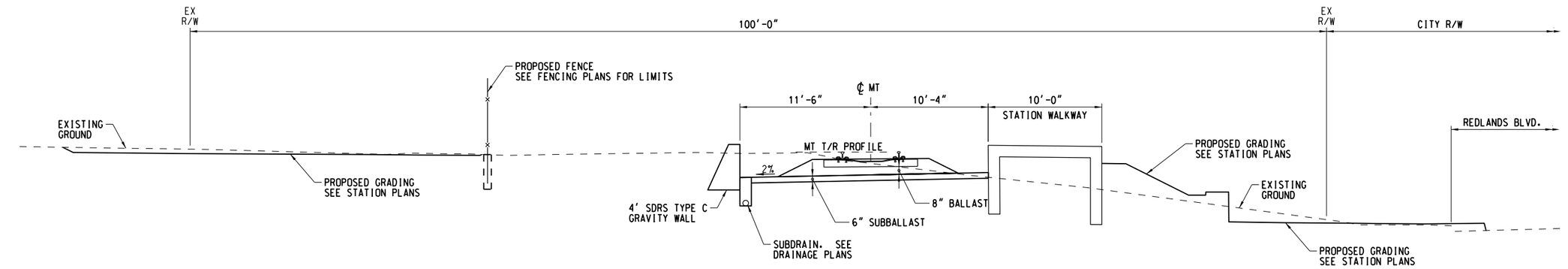
CONTRACT NO. 17-1001699
DRAWING NO. CS80104
REVISION | SHEET NO.
SCALE AS SHOWN



MT STA 475+88 TO STA 476+49



MT STA 475+72 TO STA 475+88
(STATION CROSSING)



MT STA 475+42 TO STA 475+72

NOTE:

1. SEE DRAWING RR00301 FOR ROADBED WIDENING ON CURVES.
2. SUBBALLAST TRANSITION TO OCCUR OVER 25 FEET.

REV.	DATE		BY	SUB.	APP.

DESIGNED BY: MIHALOVICH/BROWN
DRAWN BY: J. BROWN
CHECKED BY: A. STAHLNECKER
APPROVED BY: R. KLOVSKY
DATE: 7-28-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

SUBMITTED: _____ PROJECT MANAGER

APPROVED: _____

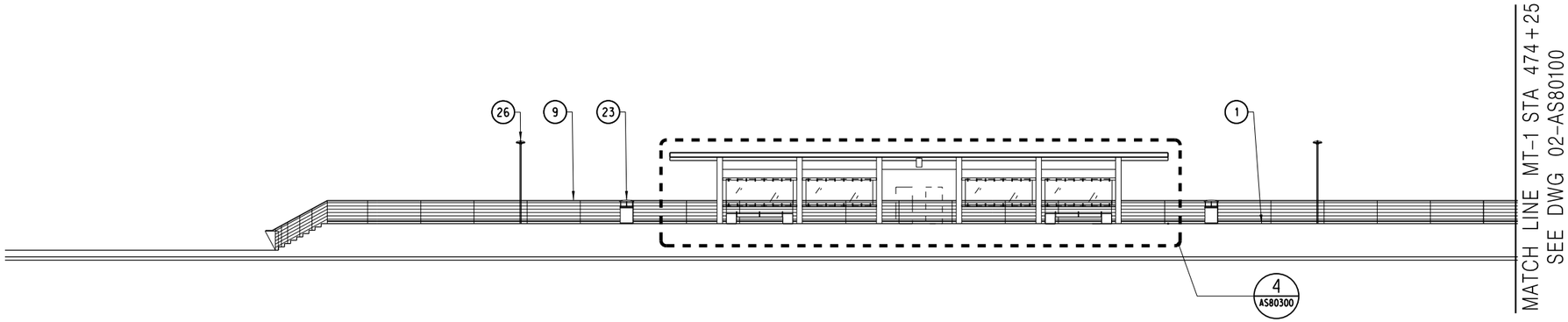
90% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

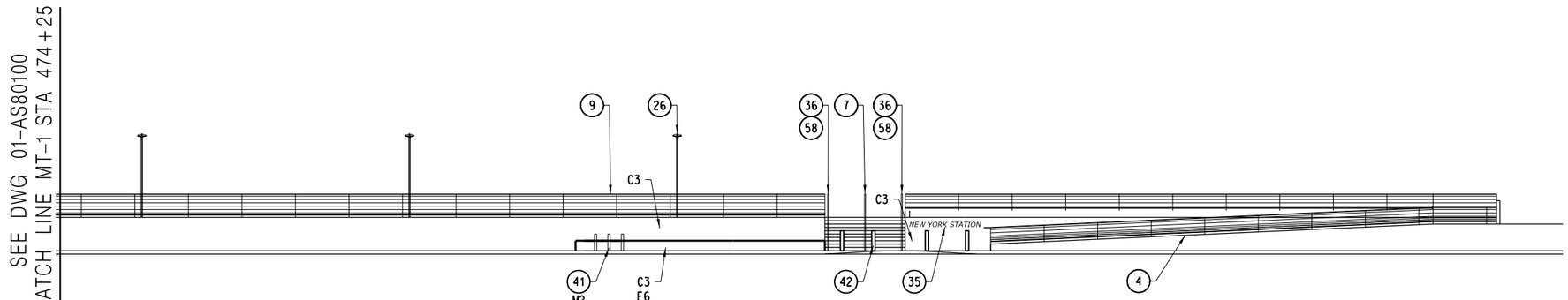
TRACK TYPICAL SECTIONS
MT STA 475+42 TO STA 476+49

CONTRACT NO. 17-1001699
DRAWING NO. RR00332
REVISION | SHEET NO.
SCALE NTS

7/23/2017 10:33:59 PM
OMAP-INP\CS01\$
C:\Users\mihalovich\Documents\Projects\SBBA\CAD\Files\SBBA_CAD_Files_(x86)\Common Files\InterPlot\PLOT\bin\plotdrvm.plt
C:\Program Files (x86)\Common Files\InterPlot\PLOT\bin\plotdrvm.plt
OMAP-INP\CS01\CS16rPDF\5826\773113_399\26495-RR00332.dgn
Redlands Regular Meeting of 09-20-2022



CANOPY ELEVATION (TRAIN SIDE)
SCALE: 1'=10'
1 AS80100



ENTRY ELEVATION
SCALE: 1'=10'
2 AS80100

GENERAL NOTES:

1. TYPICAL KEYNOTES ARE SHOWN ONLY ONCE FOR SIMILAR ITEMS IN DRAWING, UNO
2. DIMENSIONS ARE CENTERLINE OF GRID, UNO.
3. TOP OF PLATFORM/FINISH FLOOR = 0'-0" REFER TO CIVIL.

CEILING LEGEND:

- EXPOSED AESS ACOUSTICAL CELLULAR ROOF DECK, SEE STRUCTURAL
- SEALED REDWOOD VENEER

MATERIAL ITEM LEGEND:

C1 CONCRETE
C2 CLAY TILE - TERRA COTTA
C3 CIP CONCRETE - SPLIT FACE FINISH
G1 EXTERIOR POLYCARBONATE PANEL
M1 PAINTED METAL
M2 STAINLESS STEEL
M3 BRUSHED ALUMINUM

FINISH LEGEND:

F1 PAINT (1) - FIELD APPLIED - FEDERAL STANDARD 17875 INSIGNIA WHITE
F2 PAINT (2) - FIELD APPLIED - FEDERAL STANDARD 20260 TAN
F3 PAINT (3) - FIELD APPLIED - FEDERAL STANDARD 34095 FIELD GREEN
F4 FACTORY FINISH - MATTE BLACK POWDERCOAT
F5 FACTORY FINISH - SILVER POWDERCOAT
F6 CONCRETE W/ VANDALPROOF SEALER FINISH
F7 TRANSLUCENT VANDALPROOF SURFACE
F8 PAINT (4) - FIELD APPLIED - FEDERAL STANDARD 12160

CONSTRUCTION NOTES:

1 PLATFORM
3 MINI-HIGH RAMP/ PLATFORM
4 ACCESSIBLE RAMP
5 RETAINING WALL
7 HANDRAILS
8 GUARDRAILS - AS PER SCRRA STD ES5102
9 GUARDRAILS - CUSTOM CABLE RAILING
22 BENCH SEATING
23 TRASH RECEPTICLE
25 TICKET VENDING MACHINE (TVM)
26 LIGHTING - SEE ELECTRICAL
27 VARIABLE MESSAGE SIGN (VMS)
29 DISPLAY CASE - AS PER SCRRA STD ES3328
35 SIGNAGE
36 ILLUMINATED HANDRAILS
40 PLANTER
41 HOOP BICYCLE RACK
42 PROTECTIVE BOLLARD
58 SEE ELECTRICAL
60 SEE COMMUNICATIONS

10 0 10 20
SCALE: 1"=10'

REV.	DATE		BY	SUB.	APP.

DESIGNED BY E. GUERRERO
DRAWN BY A. SUZUKI
CHECKED BY BBRANDLE-RJANIK
APPROVED BY R. KLOVSKY
DATE 7-28-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

SUBMITTED: _____ PROJECT MANAGER
APPROVED: _____

90% SUBMITTAL
NOT FOR CONSTRUCTION

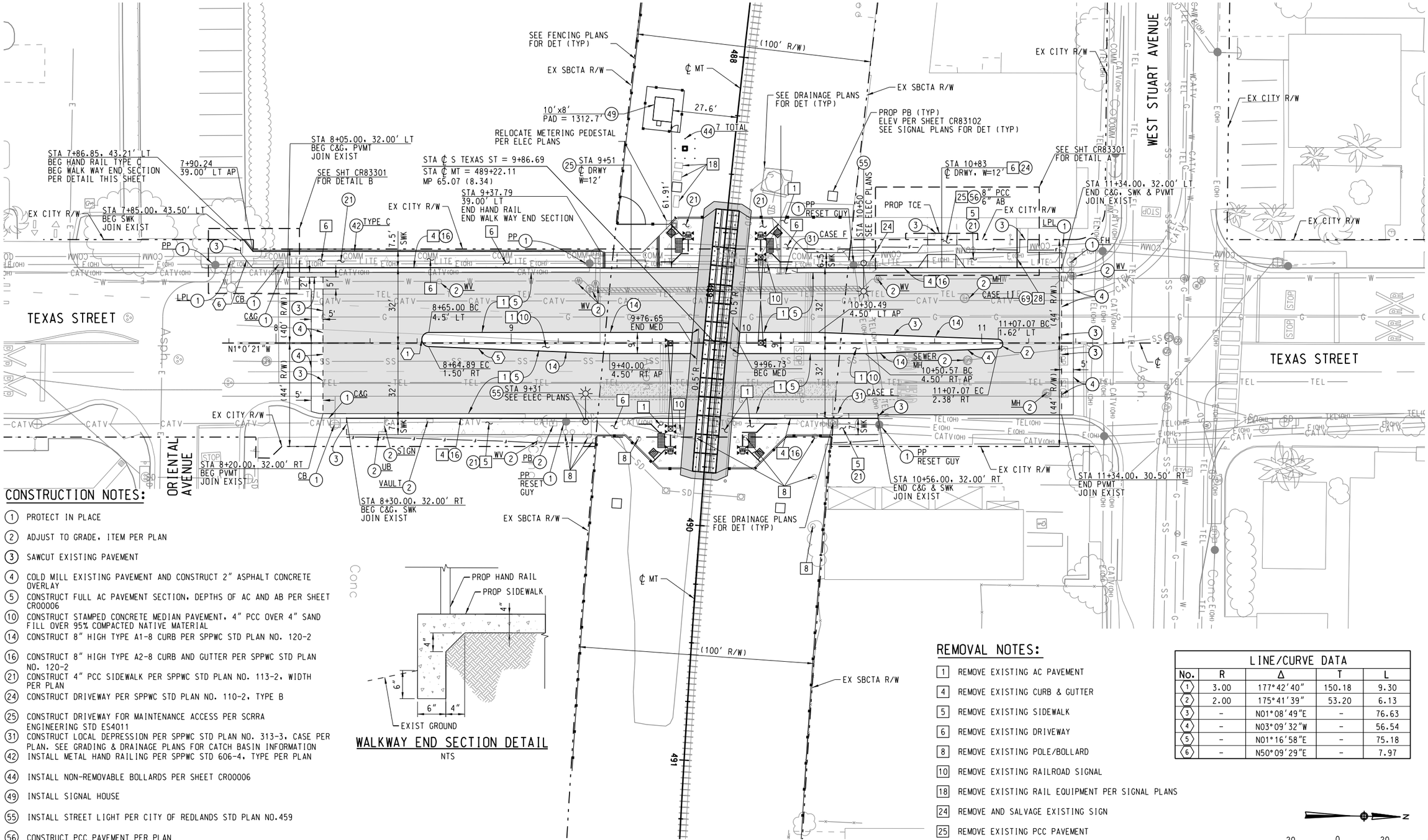
REDLANDS PASSENGER RAIL PROJECT

NEW YORK STATION PED. CROSSING
NEW YORK STREET STATION
OVERALL ELEVATION

CONTRACT NO. 17-1001699
DRAWING NO. AS80100
REVISION | SHEET NO.
SCALE 1"=10'-0"

7/23/2017 11:09:25 PM
C:\Users\rjanik\Documents\OMAP-INPICS01\NCS1for\PDF\5834\773125_56\773125-56-426495-10-AS80100.dgn
OMAP-INPICS03$
Program Files (x86)\Common Files\InterPlot\IPLOT\bin\plotdrvm.plt

Redlands Regular Meeting of 09-20-2022



CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST TO GRADE, ITEM PER PLAN
3. SAWCUT EXISTING PAVEMENT
4. COLD MILL EXISTING PAVEMENT AND CONSTRUCT 2" ASPHALT CONCRETE OVERLAY
5. CONSTRUCT FULL AC PAVEMENT SECTION, DEPTHS OF AC AND AB PER SHEET CR00006
10. CONSTRUCT STAMPED CONCRETE MEDIAN PAVEMENT, 4" PCC OVER 4" SAND FILL OVER 95% COMPACTED NATIVE MATERIAL
14. CONSTRUCT 8" HIGH TYPE A1-8 CURB PER SPPWC STD PLAN NO. 120-2
16. CONSTRUCT 8" HIGH TYPE A2-8 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2
21. CONSTRUCT 4" PCC SIDEWALK PER SPPWC STD PLAN NO. 113-2, WIDTH PER PLAN
24. CONSTRUCT DRIVEWAY PER SPPWC STD PLAN NO. 110-2, TYPE B
25. CONSTRUCT DRIVEWAY FOR MAINTENANCE ACCESS PER SCRRA ENGINEERING STD ES4011
31. CONSTRUCT LOCAL DEPRESSION PER SPPWC STD PLAN NO. 313-3, CASE PER PLAN. SEE GRADING & DRAINAGE PLANS FOR CATCH BASIN INFORMATION
42. INSTALL METAL HAND RAILING PER SPPWC STD 606-4, TYPE PER PLAN
44. INSTALL NON-REMOVABLE BOLLARDS PER SHEET CR00006
49. INSTALL SIGNAL HOUSE
55. INSTALL STREET LIGHT PER CITY OF REDLANDS STD PLAN NO.459
56. CONSTRUCT PCC PAVEMENT PER PLAN
69. INSTALL CURB DRAIN PER SPPWC STD PLAN NO.150-3, CASE PER PLAN

WALKWAY END SECTION DETAIL

NTS

REMOVAL NOTES:

1. REMOVE EXISTING AC PAVEMENT
4. REMOVE EXISTING CURB & GUTTER
5. REMOVE EXISTING SIDEWALK
6. REMOVE EXISTING DRIVEWAY
8. REMOVE EXISTING POLE/BOLLARD
10. REMOVE EXISTING RAILROAD SIGNAL
18. REMOVE EXISTING RAIL EQUIPMENT PER SIGNAL PLANS
24. REMOVE AND SALVAGE EXISTING SIGN
25. REMOVE EXISTING PCC PAVEMENT
28. REMOVE EXISTING DRAINAGE PIPE

DOT 027239R, CPUC 101 SG-65.07

LINE/CURVE DATA				
No.	R	Δ	T	L
1	3.00	177°42'40"	150.18	9.30
2	2.00	175°41'39"	53.20	6.13
3	-	N01°08'49"E	-	76.63
4	-	N03°09'32"W	-	56.54
5	-	N01°16'58"E	-	75.18
6	-	N50°09'29"E	-	7.97

SCALE: 1"=20'

REV.	DATE		BY SUB.	APP.

DESIGNED BY J. SONG
DRAWN BY W. STEBOK
CHECKED BY C. CHRISTOPLIS
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

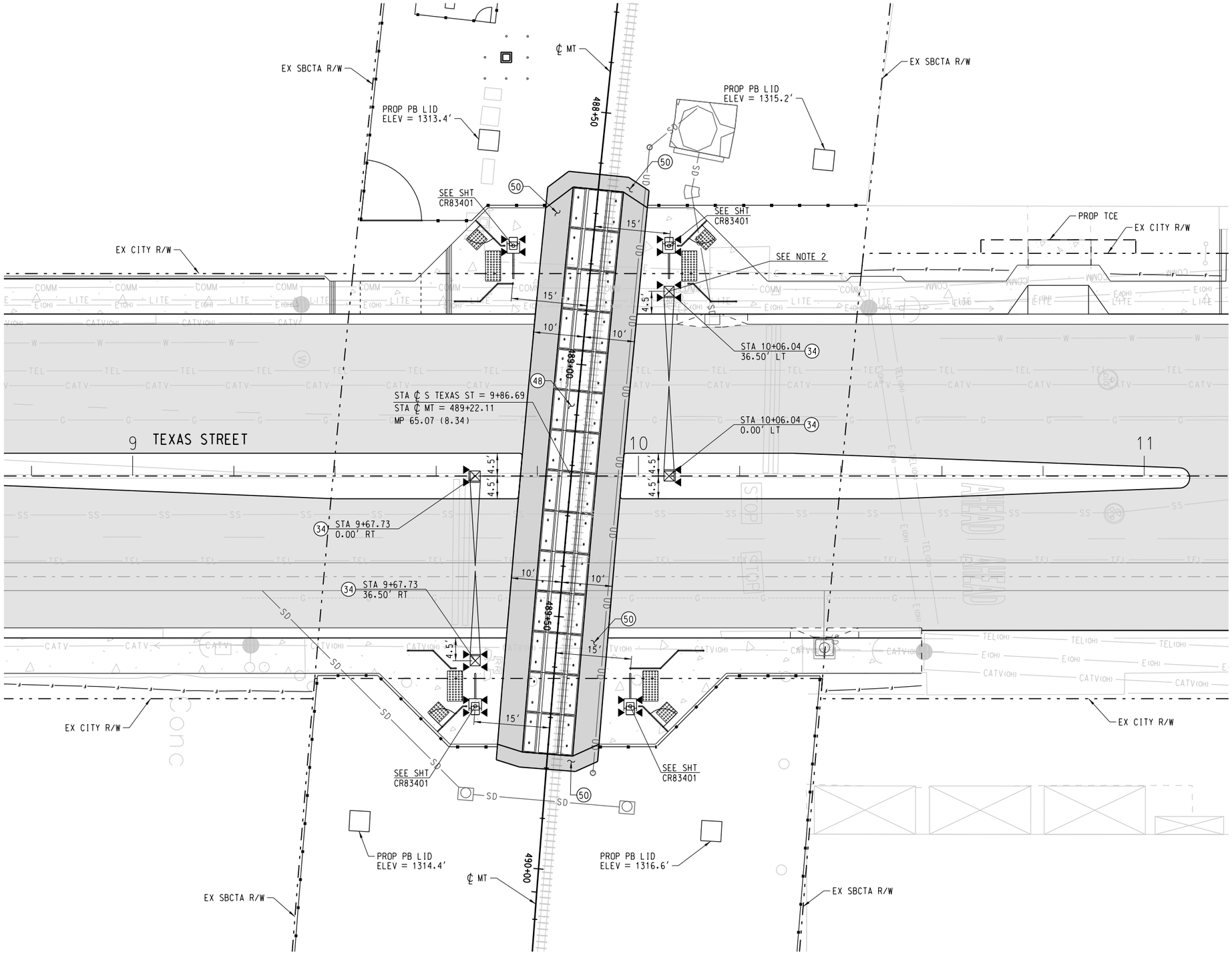
100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
TEXAS STREET – MP 65.07 (8.34)
LAYOUT

CONTRACT NO. 17-1001705
DRAWING NO. CR83101
REVISION | SHEET NO.
SCALE 1"=20'

12/19/2017 9:13:54 AM
C:\OMAP-INP\CS01\VCS1to1PDF\92\1883953-83\2649S-06-CR83101.DGN
Microstation Version: 08.11.07.443 (64bit)
Workspace: C:\Program Files (x86)\Common Files\InterPlot\VPLOT\bin\ipoldrvm.plt
OMAP-INP\CS01$



CONSTRUCTION NOTES:

(34) INSTALL CPUC STD NO. 9 ACTIVE WARNING DEVICE PER SCRRA ENGINEERING STD ES8300

(48) INSTALL PRECAST CONCRETE PANELS PER SCRRA ENGINEERING STD ES4201, LAYOUT PER TRACK PLANS

(50) CONSTRUCT ASPHALT CONCRETE PAVEMENT AND RAMP PER SCRRA ENGINEERING STD ES4201

NOTES:

1. PEDESTRIAN FACILITIES AT VEHICLE CROSSINGS SHALL COMPLY WITH SCRRA ENGINEERING STANDARDS ES4011 AND ES4012, WHICHEVER IS APPLICABLE.
2. PROTECT UTILITY - HAND DIG OR POTHOLE EXISTING UTILITY LINE.

12/19/2017 9:13:57 AM
OMAP-INP\CS01\CS1sr PDF\223\883953_86_26495-06-CR83102.DGN
OMAP-INP\CS01\CS1sr Working Files (x86)\Civil\Sheets (x86)\CIVIL F\883953_86_26495-06-CR83102.dgn
C:\Program Files (x86)\Common Files\InterPlot\IPLOT\bin\iplotdrvrn.plt
OMAP-INP\CS02$

REV.	DATE		BY SUB.	BY APP.

DESIGNED BY J. SONG
DRAWN BY W. STEBOK
CHECKED BY C. CHRISTOPLIS
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

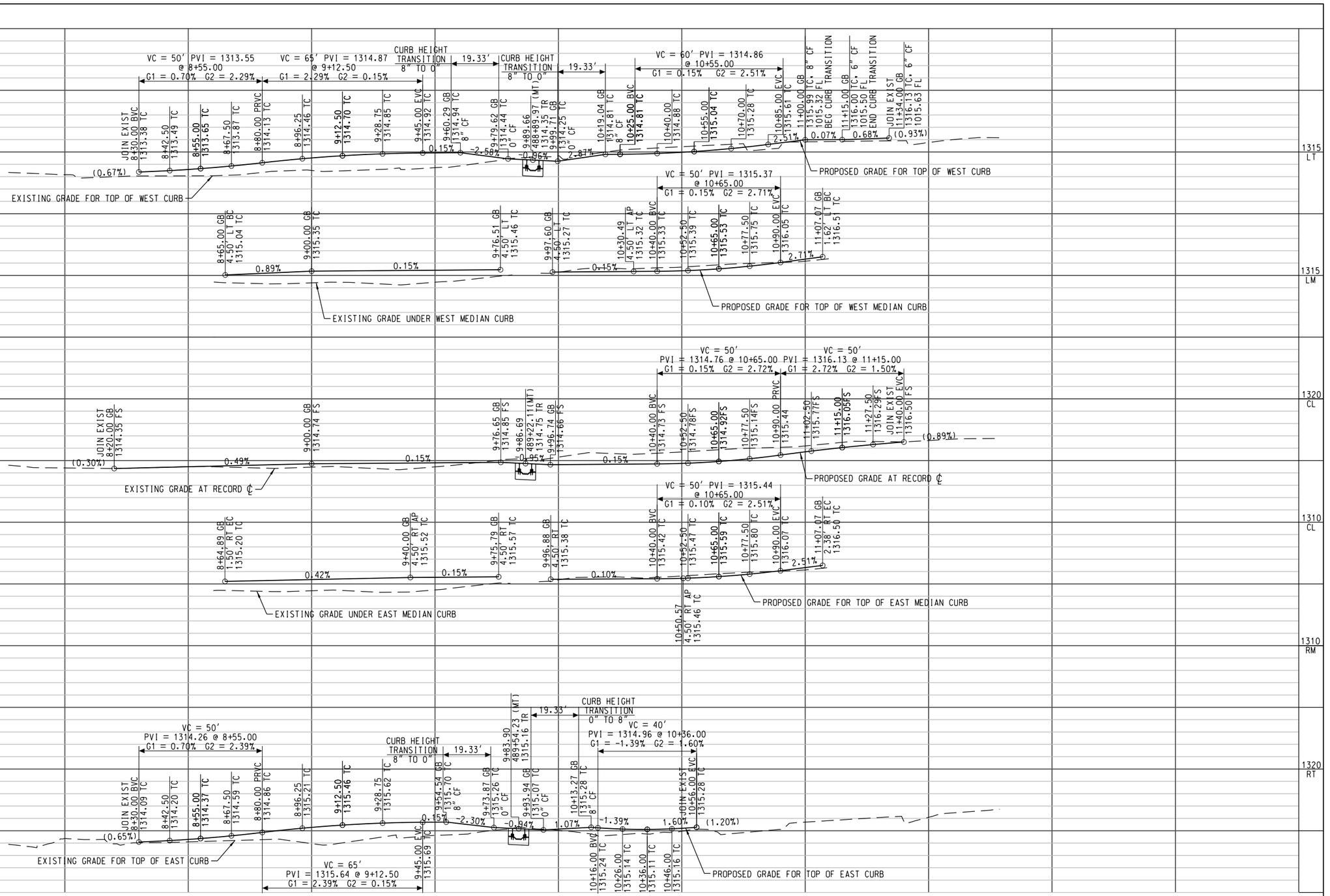
HDR
2280 Market Street, Sulte 100
Riverside, CA 92501-2110
(951) 320-7300

100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
TEXAS STREET – MP 65.07 (8.34)
GRADE CROSSING LAYOUT

CONTRACT NO. 17-1001705
DRAWING NO. CR83102
REVISION | SHEET NO.
SCALE 1"=10'



OMAP-INPICS02

9:13:57 AM
12/19/2017
\\OMAP-INPICS01\CS1\ePDF\923\883953_84\126495-06-CR83201.DGN
C:\Users\kking.OMNITRANS\Desktop\Working Copy\CR83201_SAMPLE_PLAN_PROFILE.dgn
C:\Program Files (x86)\Common Files\InterPlot\IPILOT\bin\iplotdrvm.plt

REV.	DATE	BY	SUB.	APP.

DESIGNED BY	J. SONG
DRAWN BY	W. STEBOK
CHECKED BY	C. CHRISTOPLIS
APPROVED BY	R. KLOVSKY
DATE	12-20-2017

San Bernardino County Transportation Authority

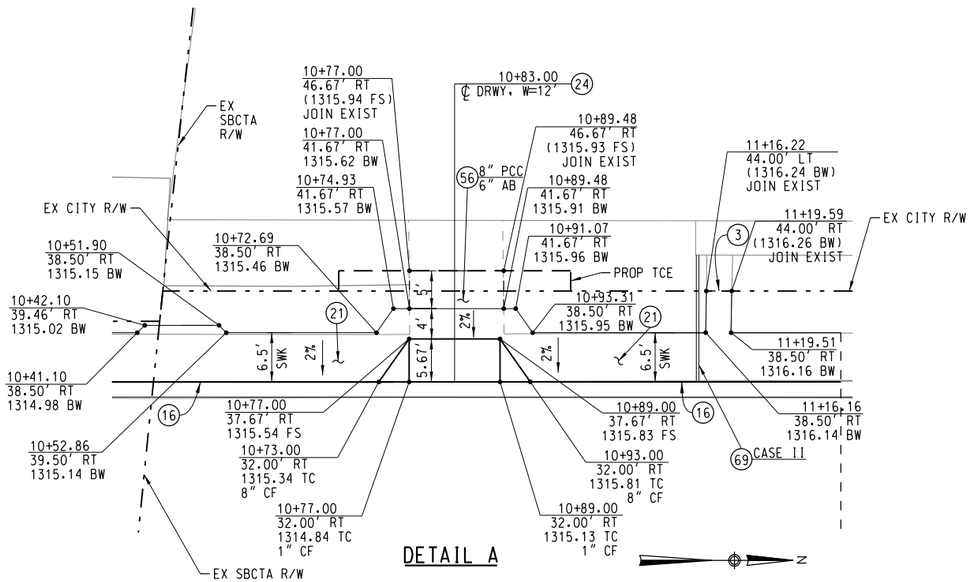
HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

100% SUBMITTAL
NOT FOR CONSTRUCTION

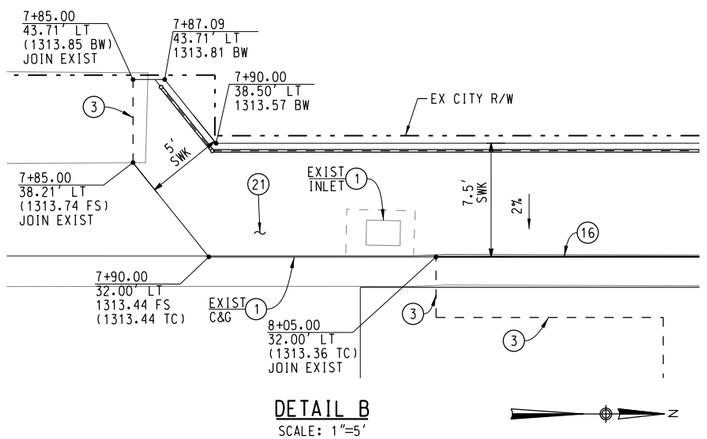
REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
TEXAS STREET – MP 65.07 (8.34)
PROFILE

CONTRACT NO.	17-1001705
DRAWING NO.	CR83201
REVISION	SHEET NO.
SCALE	HORIZ 1"=20' VERT 1"=4'



DETAIL A

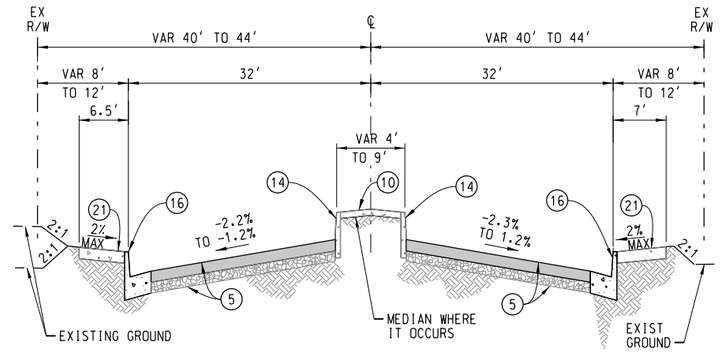


DETAIL B

SCALE: 1"=5'

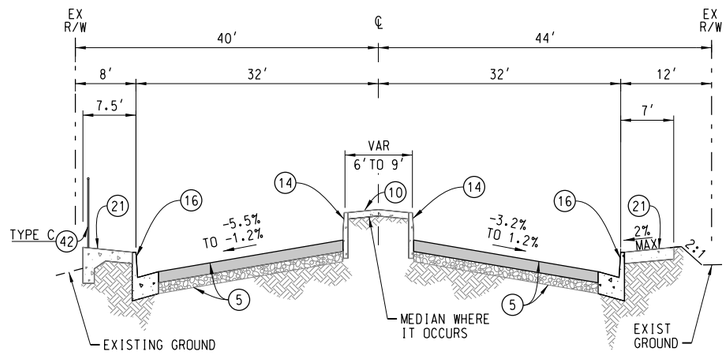
CONSTRUCTION NOTES:

1. PROTECT IN PLACE
3. SAWCUT EXISTING PAVEMENT
5. CONSTRUCT FULL AC PAVEMENT SECTION, DEPTHS OF AC AND AB PER SHEET CR00006
10. CONSTRUCT STAMPED CONCRETE MEDIAN PAVEMENT, 4" PCC OVER 4" SAND FILL OVER 95% COMPACTED NATIVE MATERIAL
14. CONSTRUCT 8" HIGH TYPE A1-8 CURB PER SPPWC STD PLAN NO. 120-2
16. CONSTRUCT 8" HIGH TYPE A2-8 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2
21. CONSTRUCT 4" PCC SIDEWALK PER SPPWC STD PLAN NO. 113-2, WIDTH PER PLAN
24. CONSTRUCT DRIVEWAY PER SPPWC STD PLAN NO. 110-2, TYPE B
42. INSTALL METAL HAND RAILING PER SPPWC STD 606-4, TYPE PER PLAN
56. CONSTRUCT PCC PAVEMENT PER PLAN
69. INSTALL CURB DRAIN PER SPPWC STD PLAN NO.150-3, CASE PER PLAN



TEXAS STREET

NORTH OF CROSSING
NTS



TEXAS STREET

SOUTH OF CROSSING
NTS

OMAP-INPICS01$
9:14:27 AM
'12/19/2017
\\OMAP-INPICS01\CS1$\PDF\923\883953_85\26495-06-CR83301.DGN
Roadway Design Group (GIS-BIM-CAD-SAN-FLT-HWY)
C:\Program Files (x86)\Common Files\InterPlot\IPLOT\bin\plotdrvm.plt

Redlands Regular Meeting of 09-20-2022

REV.	DATE		BY	SUB.	APP.

DESIGNED BY J. SONG
DRAWN BY W. STEBOK
CHECKED BY C. CHRISTOPLIS
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
TEXAS STREET – MP 65.07 (8.34)
TYPICAL SECTION & CONSTRUCTION DETAILS

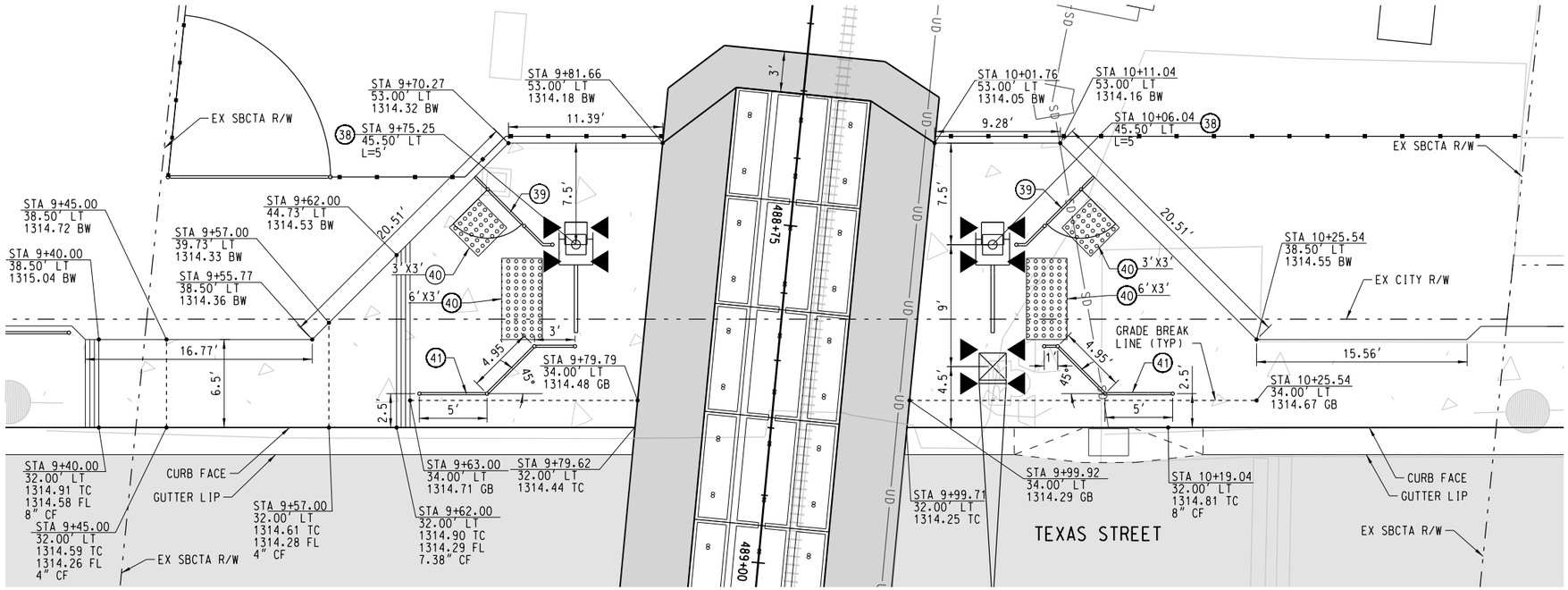
CONTRACT NO. 17-1001705
DRAWING NO. CR83301
REVISION | SHEET NO.
SCALE 1"=10'

CONSTRUCTION NOTES:

(38) INSTALL CPUC STD NO. 9 PEDESTRIAN AUTOMATIC WARNING DEVICE WITH GATE ARM PER SCRRA ENGINEERING STD ES8300. LENGTH PER PLAN
(39) INSTALL PEDESTRIAN SWING GATE PER SCRRA ENGINEERING STD ES4002, LAYOUT PER PLAN
(40) INSTALL ADA DETECTABLE WARNING SURFACE (RAISED TRUNCATED DOME), DIMENSIONS PER PLAN
(41) INSTALL METAL HAND RAILING PER SCRRA ENGINEERING STD ES4005

NOTES:

1. PEDESTRIAN FACILITIES AT VEHICLE CROSSINGS SHALL COMPLY WITH SCRRA ENGINEERING STANDARDS ES4011 AND ES4012, WHICHEVER IS APPLICABLE.
2. SEE ROADWAY LAYOUT SEE SHEET FOR STATIONING.



REV.	DATE		BY	SUB.	APP.

DESIGNED BY J. SONG
DRAWN BY W. STEBOK
CHECKED BY C. CHRISTOPLIS
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Sulte 100
Riverside, CA 92501-2110
(951) 320-7300

100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
TEXAS STREET – MP 65.07 (8.34)
GRADE CROSSING DETAILS

CONTRACT NO. 17-1001705
DRAWING NO. CR83401
REVISION | SHEET NO.
SCALE 1"=5'

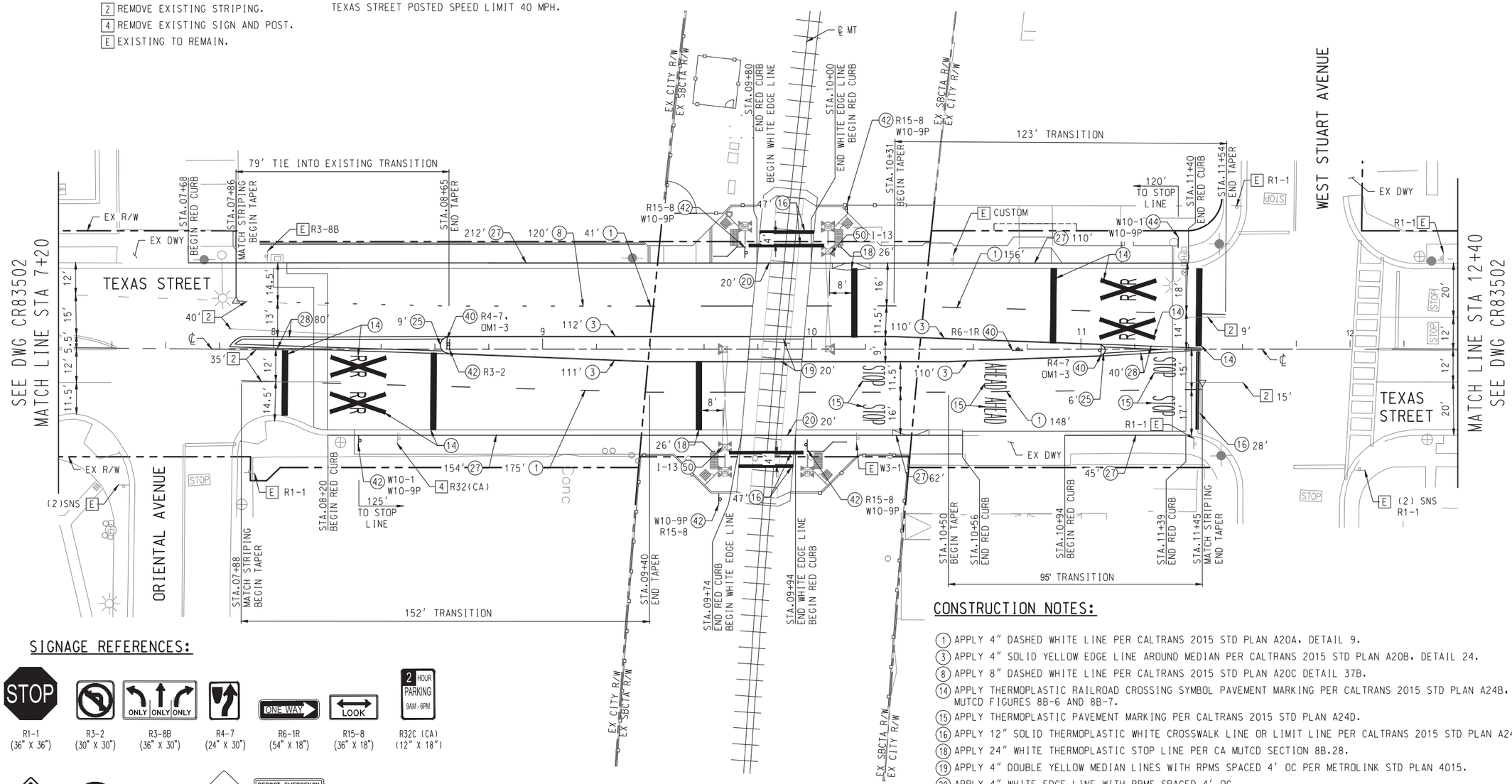
12/19/2017 9:14:16 AM OMAP-INPICS02$
C:\Users\wstebok\Documents\OMAP-INPICS01\CS1orPDF\923\883953--87\26495-06-CR83401.DGN
Workspace -- Default
Workflow -- (CS1) FHWA-CS1-SAN-BNSF-1.wfl
Program Files (x86)\Common Files\InterPlot\IPLOT\bin\plotdrvm.plt

REMOVAL NOTES:

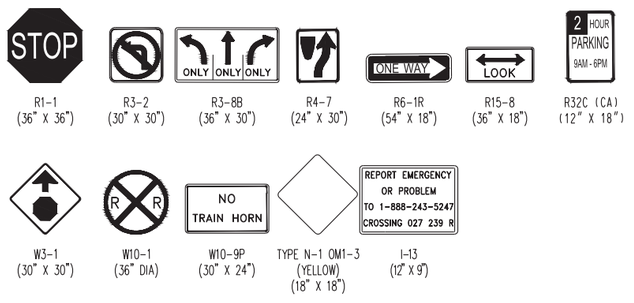
[2] REMOVE EXISTING STRIPING.
[4] REMOVE EXISTING SIGN AND POST.
[E] EXISTING TO REMAIN.

GENERAL NOTES:

TEXAS STREET POSTED SPEED LIMIT 40 MPH.



SIGNAGE REFERENCES:



CONSTRUCTION NOTES:

(1) APPLY 4" DASHED WHITE LINE PER CALTRANS 2015 STD PLAN A20A, DETAIL 9.
(3) APPLY 4" SOLID YELLOW EDGE LINE AROUND MEDIAN PER CALTRANS 2015 STD PLAN A20B, DETAIL 24.
(8) APPLY 8" DASHED WHITE LINE PER CALTRANS 2015 STD PLAN A20C DETAIL 37B.
(14) APPLY THERMOPLASTIC RAILROAD CROSSING SYMBOL PAVEMENT MARKING PER CALTRANS 2015 STD PLAN A24B, AND CA MUTCD FIGURES 8B-6 AND 8B-7.
(15) APPLY THERMOPLASTIC PAVEMENT MARKING PER CALTRANS 2015 STD PLAN A24D.
(16) APPLY 12" SOLID THERMOPLASTIC WHITE CROSSWALK LINE OR LIMIT LINE PER CALTRANS 2015 STD PLAN A24E.
(18) APPLY 24" WHITE THERMOPLASTIC STOP LINE PER CA MUTCD SECTION 8B.28.
(19) APPLY 4" DOUBLE YELLOW MEDIAN LINES WITH RPMS SPACED 4' OC PER METROLINK STD PLAN 4015.
(20) APPLY 4" WHITE EDGE LINE WITH RPMS SPACED 4' OC.
(25) PAINT MEDIAN NOSE YELLOW WITH TYPE "D" RPMS 2' OC.
(27) PAINT CURB RED.
(28) APPLY 4" DOUBLE YELLOW LINES WITH RPMS PER CALTRANS STD PLAN A20B, DETAIL 29.
(40) INSTALL SIGN AND POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE 3.5' ABOVE FINISH SURFACE.
(42) INSTALL SIGN AND POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE A MINIMUM 7' ABOVE FINISHED GRADE.
(44) INSTALL SIGN ON STREET LIGHT POLE AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE A MINIMUM OF 7' ABOVE FINISH SURFACE.
(50) INSTALL SIGN ON EXISTING GATE MECHANISM.

SCALE: 1"=20'

SEE CIVIL SHEETS FOR CURB, RAMP, MEDIAN AND SIDEWALK IMPROVEMENTS

REV.	DATE	BY	SUB.	APP.

DESIGNED BY B. SCHLUETER
DRAWN BY B. SCHLUETER
CHECKED BY N. MINICILLI
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

CTT TRAFFIC
5865 AVENIDA ENCINAS, #142-B
CARLSBAD, CA 92008
PH: 760-602-4290
WWW.STCTRAFFIC.COM

APPROVED: _____

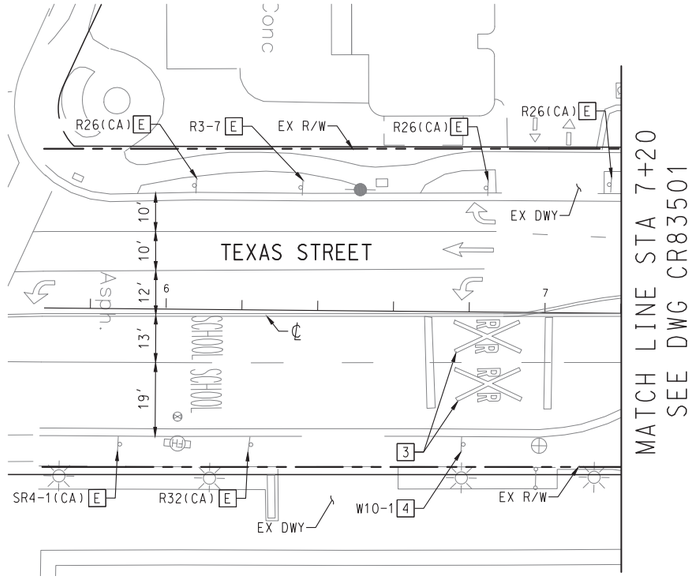
100% SUBMITTAL
NOT FOR CONSTRUCTION

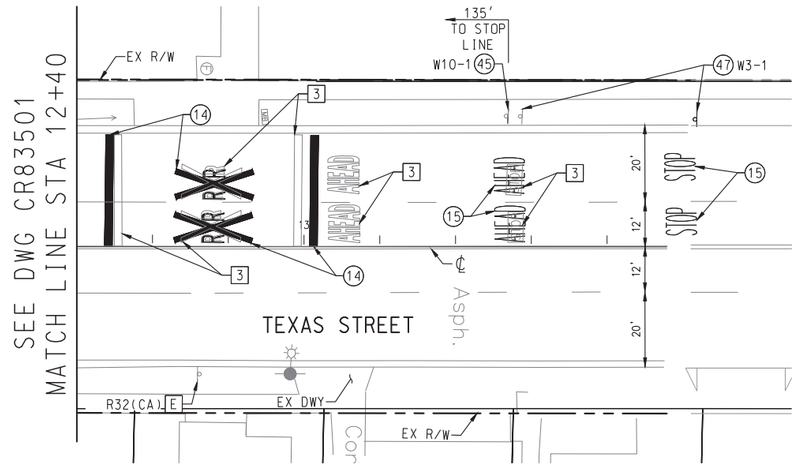
REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
TEXAS STEET - MP 65.07 (8.34)
SIGNING AND STRIPING (SHEET 1 OF 2)

CONTRACT NO. C15-1001093
DRAWING NO. CR83501
REVISION | SHEET NO.
SCALE HORIZ 1"=20'

12/7/2017 2:48 PM brandon schlueter
s:\projects\hdr\0398_redlands passenger rail design project\07_engineering\cadd\div\26495-06-cr83501.dwg
sheet1.ctb

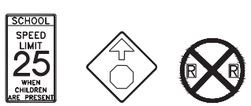




SIGNAGE REFERENCES:



R3-7R (30" X 30") | R26 (CA) (12" X 18") | R32C (CA) (12" X 18")



SR4-1 (24" X 48") | W3-1 (30" X 30") | W10-1 (36" DIA)

GENERAL NOTES:

TEXAS STREET POSTED SPEED LIMIT 40 MPH.

CONSTRUCTION NOTES:

(14) APPLY THERMOPLASTIC RAILROAD CROSSING SYMBOL PAVEMENT MARKING PER CALTRANS 2015 STD PLAN A24B, AND CA MUTCD FIGURES 8B-6 AND 8B-7.

(15) APPLY THERMOPLASTIC PAVEMENT MARKING PER CALTRANS 2015 STD PLAN A24D.

(45) REPLACE SIGN ON EXISTING SIGN POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE A MINIMUM OF 7' ABOVE FINISH SURFACE.

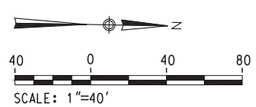
(47) RELOCATE EXISTING SIGN ON NEW POST AS NOTED ON PLAN.

REMOVAL NOTES:

[3] REMOVE EXISTING PAVEMENT MARKING.

[4] REMOVE EXISTING SIGN AND POST.

[E] EXISTING TO REMAIN.



SCALE: 1"=40'

REV.	DATE		BY	SUB.	APP.

DESIGNED BY B. SCHLUETER
DRAWN BY B. SCHLUETER
CHECKED BY N. MINICILLI
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

STC TRAFFIC
5865 AVENIDA ENCINAS, #142-B
CARLSBAD, CA 92008
PH: 760-602-4290
WWW.STCTRAFFIC.COM

APPROVED: _____

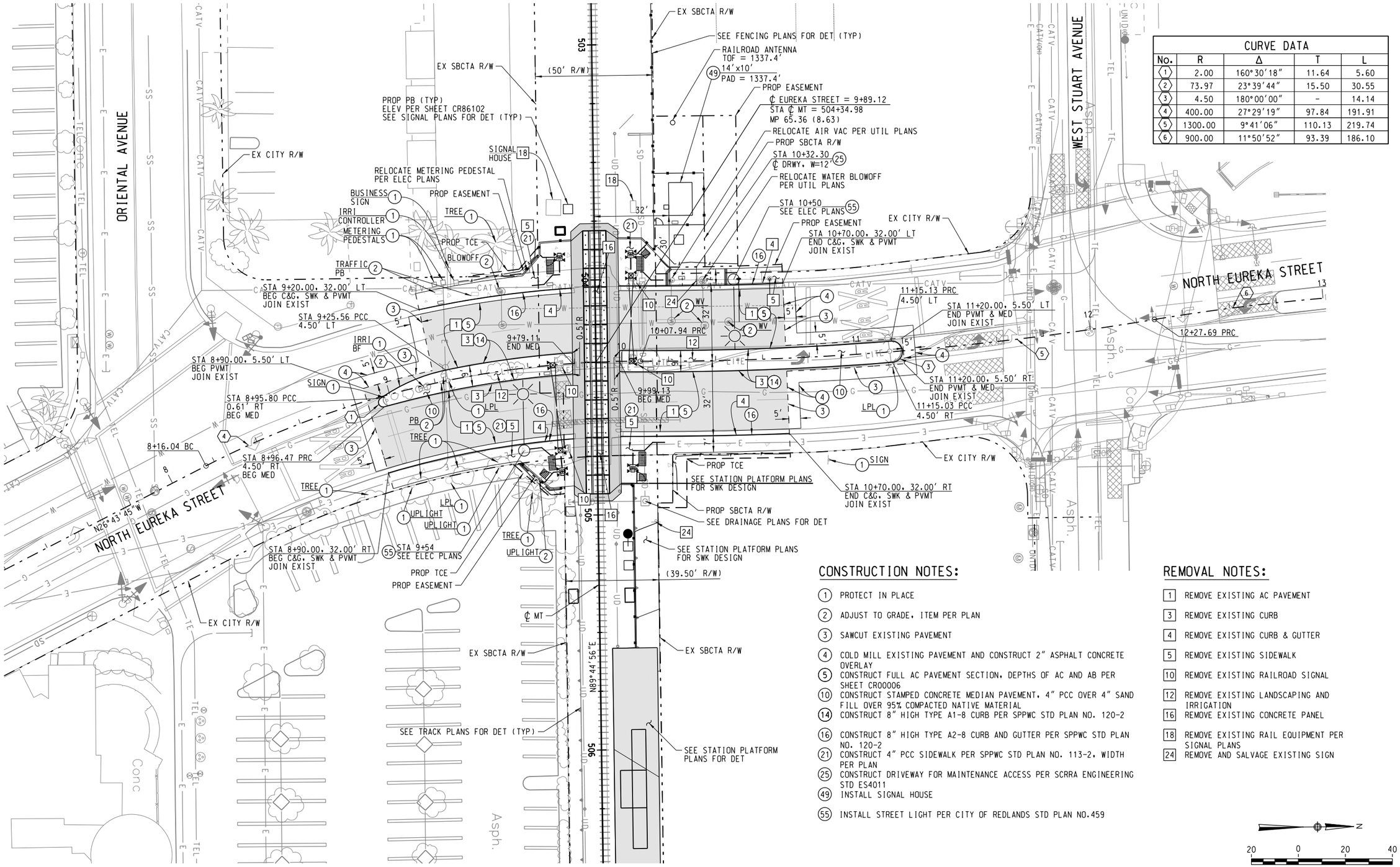
100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
TEXAS STEET - MP 65.07 (8.34)
SIGNING AND STRIPING (SHEET 2 OF 2)

CONTRACT NO. C15-1001093
DRAWING NO. CR83502
REVISION | SHEET NO.
SCALE HORIZ 1"=20'

12/7/2017 2:48 PM brandon schlueter
s:\projects\hdr\0398_redlands passenger rail design project\07_engineering\cadd\div\26495-06-cr83502.dwg
sb_sheet.ctb



CURVE DATA				
No.	R	Δ	T	L
1	2.00	160°30'18"	11.64	5.60
2	73.97	23°39'44"	15.50	30.55
3	4.50	180°00'00"	-	14.14
4	400.00	27°29'19"	97.84	191.91
5	1300.00	9°41'06"	110.13	219.74
6	900.00	11°50'52"	93.39	186.10

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST TO GRADE, ITEM PER PLAN
3. SAWCUT EXISTING PAVEMENT
4. COLD MILL EXISTING PAVEMENT AND CONSTRUCT 2" ASPHALT CONCRETE OVERLAY
5. CONSTRUCT FULL AC PAVEMENT SECTION, DEPTHS OF AC AND AB PER SHEET CR00006
10. CONSTRUCT STAMPED CONCRETE MEDIAN PAVEMENT, 4" PCC OVER 4" SAND FILL OVER 95% COMPACTED NATIVE MATERIAL
14. CONSTRUCT 8" HIGH TYPE A1-8 CURB PER SPPWC STD PLAN NO. 120-2
16. CONSTRUCT 8" HIGH TYPE A2-8 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2
21. CONSTRUCT 4" PCC SIDEWALK PER SPPWC STD PLAN NO. 113-2, WIDTH PER PLAN
25. CONSTRUCT DRIVEWAY FOR MAINTENANCE ACCESS PER SCRRA ENGINEERING STD ES4011
49. INSTALL SIGNAL HOUSE
55. INSTALL STREET LIGHT PER CITY OF REDLANDS STD PLAN NO.459

REMOVAL NOTES:

1. REMOVE EXISTING AC PAVEMENT
3. REMOVE EXISTING CURB
4. REMOVE EXISTING CURB & GUTTER
5. REMOVE EXISTING SIDEWALK
10. REMOVE EXISTING RAILROAD SIGNAL
12. REMOVE EXISTING LANDSCAPING AND IRRIGATION
16. REMOVE EXISTING CONCRETE PANEL
18. REMOVE EXISTING RAIL EQUIPMENT PER SIGNAL PLANS
24. REMOVE AND SALVAGE EXISTING SIGN

DOT 027240K, CPUC 101 SG-65.36

20 0 20 40
SCALE: 1"=20'

12/19/2017 9:13:54 AM OMAP-INPICS01\$
O:\OMAP-INPICS01\CS\for PDF\92313883953_78_26495-06-CR86101.DGN
O:\Working Files (x86)\Common Files\Inter\Plot\IPLOT\bin\iplotdrvm.plt
C:\Program Files (x86)\Common Files\Inter\Plot\IPLOT\bin\iplotdrvm.plt

REV.	DATE		BY SUB.	APP.

DESIGNED BY J. SONG
DRAWN BY W. STEBOK
CHECKED BY C. CHRISTOPLIS
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

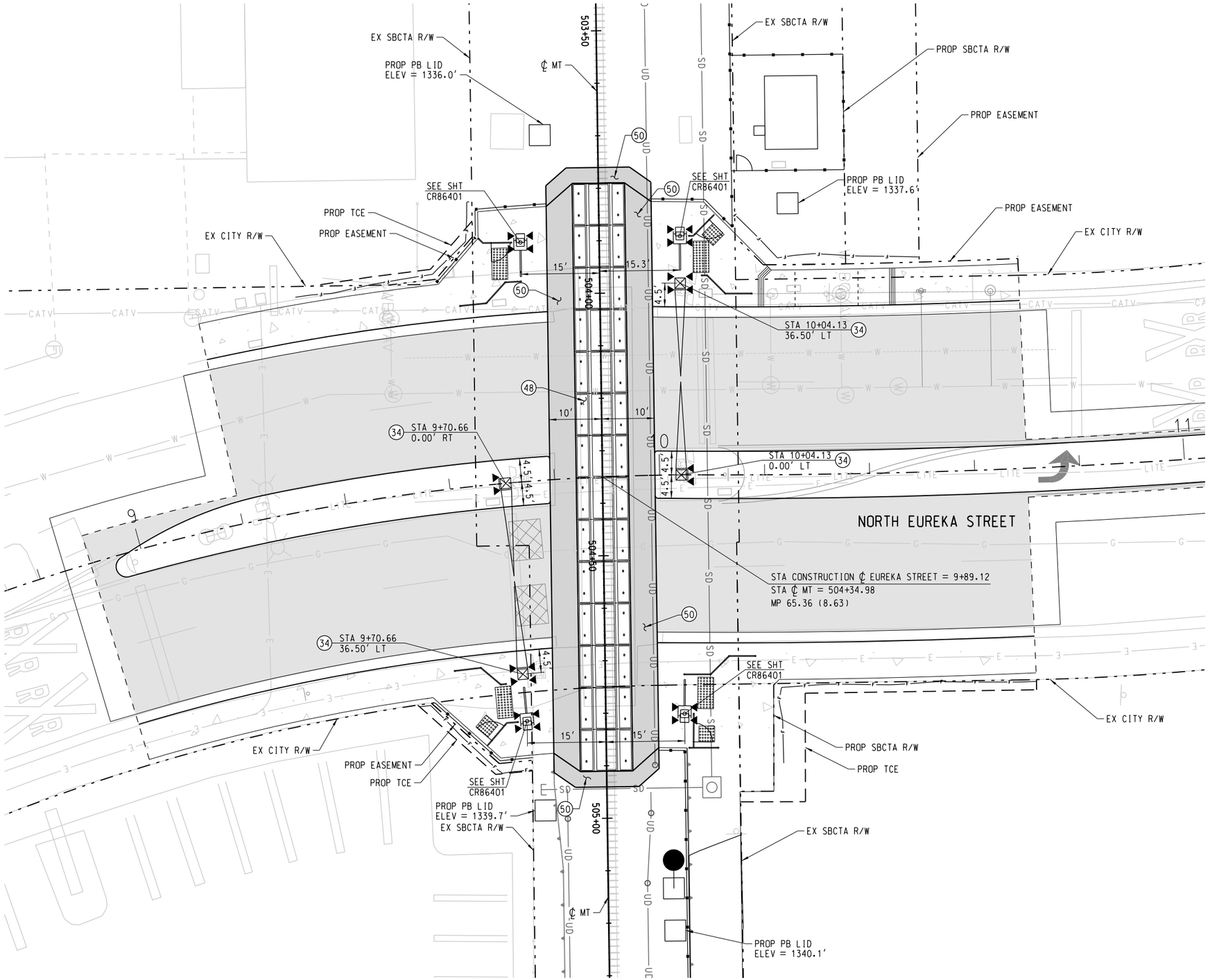
HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
NORTH EUREKA STREET – MP 65.36 (8.63)
LAYOUT

CONTRACT NO. 17-1001705
DRAWING NO. CR86101
REVISION | SHEET NO.
SCALE 1"=20'



CONSTRUCTION NOTES:

(34) INSTALL CPUC STD NO. 9 ACTIVE WARNING DEVICE PER SCRRA ENGINEERING STD ES8300

(48) INSTALL PRECAST CONCRETE PANELS PER SCRRA ENGINEERING STD ES4201, LAYOUT PER TRACK PLANS

(50) CONSTRUCT ASPHALT CONCRETE PAVEMENT AND RAMP PER SCRRA ENGINEERING STD ES4201

NOTE:

1. PEDESTRIAN FACILITIES AT VEHICLE CROSSINGS SHALL COMPLY WITH SCRRA ENGINEERING STANDARDS ES4011 AND ES4012, WHICHEVER IS APPLICABLE.

N

10 0 10 20

SCALE: 1"=10'

12/19/2017 9:14:09 AM
OMAP-INPICS02$
O:\OMAP-INPICS01\CS\for PDF\923\883953_791_26495-06-CR86102.DGN
User:wstebok
Dsn: 47DF6E7\SAMPLE-STRIPE-ALL.TBL
V:\Program Files (x86)\Common Files\InterPlot\IPLOT\bin\iplotdrvm.plt

REV.	DATE		BY SUB.	APP.

DESIGNED BY J. SONG
DRAWN BY W. STEBOK
CHECKED BY C. CHRISTOPLIS
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

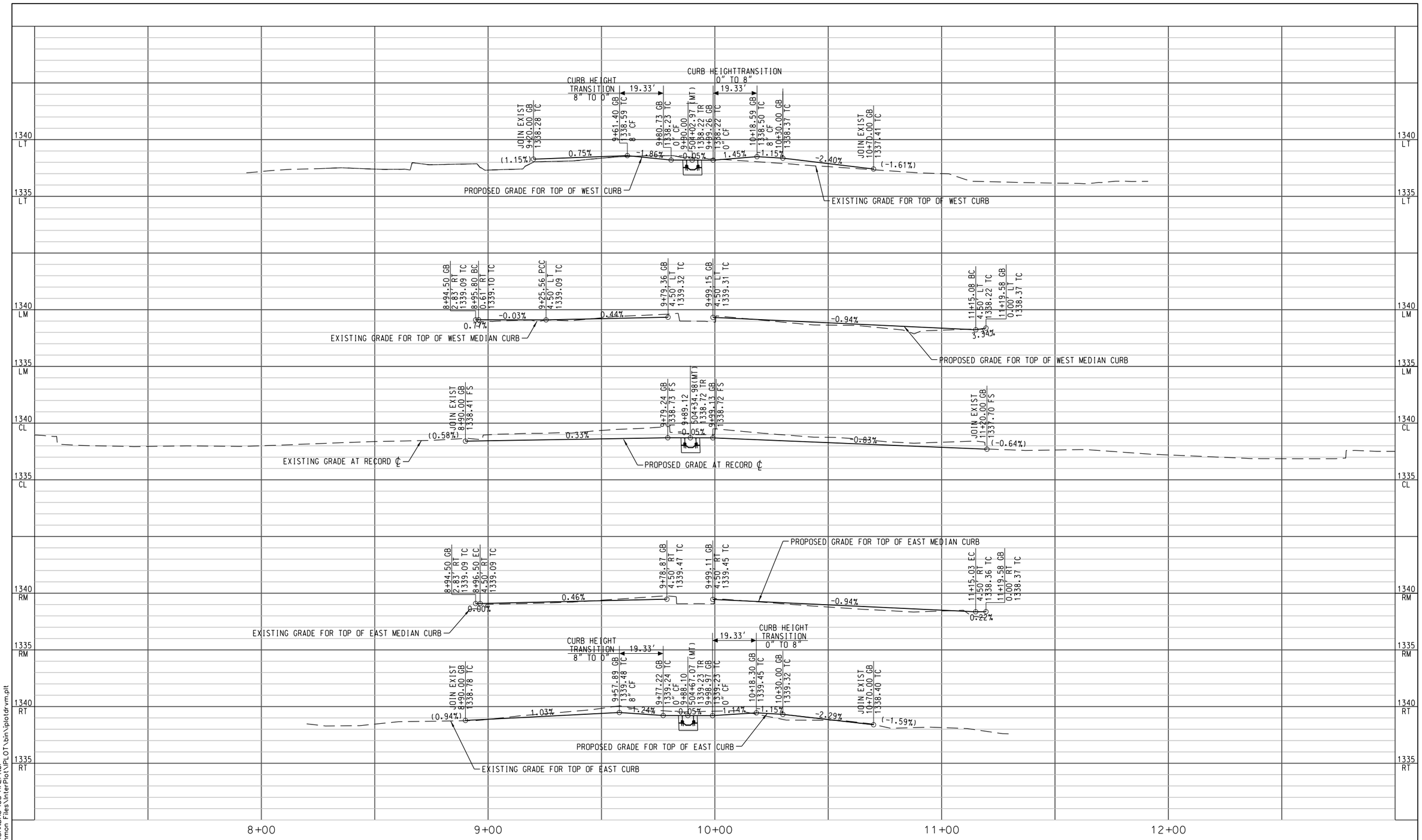
HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
NORTH EUREKA STREET – MP 65.36 (8.63)
GRADE CROSSING LAYOUT

CONTRACT NO. 17-1001705
DRAWING NO. CR86102
REVISION | SHEET NO.
SCALE 1"=10'



OMAP-INPICS01$

9:13:31 AM
12/19/2017
\\OMAP-INPICS01\CS1forPDF\923\883953_80\26495-06-CR86201.DGN
Workarea: c:\DOCUMENTS AND SETTINGS\JSONG\LOCAL SETTINGS\APPLICATION DATA\PROGRAM FILES (X86)\COMMON FILES\INTERPLOT\BIN\PLOTDR.VM.PLT

Redlands Regular Meeting of 09-20-2022

REV.	DATE		BY	SUB.	APP.

DESIGNED BY	J. SONG
DRAWN BY	W. STEBOK
CHECKED BY	C. CHRISTOPLIS
APPROVED BY	R. KLOVSKY
DATE	12-20-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
NORTH EUREKA STREET – MP 65.36 (8.63)
PROFILE

CONTRACT NO.	17-1001705
DRAWING NO.	CR86201
REVISION	SHEET NO.
SCALE	155 of 359
	HORIZ 1"=20'
	VERT 1"=4'

CONSTRUCTION NOTES:

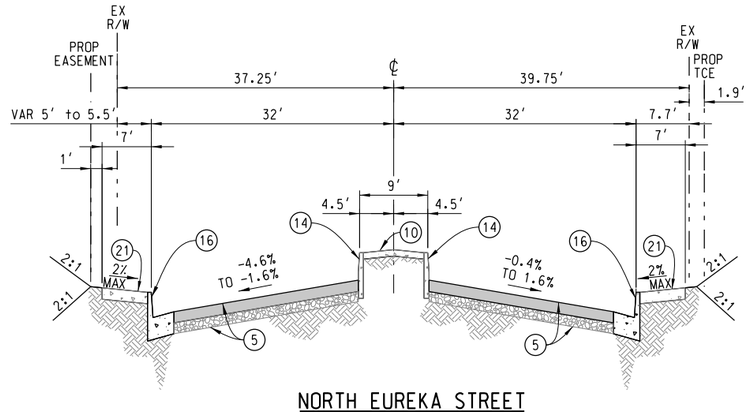
(5) CONSTRUCT FULL AC PAVEMENT SECTION, DEPTHS OF AC AND AB PER SHEET CR00006

(10) CONSTRUCT STAMPED CONCRETE MEDIAN PAVEMENT, 4" PCC OVER 4" SAND FILL OVER 95% COMPACTED NATIVE MATERIAL

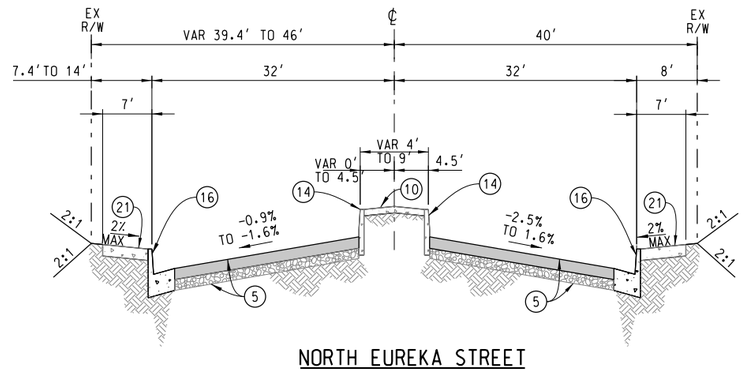
(14) CONSTRUCT 8" HIGH TYPE A1-8 CURB PER SPPWC STD PLAN NO. 120-2

(16) CONSTRUCT 8" HIGH TYPE A2-8 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2

(21) CONSTRUCT 4" PCC SIDEWALK PER SPPWC STD PLAN NO. 113-2, WIDTH PER PLAN



NORTH EUREKA STREET
NORTH OF CROSSING
NTS



NORTH EUREKA STREET
SOUTH OF CROSSING
NTS

12/19/2017 9:13:51 AM OMAP-INPICS02$
C:\OMAP-INPICS01\CS15rPDF\923\883953_81264995-06-CR86301.DGN
Workspace: c:\d15\ES13\SANBAG-CS-HALF.dgnlib
Program Files (x86)\Common Files\InterPlot\IPLOT\bin\plotdrvm.plt

REV.	DATE		BY	SUB.	APP.

Redlands Regular Meeting of 09-20-2022

DESIGNED BY	J. SONG
DRAWN BY	W. STEBOK
CHECKED BY	C. CHRISTOPLIS
APPROVED BY	R. KLOVSKY
DATE	12-20-2017

San Bernardino County Transportation Authority

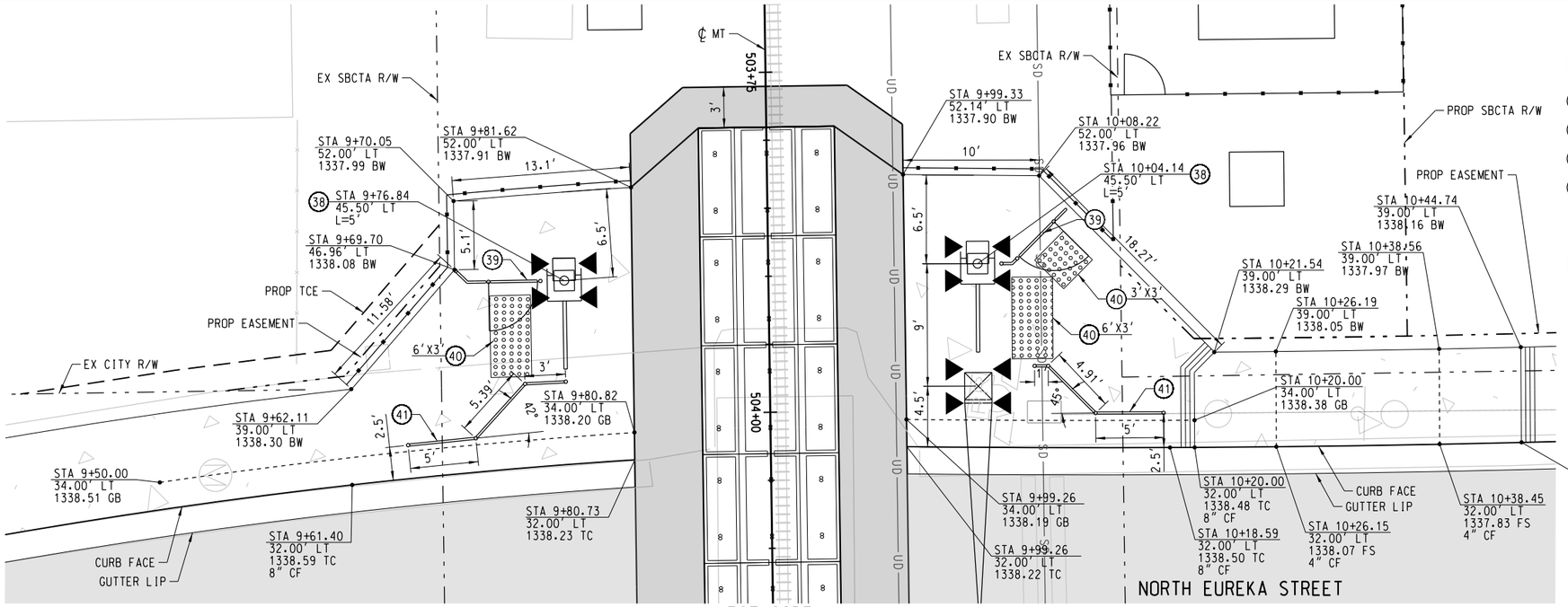
HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

100% SUBMITTAL
NOT FOR CONSTRUCTION

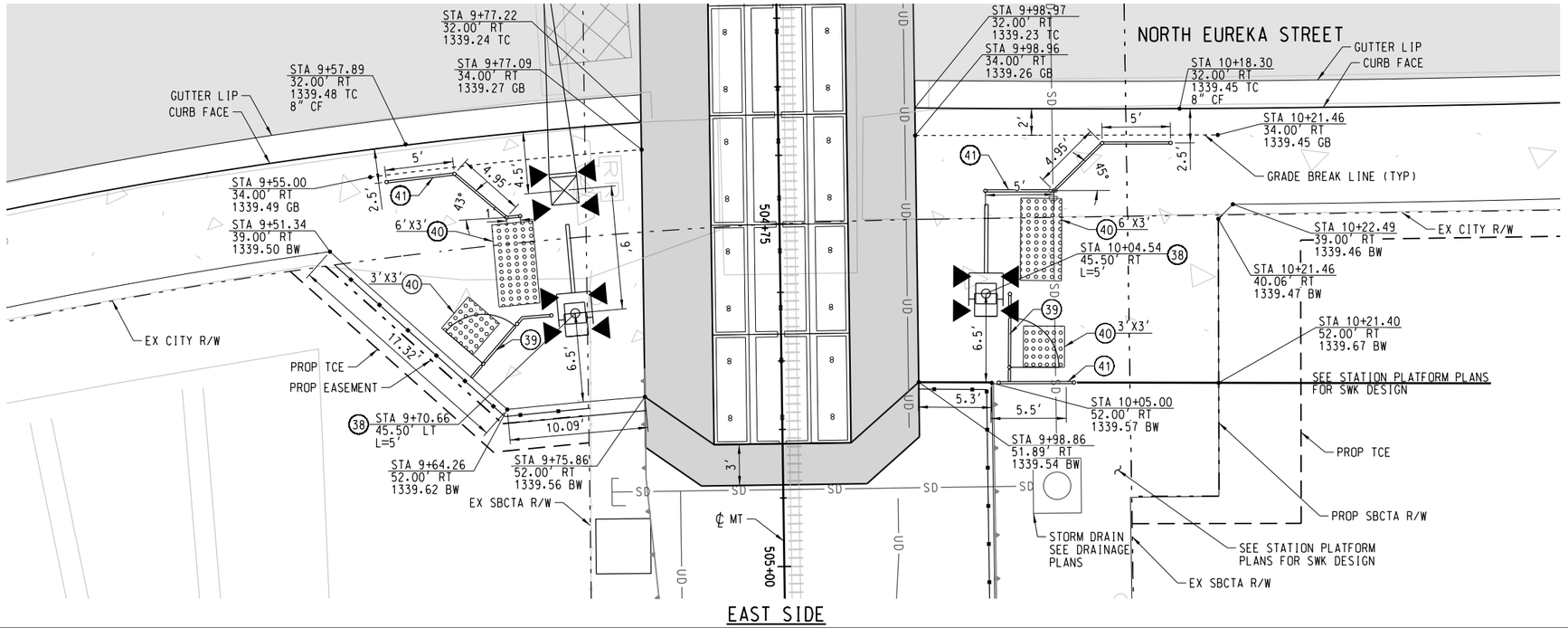
REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
NORTH EUREKA STREET – MP 65.36 (8.63)
TYPICAL SECTION & CONSTRUCTION DETAILS

CONTRACT NO.	17-1001705
DRAWING NO.	CR86301
REVISION	SHEET NO.
SCALE	1"=10'



WEST SIDE



EAST SIDE

CONSTRUCTION NOTES:

(38) INSTALL CPUC STD NO. 9 PEDESTRIAN AUTOMATIC WARNING DEVICE WITH GATE ARM PER SCRRA ENGINEERING STD ES8300, LENGTH PER PLAN
(39) INSTALL PEDESTRIAN SWING GATE PER SCRRA ENGINEERING STD ES4002, LAYOUT PER PLAN
(40) INSTALL ADA DETECTABLE WARNING SURFACE (RAISED TRUNCATED DOME), DIMENSIONS PER PLAN
(41) INSTALL METAL HAND RAILING PER SCRRA ENGINEERING STD ES4005

NOTES:

1. PEDESTRIAN FACILITIES AT VEHICLE CROSSINGS SHALL COMPLY WITH SCRRA ENGINEERING STANDARDS ES4011 AND ES4012, WHICHEVER IS APPLICABLE.
2. SEE ROADWAY LAYOUT SHEET FOR STATIONING.

N

5 0 5 10

SCALE: 1"=5'-0"

REV.	DATE	BY	SUB.	APP.

DESIGNED BY J. SONG
DRAWN BY W. STEBOK
CHECKED BY C. CHRISTOPLIS
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

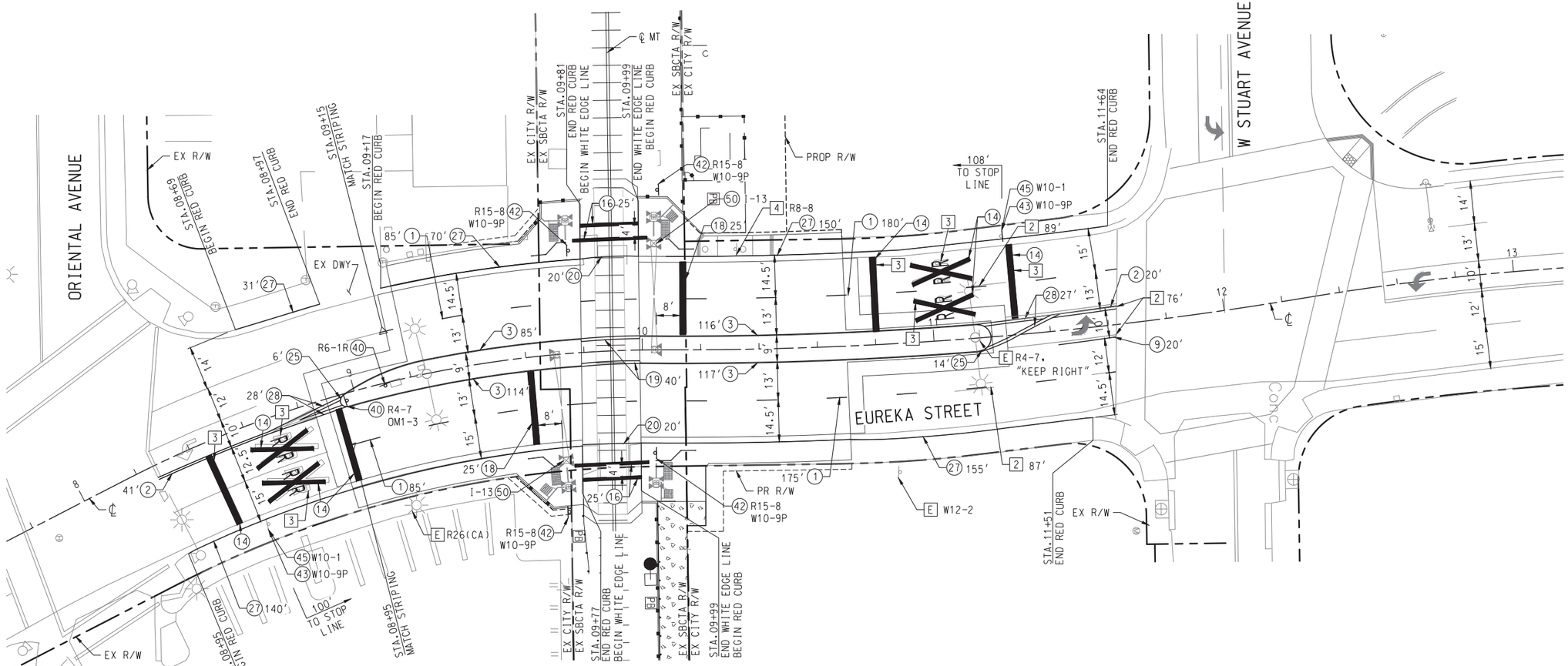
100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

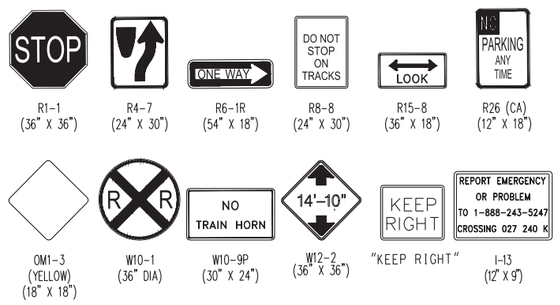
ROADWAY IMPROVEMENT
NORTH EUREKA STREET – MP 65.36 (8.63)
GRADE CROSSING DETAILS

CONTRACT NO. 17-1001705
DRAWING NO. CR86401
REVISION | SHEET NO.
SCALE 1"=5'

12/19/2017 9:14:15 AM OMAP-INPICS01$
K:\OMAP-INPICS01\VCS\ePDPL\923\883953_82\26495-06-CR86401.DGN
K:\Working Docs\PLANS\SANBAG\CS-HAT Bus\
K:\Program Files (x86)\Common Files\InterPlot\IPLOT\bin\iplotdrvm.plt
Redlands Regular Meeting of 09-20-2022



SIGNAGE REFERENCES:



CONSTRUCTION NOTES:

(1) APPLY 4" DASHED WHITE LINE PER CALTRANS 2015 STD PLAN A20A, DETAIL 9.
(2) APPLY 4" SOLID DOUBLE YELLOW LINES WITH RPMS PER CALTRANS 2015 STD PLAN A20A, DETAIL 22.
(3) APPLY 4" SOLID YELLOW EDGE LINE AROUND MEDIAN PER CALTRANS 2015 STD PLAN A20B, DETAIL 24.
(9) APPLY 8" WHITE CHANNELIZING LINE WITH REFLECTIVE AND RPMS PER CALTRANS 2015 STD PLAN A20D, DETAIL 38.
(14) APPLY THERMOPLASTIC RAILROAD CROSSING SYMBOL PAVEMENT MARKING PER CALTRANS 2015 STD PLAN A24B, AND CA MUTCD FIGURES 8B-6 AND 8B-7.
(16) APPLY 12" SOLID THERMOPLASTIC WHITE CROSSWALK LINE OR LIMIT LINE PER CALTRANS 2015 STD PLAN A24E.
(18) APPLY 24" WHITE THERMOPLASTIC STOP LINE PER CA MUTCD SECTION 8B.28.
(19) APPLY 4" DOUBLE YELLOW MEDIAN LINES WITH RPMS SPACED 4' OC PER METROLINK STD PLAN 4015.
(20) APPLY 4" WHITE EDGE LINE WITH RPMS SPACED 4' OC.
(25) PAINT MEDIAN NOSE YELLOW WITH TYPE "D" RPMS 2' OC.
(27) PAINT CURB RED.
(28) APPLY 4" DOUBLE YELLOW LINES WITH RPMS PER CALTRANS STD PLAN A20B, DETAIL 29.
(40) INSTALL SIGN AND POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE 3.5' ABOVE FINISH SURFACE.
(42) INSTALL SIGN AND POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE A MINIMUM 7' ABOVE FINISHED GRADE.
(43) INSTALL SIGN ON EXISTING SIGN POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE A MINIMUM OF 7' ABOVE FINISH SURFACE.
(45) REPLACE SIGN ON EXISTING SIGN POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE A MINIMUM OF 7' ABOVE FINISH SURFACE.
(50) INSTALL SIGN ON EXISTING GATE MECHANISM.

REMOVAL NOTES:

[2] REMOVE EXISTING STRIPING.
[3] REMOVE EXISTING PAVEMENT MARKING.
[4] REMOVE EXISTING SIGN AND POST.
[E] EXISTING TO REMAIN.

GENERAL NOTES:

EUREKA STREET POSTED SPEED LIMIT 35 MPH.

SEE CIVIL SHEETS FOR CURB, RAMP, MEDIAN AND SIDEWALK IMPROVEMENTS

N
20 0 20 40
SCALE: 1"=20'

REV.	DATE		BY	SUB.	APP.

DESIGNED BY B. SCHLUETTER
DRAWN BY B. SCHLUETTER
CHECKED BY N. MINICILLI
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

5865 AVENIDA ENCINAS, #142-B
CARLSBAD, CA 92008
PH: 760-602-4290
WWW.STCTRAFFIC.COM

APPROVED: _____

100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT
ROADWAY IMPROVEMENT
NORTH EUREKA STREET - MP 65.36 (8.63)
SIGNING AND STRIPING

CONTRACT NO. C15-1001093
DRAWING NO. CR86501
REVISION | SHEET NO.
SCALE HORIZ 1"=20'

12/20/2017 2:48 PM brandon schlueter
s:\projects\hdr\0398_redlands passenger rail design project\07_engineering\cadd\dlv\26495-06-cr86501.dwg
sonstelt.ctb

*CONDUCTOR SCHEDULE

AWG OR CABLE SIZE	POLE OR CIRCUIT		CONDUIT RUNS 1	2	3	4	5	6	7	8	9
5 CSC / 9 CSC	POLE A	ø3,ø6PPB						1	1	1	
	POLE B	ø4,ø3P,ø6PPB							1	1	
	POLE C	ø1,ø6P,ø6P,ø4PPB				1				1	
	POLE D	ø1,ø2,ø6P,ø6P ø4PPB			1	1				1	
	POLE E	ø2P,ø2PPB		1	1	1				1	
	POLE F	ø2PPB	1	1	1	1				1	
12 CSC	POLE G	ø2,ø4,ø5,ø2P	1 / 2	1 / 2	1 / 2	1 / 2				1	
	POLE H	ø2,ø5,ø6P					1 / 1	1 / 1	1 / 1		
TOTAL 3 CSC / 12 CSC CABLES			2 / 2	3 / 2	4 / 3	5 / 4	1 / 1	1 / 1	2 / 2	6 / 5	– / –
#6	SERVICE								2	2	2
#8	SIGNAL COMMON		1	1	1	1	1	1	1	2	
#10	SAFETY LIGHTING		2	2	2	2			2	2	
TYPE B DLC	ø1					1				1	
	ø2				4	4				4	
	ø3		1	1	1	1				1	
	ø4								2	2	
	ø5				1	1				1	
	ø6						5	5	5	5	
	TOTAL DLCs		1	1	6	7	5	5	7	14	–
4#20 CONDUCTOR DLC (ø6)							4●	4●	4●	4●	
RAILROAD INTERCONNECT 12PR#19										1●	
CONDUIT SIZE (INCHES)			3"	3"	4"	4"	3"	4"	4"	2-4"	3"
CONDUIT FILL (%)			22%	25%	23%	29%	25%	14%	25%	24%	2%

* ALL CONDUIT AND CONDUCTORS ARE EXISTING UNLESS NOTED:
(●) = NEW

NOTE: NEW AND EXISTING DLC'S SHALL BE REASSIGNED TO DETECTOR INPUTS AS SHOWN ON PLAN AND THE DETECTOR ASSIGNMENT TABLE.

CONSTRUCTION NOTES:

1A RS EXISTING NEMA TYPE "P" CABINET ON RAISED 18" P.C.C. FOUNDATION. RELOCATE THE FOLLOWING EQUIPMENT TO NEW PROPOSED CABINET.
- ITERIS VANTAGE EDGE 2 VIDEO DETECTION PROCESSOR
- VIDEO MONITORING SCREEN
- GTT 764 PHASE SELECTOR
- SAVARI STREET WAVE DSRC EQUIPMENT
- SAVARI STREET WAVE DEDICATED SHORT RANGE COMMUNICATIONS SYSTEM
- SIDE MOUNTED MYERS BATTERY BACKUP SYSTEM (BBS)

1B FURNISH AND INSTALL 350i ATC CABINET ON EXISTING FOUNDATION. CABINET SHALL HAVE TWO INPUT FILES, INTERNAL LED LIGHT, DOOR SWITCH, PULL-OUT DOCUMENT DRAWER, AND CITY SPECIFIED LOCKS. CABINET SHALL BE WIRED FOR RED MONITOR CAPABILITY. CABINET SHALL BE EQUIPPED WITH:
- NEW McCAIN MODEL FLEX ATC CONTROLLER WITH OMNI SOFTWARE
- NEW EDI CMUip-2212-HV CONFLICT MONITOR UNIT WITH AUXILIARY DISPLAY UNIT
- NEW McCAIN RAILROAD INTERFACE PANEL. TERMINATE RRIC.
- NEW DYMEC KY-3170EMX-10 PORT GIGABIT ETHERNET EXTENDER
- NEW SIERRA WIRELESS AIRLINK MG90 ROUTER

2 EXISTING TYPE-III-DF DUAL METER SERVICE ENCLOSURE. PROTECT IN PLACE. CONNECT EXISTING SERVICE TO NEW CABINET.

4 FURNISH AND INSTALL NEW #6 PULL BOX WITH TAMPER PROOF LID.

5 FURNISH AND INSTALL NEW #6E PULL BOX WITH TAMPER PROOF LID.

9 RS EXISTING VEHICLE HEAD. FURNISH AND INSTALL NEW 5-SECTION VEHICLE HEAD AND NECESSARY MOUNTING HARDWARE. SEE DETAIL "A".

10 RS EXISTING VEHICLE HEAD. FURNISH AND INSTALL NEW 5-SECTION VEHICLE HEAD AND NECESSARY MOUNTING HARDWARE. SEE DETAIL "B".

11 FURNISH AND INSTALL 5-SECTION VEHICLE HEAD ON PROPOSED POLE. SEE DETAIL "A".

12 FURNISH AND INSTALL NEW 6' DIAMETER TYPE E LOOP DETECTOR PER CALTRANS REVISED STD. PLAN RSP ES-5B.

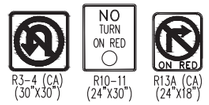
14 FURNISH AND INSTALL VITAL PREFORMED LOOP DETECTOR.

15 TERMINATE 12PR#19 RAILROAD INTERCONNECT CABLE.

CONDUIT NOTES:

RUN	CONDUIT AND CABLE DESCRIPTION	% FILL
10	NEW 3"C, 12PR#19 RRIC	3%
11	NEW 3"C, 12PR#19 RRIC	3%
12	EX 2"C, RC 12PR#19 TSIC, NEW 12PR#19 RRIC	8%
13	NEW 3"C, 2-4C DLC	3%
14	NEW 3"C, 4-4C DLC	7%
15	NEW 3"C, 2-DLC, 4-4C DLC	9%

SIGNAGE REFERNECES:



R3-4 (CA) (30"X30") | R10-11 (24"X30") | R13A (CA) (24"X18")

*POLE AND EQUIPMENT SCHEDULE

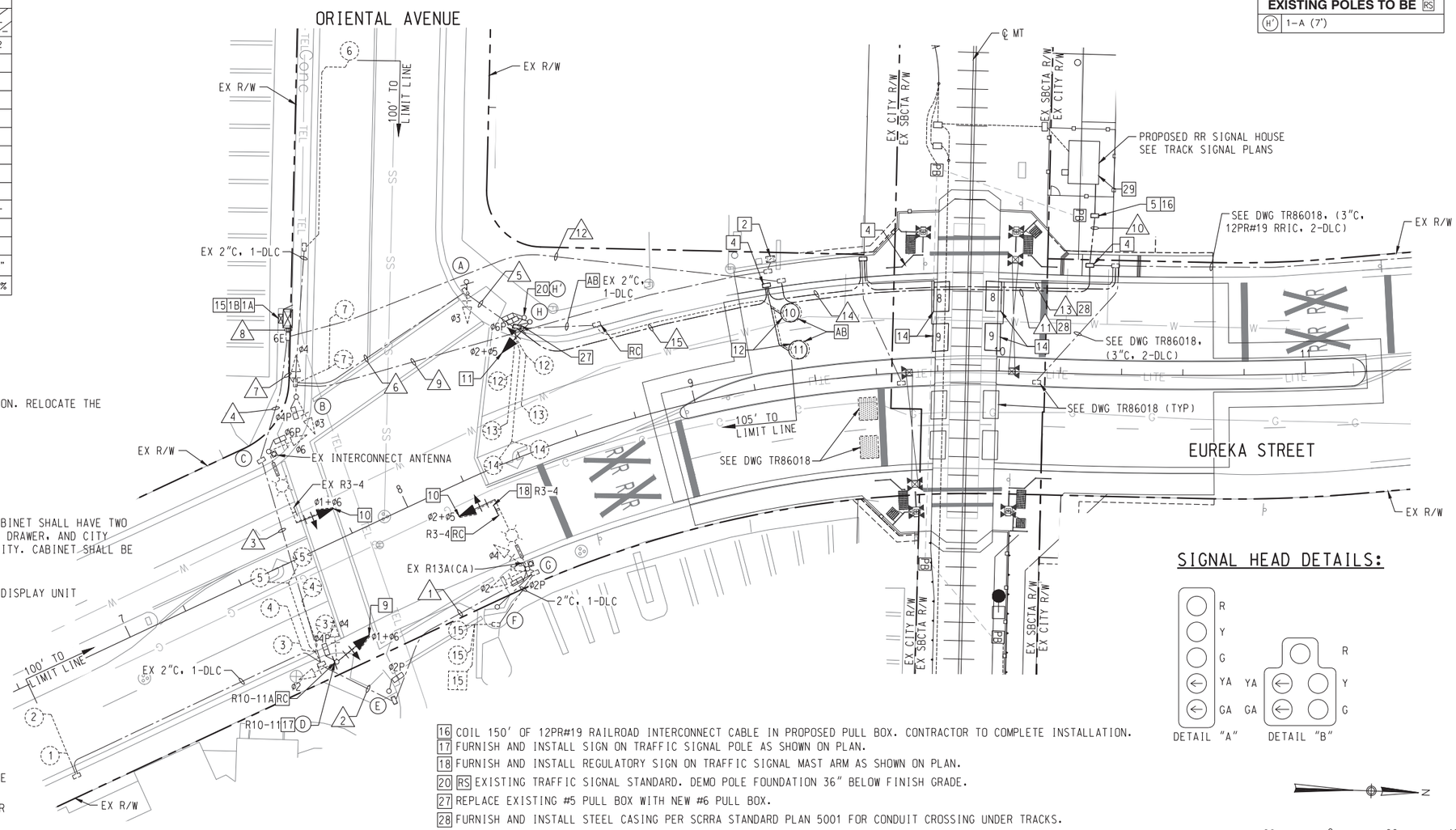
No.	STANDARD TYPE	HEIGHT	SIG. M.A.	LUM. M.A.	HPS LUMINAIRE	SIG MTG VEHICLE		PED	PPB PHASE	POLE LOCATION A	B	RSNS	REMARKS
A	1-A	10'	–	–	–	–	TV-1-T	–	ø6	EXISTING		Eureka St	–
B	1-A	10'	–	–	–	–	TV-2-T	+SP-1-T	ø6	EXISTING		–	–
C	19-3-70	30'	25'	12'	150W	1-MAS●	SV-1-T	+SP-1-T	ø4	EXISTING		Oriental Ave	–
D	1-A	10'	–	–	–	–	TV-3-TA●	+SP-1-T	ø4	EXISTING		Eureka St	–
E	1-A	7'	–	–	–	–	–	+ TP-1	ø2	EXISTING		–	–
F	PPB POST	4'	–	–	–	–	–	–	ø2	EXISTING		–	5' HIGH
G	19-3-70	30'	25'	12'	150W	1-MAS●	SV-2-A	+SP-1-T	–	EXISTING		Oriental Ave	–
H	1-A●	10'●	–	–	–	–	TV-1-T●	SP-1-T●	–	EXISTING		–	–

NOTE: CONSTRUCT POLE STANDARDS TO CALTRANS 2015 STANDARDS. CONTRACTOR SHALL SUBMIT MATERIAL CUT SHEETS PRIOR TO ORDERING OF MATERIAL. POTHOLE ALL POLE LOCATIONS PRIOR TO ORDERING POLES. PEDESTRIAN SIGNALS SHALL BE COUNTDOWN TYPE.
* ALL EQUIPMENT IS EXISTING UNLESS NOTED:
(●) = NEW
(+) = REPLACE PED MODULE ONLY, WITH COUNTDOWN TYPE.

N. EUREKA ST POSTED SPEED = 25 MPH
ORIENTAL AVE POSTED SPEED = 25 MPH

EXISTING POLES TO BE RS

H'	1-A (7')



SIGNAL HEAD DETAILS:

16 COIL 150' OF 12PR#19 RAILROAD INTERCONNECT CABLE IN PROPOSED PULL BOX. CONTRACTOR TO COMPLETE INSTALLATION.
17 FURNISH AND INSTALL SIGN ON TRAFFIC SIGNAL POLE AS SHOWN ON PLAN.
18 FURNISH AND INSTALL REGULATORY SIGN ON TRAFFIC SIGNAL MAST ARM AS SHOWN ON PLAN.
20 RS EXISTING TRAFFIC SIGNAL STANDARD. DEMO POLE FOUNDATION 36" BELOW FINISH GRADE.
27 REPLACE EXISTING #5 PULL BOX WITH NEW #6 PULL BOX.
28 FURNISH AND INSTALL STEEL CASING PER SCRRA STANDARD PLAN 5001 FOR CONDUIT CROSSING UNDER TRACKS.
29 CONTRACTOR TO COORDINATE WITH RAIL SIGNALING CONTRACTOR FOR INSTALLATION, TERMINATION, AND ACTIVATION OF RAILROAD INTERCONNECT CABLE.

N

SCALE: 1"=20'

REV.	DATE		BY	SUB.	APP.

DESIGNED BY B. HANSEN
DRAWN BY B. HANSEN
CHECKED BY N. MINICILLI
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

STC TRAFFIC
5865 AVENIDA ENCINAS, #142-B
CARLSBAD, CA 92008
PH: 760-602-4290
WWW.STCTRAFFIC.COM

APPROVED: _____

100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

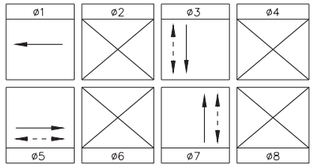
TRAFFIC SIGNAL PLAN
NORTH EUREKA STREET AND ORIENTAL AVENUE
(SHEET 1 OF 2)

CONTRACT NO. C15-1001093
DRAWING NO. TR86016
REVISION | SHEET NO.
SCALE HORIZ 1"=20'

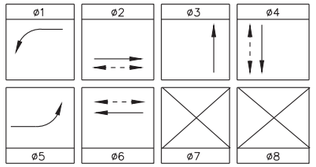
12/1/2017 2:48 PM brandon schlueter
s:\projects\hdr\0398_redlands passenger rail design project\07_engineering\cadd\div26495-14-tr86016.dwg
sorm_sprp_test.ctb

DETECTOR ASSIGNMENT			
DETECTOR	PHASE	CHANNEL	FIELD TERMINAL
1	2	3	TB1 – 6&7
2	2	4	TB1 – 9&10
3	2	5	TB1 – 11&12
4	2	6	TB1 – 14&15
5	5	25	TB5 – 1&2
6	4	11	TB2 – 9&10
7	4	12	TB2 – 11&12
8	6 CAVDS	31	TB6 – 1&2
9	6 CAVDS	32	TB6 – 4&5
10	6	29	TB5 – 11&12
11	6	30	TB5 – 14&15
12	6	27	TB5 – 6&7
13	6	28	TB5 – 9&10
14	1	1	TB1 – 1&2
15	3	9	TB2 – 6&7
PPB	2	21	TB4 – 6&7
PPB	4	22	TB4 – 9&10
PPB	6	23	TB4 – 11&12

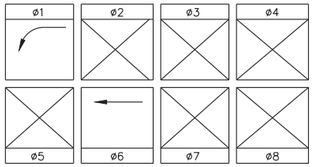
EXISTING PHASE DIAGRAM



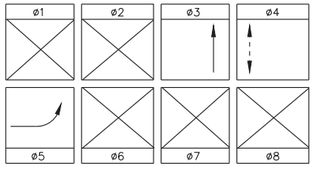
PROPOSED PHASE DIAGRAM



RAILROAD PREEMPTION TRACK CLEAR

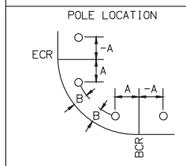


RAILROAD PREEMPTION LIMITED SERVICE



TCR = 51 SECONDS, ADV = 75 SECONDS

POLE LOCATION DETAIL



EXACT LOCATION BY ENGINEER IN THE FIELD

RAILROAD INTERCONNECT CIRCUITS:

TCR = ADVANCE PREEMPTION - TRANSFER ROW TO TRACK CLEARANCE GREEN INTERVAL

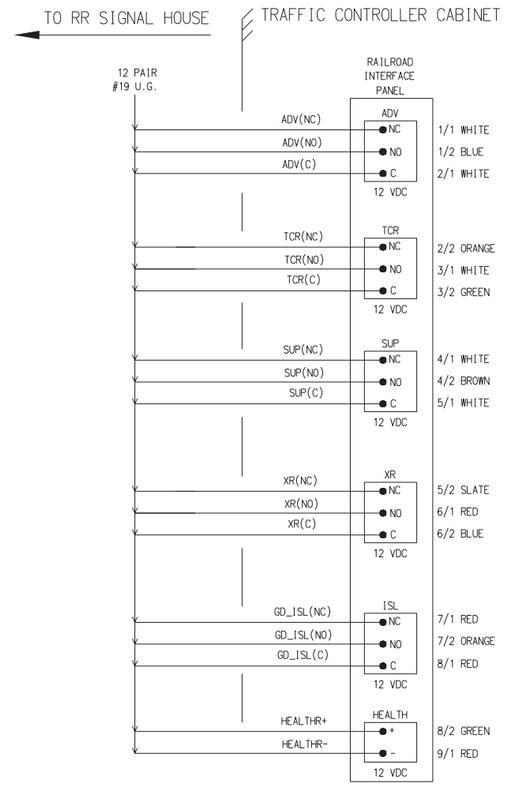
SUP = SUPERVISION - CHECKS THE INTEGRITY OF THE TCR CIRCUIT.

XR = CROSSING ACTIVE - INDICATES GRADE CROSSING WARNING SYSTEM IS ACTIVE.

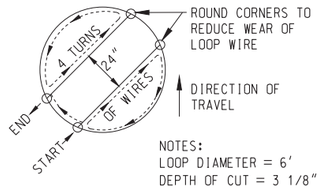
GD/ISL = GATE DOWN/ISLAND - EXTEND TRACK CLEARANCE GREEN INTERVAL UNTIL GD/ISL INPUT IS RECEIVED AND CROSSING AREA VEHICLE DETECTION IS NOT OCCUPIED.

HEALTH = INDICATES TO RAILROAD TRAFFIC SIGNAL IS IN HARDWARE FLASH OR THERE'S A POWER OUTAGE.

RAILROAD INTERCONNECT CIRCUIT DIAGRAM



DETAIL E



NOTES:
LOOP DIAMETER = 6'
DEPTH OF CUT = 3 1/8"

MODIFIED TYPE E FRONT DETECTOR FOR BICYCLES AND VEHICLES
N.T.S.

COLOR CODE CHART		
PAIR NO.	MAJOR COLOR (WIRE #1)	MINOR COLOR (WIRE #2)
#1	WHITE	BLUE
#2	WHITE	ORANGE
#3	WHITE	GREEN
#4	WHITE	BROWN
#5	WHITE	SLATE
#6	RED	BLUE
#7	RED	ORANGE
#8	RED	GREEN
#9	RED	BROWN
#10	RED	SLATE
#11	BLACK	BLUE
#12	BLACK	ORANGE

PAIR NO. 1/1 WIRE NO.

REV.	DATE		BY	SUB.	APP.

DESIGNED BY B. HANSEN
DRAWN BY B. HANSEN
CHECKED BY N. MINICILLI
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

STC TRAFFIC
5865 AVENIDA ENCINAS, #142-B
CARLSBAD, CA 92008
PH: 760-602-4290
WWW.STCTRAFFIC.COM

APPROVED: _____

100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

TRAFFIC SIGNAL PLAN
NORTH EUREKA STREET AND ORIENTAL AVENUE
(SHEET 2 OF 2)

CONTRACT NO. C15-1001093
DRAWING NO. TR86017
REVISION | SHEET NO.
SCALE NTS

12/7/2017 2:48 PM brandon schlueter
s:\projects\hdr\0398_redlands passenger rail design project\07_engineering\cadd\div26495-14-tr86017.dwg
sdsla_cpt1-test.ctb

*CONDUCTOR SCHEDULE

AWG OR CABLE SIZE	POLE OR CIRCUIT		CONDUIT RUNS 1	2	3	4	5	6	7	8	9
3 CSC	POLE A	ø1,ø6P,ø6P	– / 1	– / 1		– / 1				– / 1	– / 1
	POLE B	ø4PPB,ø6PPB		2 / –		2 / –				2 / –	2 / –
	POLE C	ø8,ø4P		– / 1		– / 1				– / 1	– / 1
	POLE D	ø8,ø8P,ø6PPB				1 / 1				1 / 1	1 / 1
	POLE E	ø5,ø6,ø6P,ø4PPB			1 / 1	1 / 1				1 / 1	1 / 1
	POLE F	ø2,ø5,ø2P,ø4PPB								1 / 1	1 / 1
	POLE G	ø4,ø8P,ø2PPB							1 / 1	1 / 1	1 / 1
	POLE H	ø4,ø4P,ø2PPB						1 / 1	1 / 1	1 / 1	1 / 1
12 CSC	POLE I	ø1,ø2,ø2P,ø4PPB					1 / 1	1 / 1	1 / 1	1 / 1	1 / 1
	POLE J	ø2PPB						1 / –	1 / –	1 / –	1 / –
TOTAL 3 CSC / 12 CSC CABLES			– / 1	2 / 2	1 / 1	4 / 4	1 / 1	3 / 2	4 / 3	9 / 8	9 / 8
#10	SAFETY LIGHTING		2	2	2	2		2	2	4	
#8	SIGNAL COMMON		1	1	1	1	1	1	1	2	2
4#20 CONDUCTOR DLC (ø2)			2●	2●		2●				2●	2●
VIDEO COAXIAL CABLE			1	1		2		1	1	4	4
VIDEO POWER CABLE			1	1		2		1	1	4	4
OPTICOM CABLE			1	1		2		1	1	4	4
COAXIAL (INTERCONNECT)			1	1		1				1	1
RAILROAD INTERCONNECT			1	1		1				1	1
CONDUIT SIZE (INCHES)			3"	4"	3"	4"	3"	3"	4"	2-4"	2-4"
CONDUIT FILL (%)			25%	17%	10%	23%	9%	21%	17%	25%	25%

*ALL CONDUIT AND CONDUCTORS ARE EXISTING UNLESS NOTED:
(●) = NEW

NOTE: NEW AND EXISTING DLC'S SHALL BE REASSIGNED TO DETECTOR INPUTS AS SHOWN ON PLAN AND THE DETECTOR ASSIGNMENT TABLE.

CONDUIT NOTES:

RUN	CONDUIT AND CABLE DESCRIPTION	% FILL
10	NEW 3"C, 2-4#20C DLC	3%
11	NEW 3"C, 2-4#20C DLC	3%
12	NEW 3"C, 2-4#20C DLC	3%
13	NEW 3"C, 12PR#19 RRIC, 2-4#20C DLC	7%
14	EX 2"C , ADD 12PR#19 RRIC, 4-4#20C DLC	23%
15	EX 3"C, 12PR#19 RRIC, ADD 12PR#19 RRIC	8%

SIGNAGE REFERENCES:


R3-4 (CA) (30"X30")


R9-3 (18"X18")



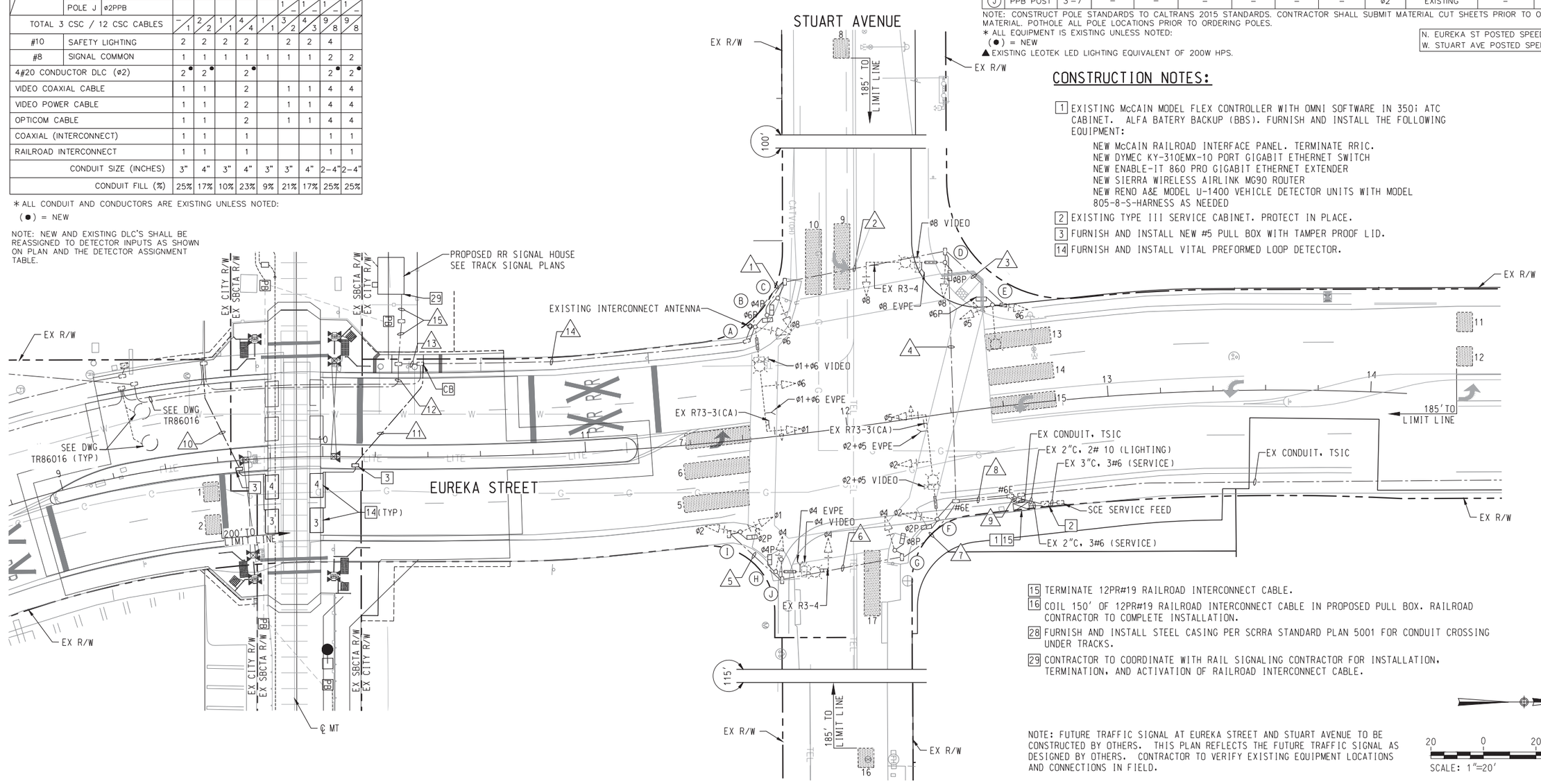
R73-3 (CA) (36"X36")

*POLE AND EQUIPMENT SCHEDULE

No.	STANDARD TYPE	HEIGHT	SIG. M.A.	LUM. M.A.	LED LUMINAIRE	SIG MTG VEHICLE	PED	PPB PHASE	POLE LOCATION A	B	RSNS	REMARKS
(A)	26A-4-100	35'	40'	15'	▲	2-MAS	SV-1-T	SP-1-T	–	EXISTING	Stuart Ave	–
(B)	PPB POST	3'-7"	–	–	–	–	–	–	ø4 / ø6	EXISTING	–	–
(C)	1-A	10'	–	–	–	–	TV-1-T	SP-1-T		EXISTING	–	–
(D)	19A-4-100	35'	30'	15'	▲	1-MAS	SV-1-T	SP-1-T	ø6	EXISTING	Eureka St	–
(E)	15TS	30'	–	15'	▲	–	SV-2-TA	SP-1-T	ø8	EXISTING	–	–
(F)	24A-4-100	35'	35'	15'	▲	2-MAS	SV-1-T	SP-1-T	ø8	EXISTING	Stuart Ave	–
(G)	I-A	10'	–	–	–	–	TV-1-T	SP-1-T	ø2	EXISTING	–	–
(H)	19A-4-100	35'	25'	15'	▲	1-MAS	SV-1-T	SP-1-T	–	EXISTING	Eureka St	–
(I)	1-A	10'	–	–	–	–	TV-2-T	SP-1-T	ø4	EXISTING	–	–
(J)	PPB POST	3'-7"	–	–	–	–	–	–	ø2	EXISTING	–	–

NOTE: CONSTRUCT POLE STANDARDS TO CALTRANS 2015 STANDARDS. CONTRACTOR SHALL SUBMIT MATERIAL CUT SHEETS PRIOR TO ORDERING OF MATERIAL. POTHOLE ALL POLE LOCATIONS PRIOR TO ORDERING POLES.
* ALL EQUIPMENT IS EXISTING UNLESS NOTED:
(●) = NEW
▲EXISTING LEOTEK LED LIGHTING EQUIVALENT OF 200W HPS.

N. EUREKA ST POSTED SPEED = 35 MPH
W. STUART AVE POSTED SPEED = 35 MPH



CONSTRUCTION NOTES:

1 EXISTING McCAIN MODEL FLEX CONTROLLER WITH OMNI SOFTWARE IN 350i ATC CABINET. ALFA BATERY BACKUP (BBS). FURNISH AND INSTALL THE FOLLOWING EQUIPMENT:
NEW McCAIN RAILROAD INTERFACE PANEL. TERMINATE RRIC.
NEW DYMEC KY-310EMX-10 PORT GIGABIT ETHERNET SWITCH
NEW ENABLE-IT 860 PRO GIGABIT ETHERNET EXTENDER
NEW SIERRA WIRELESS AIRLINK MG90 ROUTER
NEW RENO A&E MODEL U-1400 VEHICLE DETECTOR UNITS WITH MODEL 805-8-S-HARNESS AS NEEDED

2 EXISTING TYPE III SERVICE CABINET. PROTECT IN PLACE.

3 FURNISH AND INSTALL NEW #5 PULL BOX WITH TAMPER PROOF LID.

14 FURNISH AND INSTALL VITAL PREFORMED LOOP DETECTOR.

15 TERMINATE 12PR#19 RAILROAD INTERCONNECT CABLE.

16 COIL 150' OF 12PR#19 RAILROAD INTERCONNECT CABLE IN PROPOSED PULL BOX. RAILROAD CONTRACTOR TO COMPLETE INSTALLATION.

28 FURNISH AND INSTALL STEEL CASING PER SCRRA STANDARD PLAN 5001 FOR CONDUIT CROSSING UNDER TRACKS.

29 CONTRACTOR TO COORDINATE WITH RAIL SIGNALING CONTRACTOR FOR INSTALLATION, TERMINATION, AND ACTIVATION OF RAILROAD INTERCONNECT CABLE.

NOTE: FUTURE TRAFFIC SIGNAL AT EUREKA STREET AND STUART AVENUE TO BE CONSTRUCTED BY OTHERS. THIS PLAN REFLECTS THE FUTURE TRAFFIC SIGNAL AS DESIGNED BY OTHERS. CONTRACTOR TO VERIFY EXISTING EQUIPMENT LOCATIONS AND CONNECTIONS IN FIELD.

N

20 0 20 40
SCALE: 1"=20'

REV.	DATE		BY SUB.	APP.

DESIGNED BY B. HANSEN
DRAWN BY B. HANSEN
CHECKED BY N. MINICILLI
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

5865 AVENIDA ENCINAS, #142-B
CARLSBAD, CA 92008
PH: 760-602-4290
WWW.STCTRAFFIC.COM

APPROVED: _____

100% SUBMITTAL
NOT FOR CONSTRUCTION

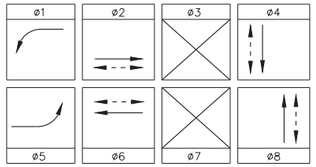
REDLANDS PASSENGER RAIL PROJECT
TRAFFIC SIGNAL PLAN NORTH EUREKA STREET AND STUART AVENUE (SHEET 1 OF 2)

CONTRACT NO. C15-1001093
DRAWING NO. TR86018
REVISION | SHEET NO.
SCALE HORIZ 1"=20'

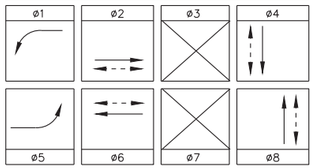
12/20/2017 2:48 PM brandon schlueter
s:\projects\hdr\0398_redlands passenger rail design project\07_engineering\cadd\div26495-14-tr86018.dwg
sdm_pnp_test.ctb

DETECTOR ASSIGNMENT			
DETECTOR	PHASE	CHANNEL	FIELD TERMINAL
1	2	3	TB1 – 6&7
2	2	4	TB1 – 9&10
3	2 CAVDS	7	TB2 – 1&2
4	2 CAVDS	8	TB2 – 4&5
5	2	5	TB1 – 11&12
6	2	6	TB1 – 14&15
7	5	25	TB5 – 1&2
8	4	11	TB2 – 11&12
9	4	12	TB2 – 14&15
10	4	13	TB3 – 1&2
11	6	27	TB5 – 6&7
12	6	28	TB5 – 9&10
13	6	29	TB5 – 11&12
14	6	30	TB5 – 14&15
15	1	1	TB1 – 1&2
16	8	33	TB6 – 6&7
17	8	34	TB6 – 9&10
PPB	2	21	TB4 – 6&7
PPB	4	22	TB4 – 9&10
PPB	6	23	TB4 – 11&12
PPB	8	24	TB4 – 14&15
EVPE	2&5	43	TB8 – 1&2&3
EVPE	4	44	TB8 – 4&5&8
EVPE	1&6	45	TB8 – 6&7&3
EVPE	8	46	TB8 – 9&10&8

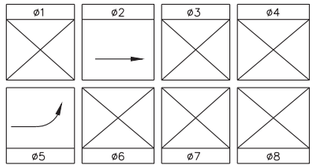
EXISTING PHASE DIAGRAM



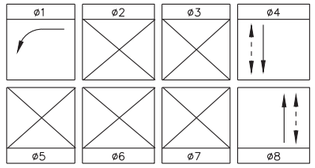
PROPOSED PHASE DIAGRAM



RAILROAD PREEMPTION TRACK CLEAR

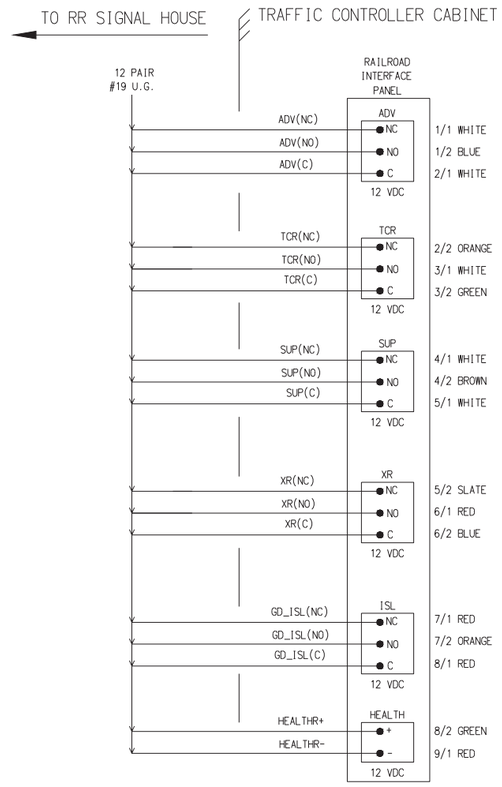


RAILROAD PREEMPTION LIMITED SERVICE



TCR = 51 SECONDS, ADV = 75 SECONDS

RAILROAD INTERCONNECT CIRCUIT DIAGRAM



RAILROAD INTERCONNECT CIRCUITS:

ADV = ADVANCE INPUT - CONTINUE SERVICE TO VEHICLES AND PEDESTRIANS. HOLD PEDESTRIAN CALLS UNTIL LIMITED SERVICE INTERVAL.

TCR = ADVANCE PREEMPTION - TRANSFER ROW TO TRACK CLEARANCE GREEN INTERVAL

SUP = SUPERVISION - CHECKS THE INTEGRITY OF THE TCR CIRCUIT.

XR = CROSSING ACTIVE - INDICATES GRADE CROSSING WARNING SYSTEM IS ACTIVE.

GD/ISL = GATE DOWN/ISLAND - EXTEND TRACK CLEARANCE GREEN INTERVAL UNTIL GD/ISL INPUT IS RECEIVED AND CROSSING AREA VEHICLE DETECTION IS NOT OCCUPIED.

HEALTH = INDICATES TO RAILROAD TRAFFIC SIGNAL IS IN HARDWARE FLASH OR THERE'S A POWER OUTAGE.

COLOR CODE CHART		
PAIR NO.	MAJOR COLOR (WIRE #1)	MINOR COLOR (WIRE #2)
#1	WHITE	BLUE
#2	WHITE	ORANGE
#3	WHITE	GREEN
#4	WHITE	BROWN
#5	WHITE	SLATE
#6	RED	BLUE
#7	RED	ORANGE
#8	RED	GREEN
#9	RED	BROWN
#10	RED	SLATE
#11	BLACK	BLUE
#12	BLACK	ORANGE

PAIR NO. 1/1 WIRE NO.

REV.	DATE		BY SUB.	APP.

DESIGNED BY B. HANSEN
DRAWN BY B. HANSEN
CHECKED BY N. MINICILLI
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

STC TRAFFIC
5865 AVENIDA ENCINAS, #142-B
CARLSBAD, CA 92008
PH: 760-602-4290
WWW.STCTRAFFIC.COM

APPROVED: _____

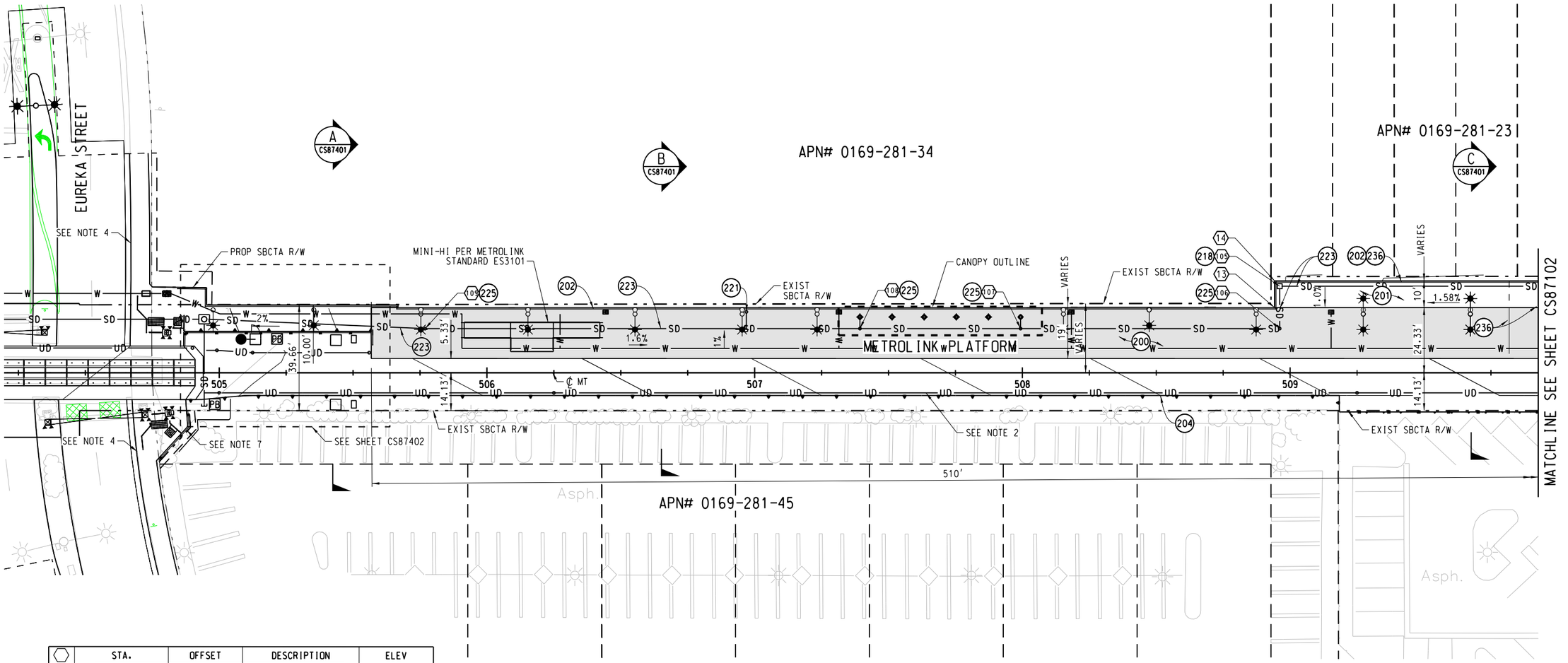
100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

TRAFFIC SIGNAL PLAN
NORTH EUREKA STREET AND STUART AVENUE
(SHEET 2 OF 2)

CONTRACT NO. C15-1001093
DRAWING NO. TR86019
REVISION | SHEET NO.
SCALE NTS

12/7/2017 2:48 PM brandon schlueter
s:\projects\hdr\0398_redlands passenger rail design project\07_engineering\cadd\div\26495-14-tr86019.dwg
sb_cpfp-rev1.ctb



	STA.	OFFSET	DESCRIPTION	ELEV
13	508+94.19	24.33 LT	WALKWAY	1346.84 FS
14	508+94.19	34.33 LT	WALKWAY/PLATFORM	1346.94 FS
105	508+96.11	32.33 LT	CLEANOUT	1342.30 INV
106	508+96.11	16.50 LT	CLEANOUT	1339.70 INV
107	507+99.32	16.50 LT	CLEANOUT	1338.70 INV
108	507+39.32	16.50 LT	CLEANOUT	1338.00 INV
109	505+76.90	16.50 LT	STORMDRAIN	1336.30 INV

LEGEND

PLATFORM

CONCRETE WALKWAY

SHEET OUTLINE

CONSTRUCTION NOTES:

200 PLATFORM - SEE STRUCTURAL PLANS

1 201 CONST. 7" PCC WALKWAY PER SPPWC STD PLAN 112-2, 113-2, AND DETAIL A ON CR00006

202 HANDRAILS - SEE ARCHITECTURAL PLANS

204 RETAINING WALL - SEE STRUCTURAL PLANS

218 INSTALL BROOKS PRODUCTS 1212 T18 CATCH BASIN W/ HEEL PROOF STEEL GRATE OR APPROVED EQUAL

221 CONST. 4" PLASTIC PIPE

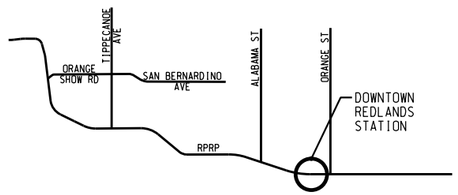
223 CONST. 8" PLASTIC STORM DRAIN

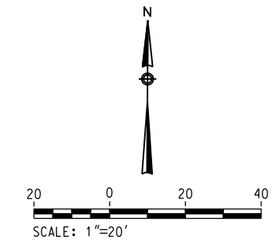
225 CONST. CLEANOUT SEE DETAIL 1 SHEET CS00101

236 CONST. MODIFIED CURB, SEE DETAIL 4 SHEET CS00101

GENERAL NOTES:

1. PLATFORM A INTENDED FOR USE BY METROLINK
2. FOR OFFSITE & TRACK STORM DRAIN IMPROVEMENTS SEE TRACK GRADING AND DRAINAGE PLANS
3. FOR SIGNAL IMPROVEMENTS SEE SIGNALS PLANS
4. FOR ROADWAYS SEE CIVIL PLANS
5. FOR ELECTRICAL IMPROVEMENTS SEE ELECTRICAL PLANS
6. FOR WATER SERVICE IMPROVEMENTS SEE STATION WATER SERVICE PLANS
7. FOR FENCING IMPROVEMENTS SEE FENCING PLANS
8. FOR CONTROL JOINT AND EXPANSION JOINT SPACING SEE STRUCTURAL PLANS





REV.	DATE		BY	APP.
			TJ	SG

DESIGNED BY L. HERNANDEZ
DRAWN BY J.K. ANDRES
CHECKED BY A. SHAH
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

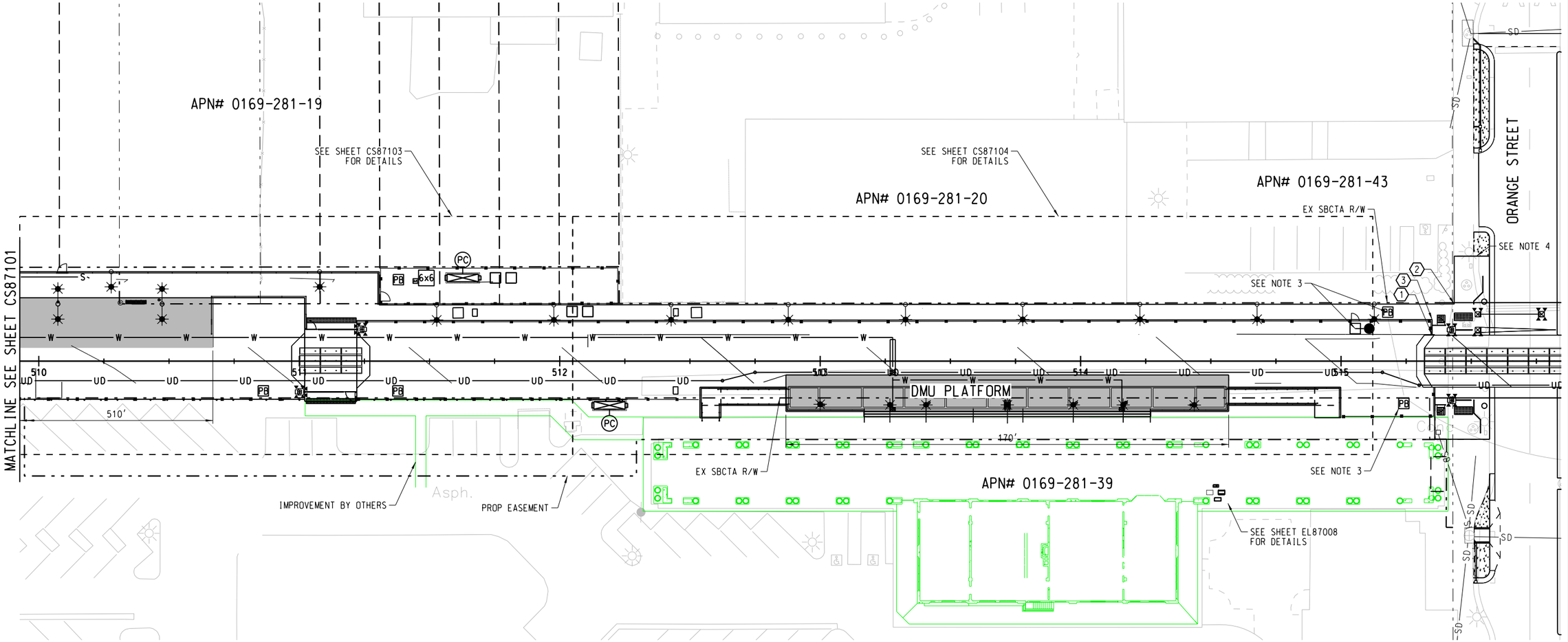
REGISTERED PROFESSIONAL ENGINEER
THOMAS B. JACQUES
No. C63769
Exp. 9-30-2020
CIVIL
STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

DOWNTOWN REDLANDS STATION
LAYOUT PLAN
SHEET 1 OF 2

CONTRACT NO. 17-1001705
DRAWING NO. CS87101
REVISION | SHEET NO.
SCALE 1"=20'

2/13/2019 5:07:29 PM OMAP-INPICS02$
\\OMAP-INPICS01\GIS1$\PDF\3137\086817.22\26495-06-CS87101.DGN
C:\Working Files (x86)\SANBAG\CS+HALF FULL SCALE.ctb
C:\Program Files (x86)\Common Files\Inter\Plot\PLOT\bin\plotdrvm.plt



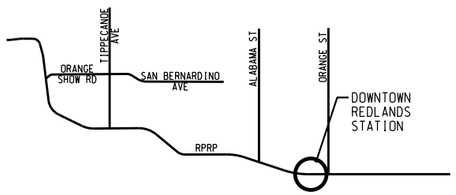
	STA.	OFFSET	DESCRIPTION	ELEV
1	515+34.98	10.00′ LT	WALKWAY	1356.30 FS
2	515+43.46	21.95′ LT	WALKWAY	1356.79 FS
3	515+34.97	15.94 LT	WALKWAY	1356.68 FS

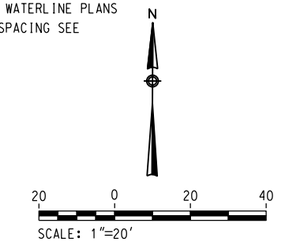
GENERAL NOTES:

1. DMU PLATFORM INTENDED FOR USE BY THE ARROW
2. FOR OFFSITE & TRACK STORM DRAIN IMPROVEMENTS SEE TRACK GRADING AND DRAINAGE PLANS
3. FOR SIGNAL IMPROVEMENTS SEE SIGNALS PLANS
4. FOR ROADWAYS SEE CIVIL PLANS
5. FOR ELECTRICAL IMPROVEMENTS SEE ELECTRICAL PLANS
6. FOR COMMUNICATIONS UTILITIES, SEE COMMUNICATIONS PLANS
7. FOR WATERLINE IMPROVEMENTS SEE STATION WATERLINE PLANS
8. FOR CONTROL JOINT AND EXPANSION JOINT SPACING SEE STRUCTURAL PLANS

LEGEND

- PLATFORM
- CONCRETE WALKWAY
- SHEET OUTLINE





REV.	DATE		BY	SUB.	APP.
			TJ		SG

DESIGNED BY L. HERNANDEZ
DRAWN BY J.K. ANDRES
CHECKED BY A. SHAH
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

REGISTERED PROFESSIONAL ENGINEER
THOMAS B. JACQUES
No. C63769
EXP. 9-30-2020
CIVIL
STATE OF CALIFORNIA

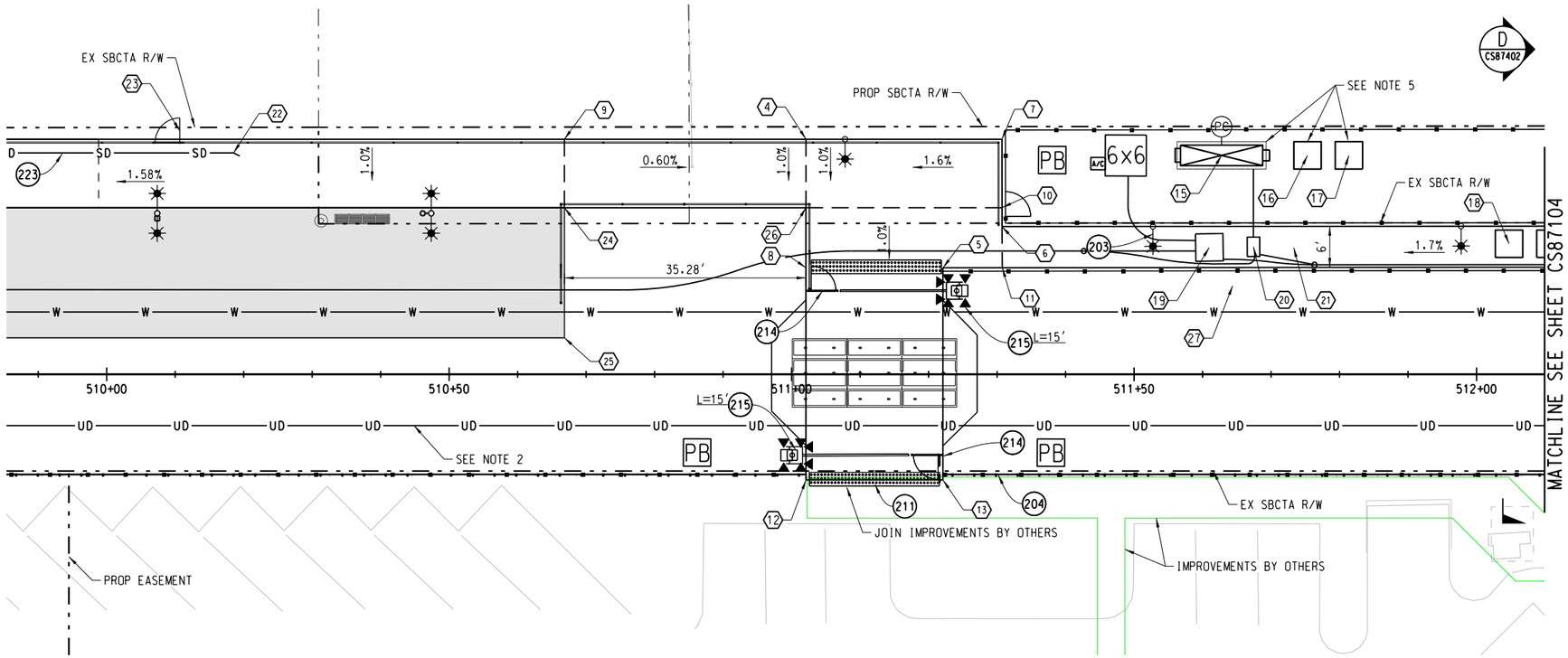
REDLANDS PASSENGER RAIL PROJECT

DOWNTOWN REDLANDS
LAYOUT PLAN
SHEET 2 OF 2

CONTRACT NO. 17-1001705
DRAWING NO. CS87102
REVISION | SHEET NO.
SCALE 1"=20'

Redlands Regular Meeting - 09-20-2022

2/13/2019 5:07:54 PM
\\Cop-INPICS01\CS\ProPDF\3137\988817_23-26495-06-CS87102.DGN
pc:\Working\pc4875\CS\SAB\CS87102_HALF.mlb
C:\Program Files (x86)\Common Files\InterPlot\INPLOT\bin\plotdrvm.plt
OMAP-INPICS02$



	STA.	OFFSET	DESCRIPTION	ELEV
4	511+02.10	34.31 LT	WALKWAY	1349.46 FS
5	511+22.10	15.56 LT	WALKWAY	1349.59 FS
6	511+30.72	21.57 LT	WALKWAY	1349.80 FS
7	511+30.72	34.31 LT	WALKWAY	1349.93 FS
8	511+02.10	15.56 LT	WALKWAY	1349.27 FS
9	510+66.82	34.31 LT	WALKWAY	1349.67 FS
10	511+30.72	24.33 LT	WALKWAY	1349.83 FS
11	511+19.83	15.57 LT	WALKWAY	1349.74 FS
12	511+02.10	15.44 RT	WALKWAY	1349.27 FS
13	511+22.10	15.44 RT	WALKWAY	1379.59 FS
15	511+62.78	31.97 LT	UTILITY	1350.29 FS
16	511+75.33	31.97 LT	UTILITY	1350.49 FS
17	511+81.37	31.97 LT	UTILITY	1350.52 FS
18	511+04.75	19.06 LT	* UTILITY	1351.03 FS
19	511+60.97	18.50 LT	* UTILITY	1350.29 FS
20	511+67.34	18.62 LT	* UTILITY	1350.38 FS
21	511+73.12	18.49 LT	* UTILITY	1350.49 FS
22	510+18.52	32.33 LT	STORMDRAIN	1343.80 INV
23	510+10.68	35.55 LT	GATE	1347.58 FS
24	510+66.82	24.33 LT	PLATFORM	1349.57 FS
25	510+66.82	5.33 LT	WALKWAY/PLATFORM	1349.38 FS
26	511+02.10	24.33 LT	WALKWAY	1349.36 FS
27	511+64.40	12.56 LT	WALKWAY	1350.20 FS

* FLUSH TO SIDEWALK

CONSTRUCTION NOTES:

(203) LIGHTING - SEE ELECTRICAL

(204) RETAINING WALL - SEE STRUCTURAL PLANS

(211) INSTALL ADA DETECTABLE WARNING SURFACE (RAISED TRUNCATED DOME PER SCRRA ES3203)

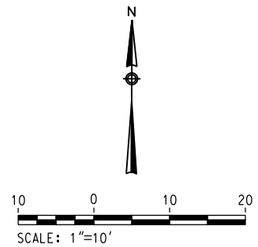
(214) INSTALL PEDESTRIAN SWING GATE PER SCRRA ENGINEERING STD 4002, LAYOUT PER PLAN

(215) INSTALL CPUC STD NO. 9 PEDESTRIAN AUTOMATIC WARNING DEVICE WITH GATE ARM PER SCRRA ENGINEERING STD ES8300, LENGTH PER PLAN

(223) CONST. 8" PLASTIC STORM DRAIN

GENERAL NOTES:

1. DMU PLATFORM INTENDED FOR USE BY RPRP
2. FOR TRACK & OFFSITE STORM DRAIN IMPROVEMENTS SEE TRACK GRADING AND DRAINAGE PLANS
3. FOR SIGNAL IMPROVEMENTS SEE SIGNALS PLANS
4. FOR ELECTRICAL IMPROVEMENTS SEE ELECTRICAL PLANS
5. FOR COMMUNICATIONS UTILITIES SEE COMMUNICATIONS PLANS



REV.	DATE		BY	APP.
			TJ	SG

DESIGNED BY L. HERNANDEZ
DRAWN BY J.K. ANDRES
CHECKED BY A. SHAH
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

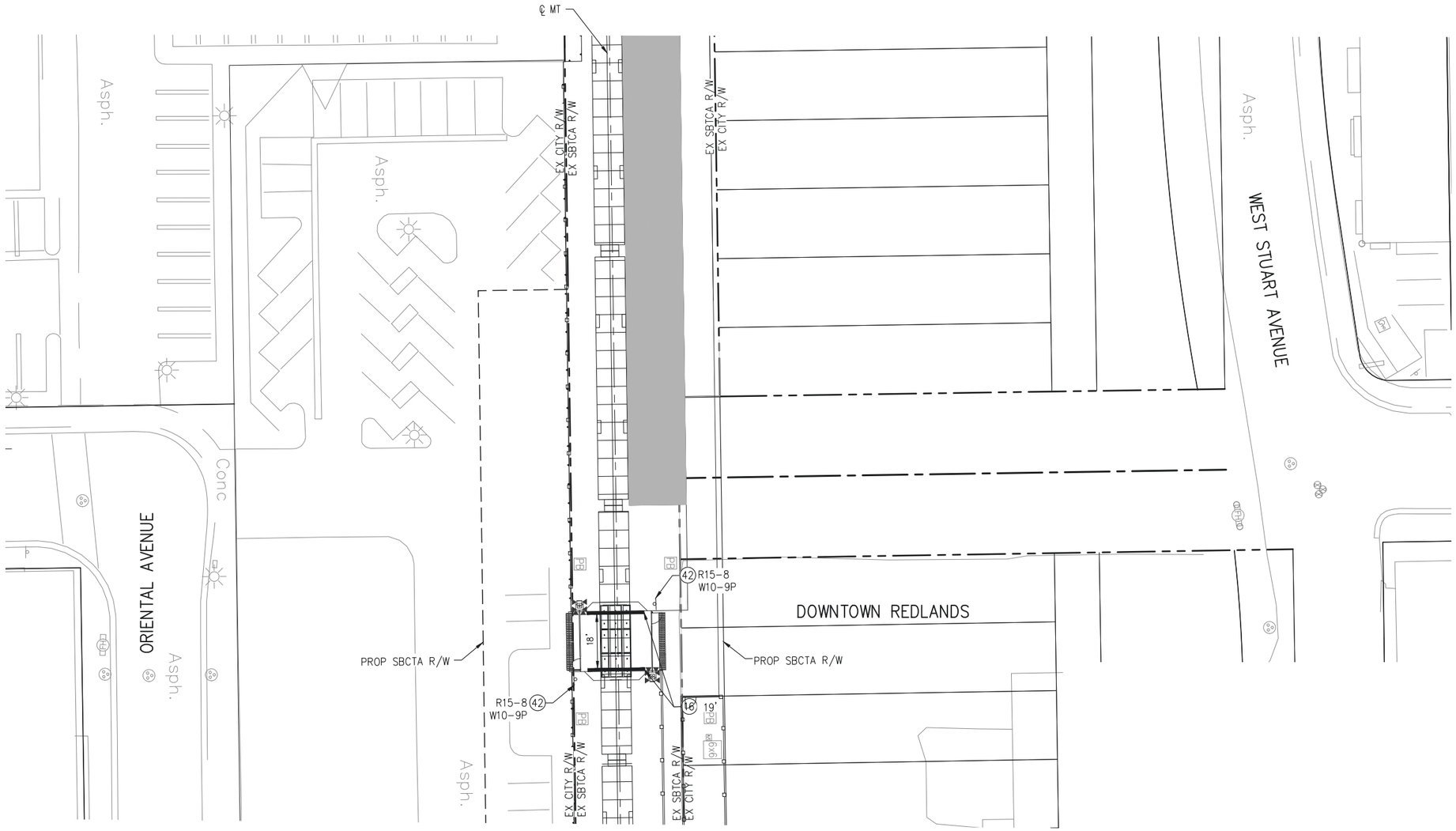
REGISTERED PROFESSIONAL ENGINEER
THOMAS B. JACQUES
No. C63769
Exp. 9-30-2020
CIVIL
STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

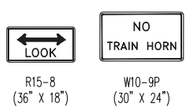
DOWNTOWN REDLANDS
SITE PLAN
SHEET 1 OF 2

CONTRACT NO. 17-1001705
DRAWING NO. CS87103
REVISION | SHEET NO.
SCALE 1"=10'

2/13/2019 5:08:13 PM OMAP-INPICS02$
\\OMAP-INPICS01\CS1to1PDF\3137\98887_24\26495-06-CS87103.DGN
C:\Program Files (x86)\Common Files\InterPlot\IPLOT\bin\ploldrvm.plt



SIGNAGE REFERENCES:



R15-8 (36" X 18") W10-9P (30" X 24")

CONSTRUCTION NOTES:

16 APPLY 12" SOLID THERMOPLASTIC WHITE CROSSWALK LINE OR LIMIT LINE PER CALTRANS 2015 STD PLAN A24E.

42 INSTALL SIGN AND POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE A MINIMUM 7' ABOVE FINISHED GRADE.

SEE CIVIL SHEETS FOR CURB, RAMP, MEDIAN AND SIDEWALK IMPROVEMENTS

N

20 0 20 40

SCALE: 1"=20'

REV.	DATE		BY	SUB.	APP.
			BS		CL

DESIGNED BY B. SCHLUETER
DRAWN BY B. SCHLUETER
CHECKED BY N. MINICILLI
APPROVED BY R. KLOVSKY
DATE 2-6-2019

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

STC TRAFFIC
5865 AVENIDA ENCINAS, #142-B
CARLSBAD, CA 92008
PH: 760-602-4290
WWW.STCTRAFFIC.COM

APPROVED: _____

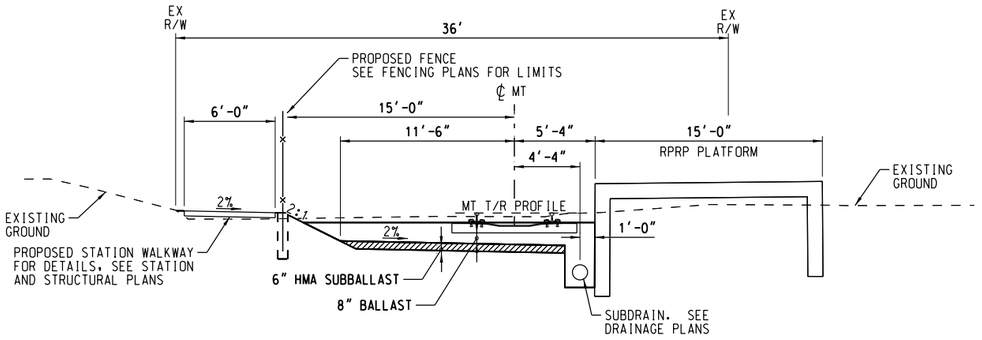
REGISTERED PROFESSIONAL ENGINEER NICHOLAS M. MINICILLI NO. 74667 CIVIL STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

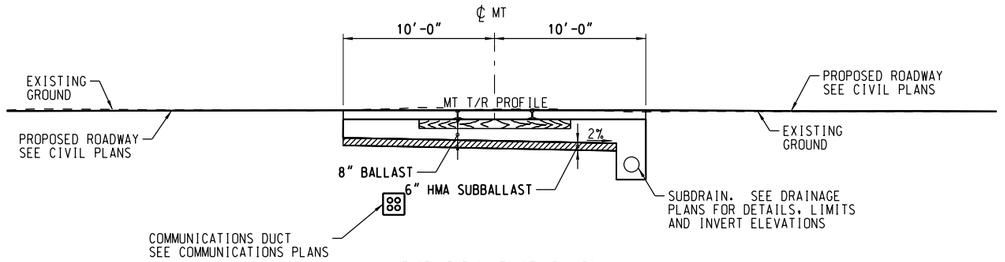
ROADWAY IMPROVEMENT
DOWNTOWN REDLANDS PEDESTRIAN CROSSING
MP 65.51 (8.83) SIGNING AND STRIPING

CONTRACT NO. C15-1001093
DRAWING NO. CR87501
REVISION | SHEET NO.
SCALE HORIZ 1"=20'

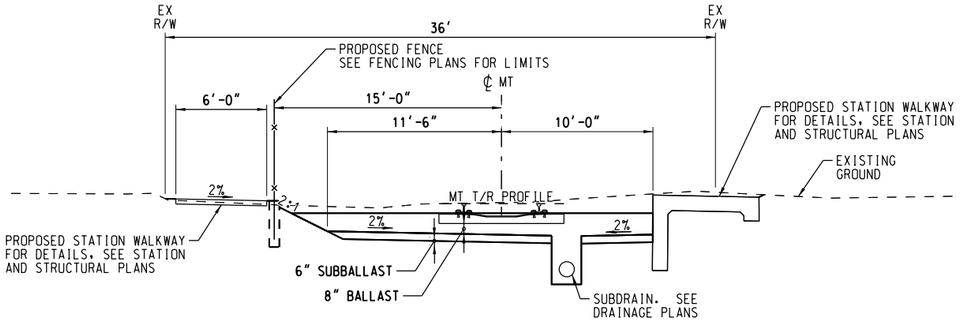
02/20/2019 2:48 PM brandon schlueter
s:\projects\hdr\0398_redlands passenger rail design project\07_engineering\cadd\div\26495-06-cr87501.dwg
sonstruction.ctb



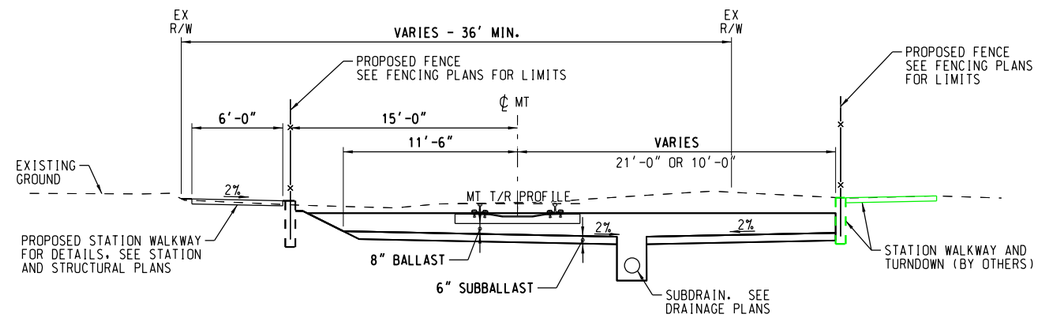
MT STA 512+87 TO STA 514+57



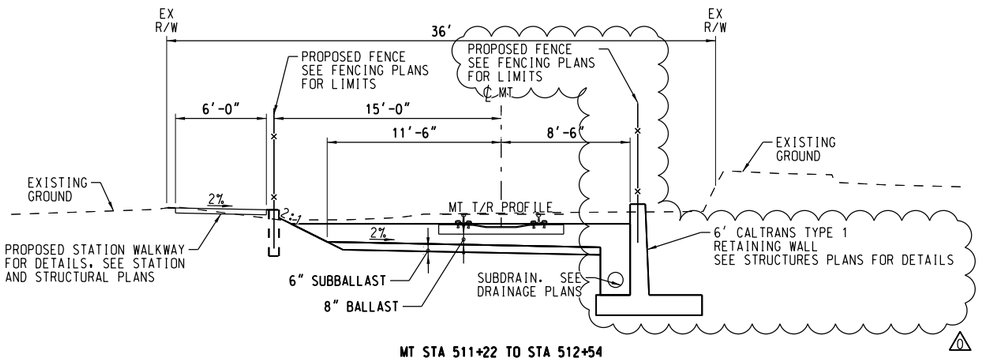
MT STA 515+29 TO STA 516+39 (ORANGE STREET)



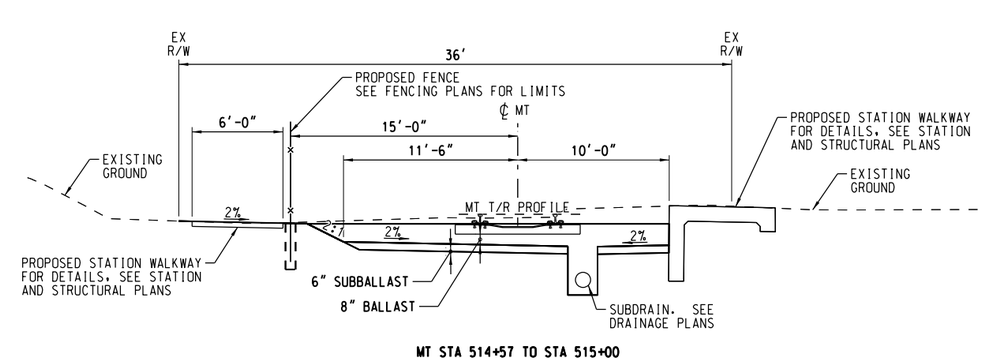
MT STA 512+54 TO STA 512+87



MT STA 515+00 TO STA 515+29



MT STA 511+22 TO STA 512+54



MT STA 514+57 TO STA 515+00

NOTE:

1. SEE DRAWING RR00301 FOR ROADBED WIDENING ON CURVES.
2. SUBBALLAST TRANSITION TO OCCUR OVER 25 FEET.

REV.	DATE		BY	SUB.	APP.
			TJ		SG

DESIGNED BY MIHALOVICH/BROWN
DRAWN BY J. BROWN
CHECKED BY B. RYAN
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

REGISTERED PROFESSIONAL ENGINEER JASON W. BROWN No. C84914 Exp. 3-31-20 CIVIL STATE OF CALIFORNIA

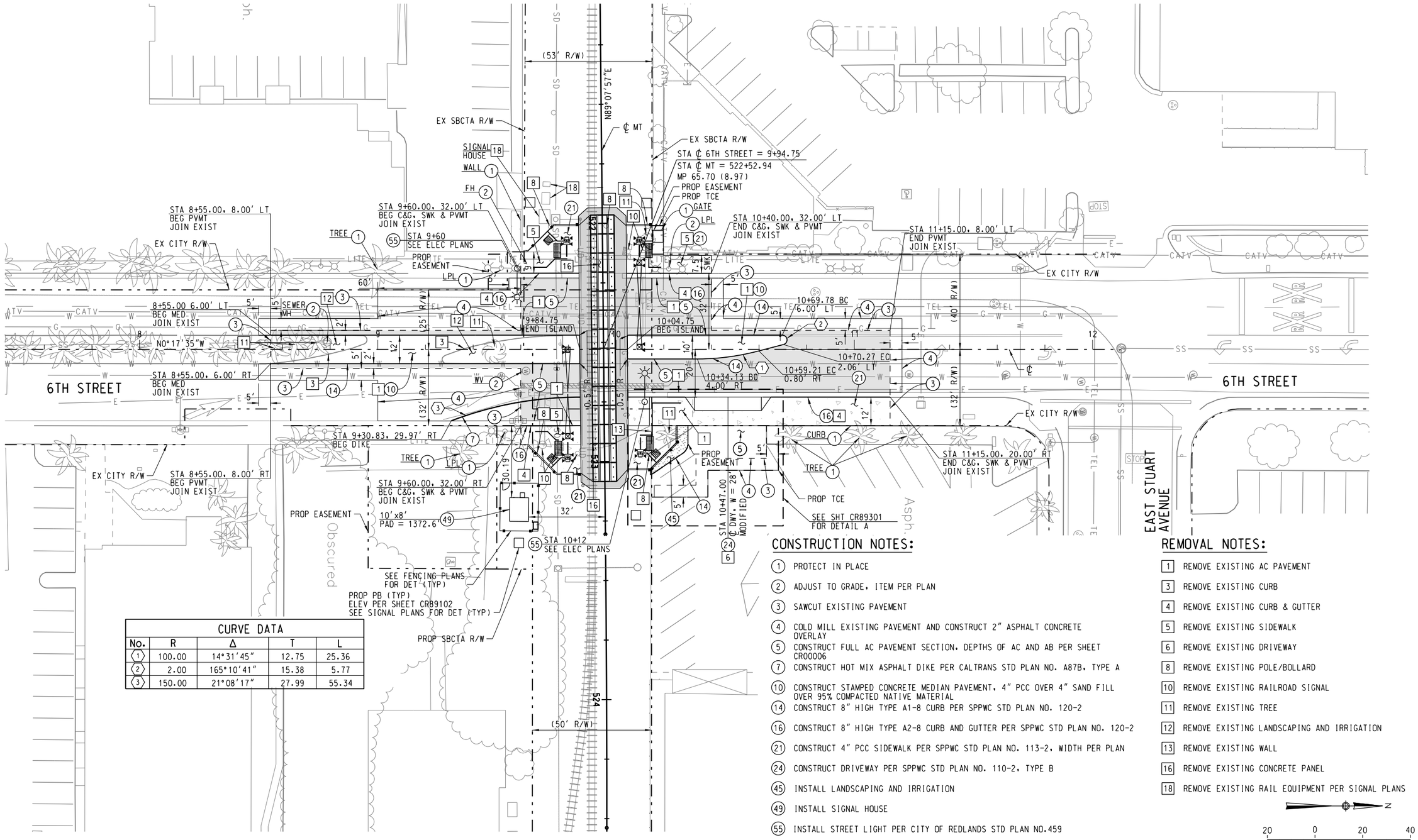
REDLANDS PASSENGER RAIL PROJECT

TRACK TYPICAL SECTIONS
MT STA 511+22 TO STA 516+39

CONTRACT NO. 17-1001705
DRAWING NO. RR00332
REVISION | SHEET NO.
SCALE NTS

Redlands Regular Meeting - 09-20-2022

2/13/2019 2:59:19 PM
OMAP-INPICS01\CGSforPDF\3134\988800-45\26495-RR00332.dgn
OMAP-INPICS02$
C:\Program Files (x86)\Common Files\InterPlot\IPLOT\bin\iplotdrvm.plt



CURVE DATA				
No.	R	Δ	T	L
1	100.00	14°31'45"	12.75	25.36
2	2.00	165°10'41"	15.38	5.77
3	150.00	21°08'17"	27.99	55.34

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST TO GRADE, ITEM PER PLAN
3. SAWCUT EXISTING PAVEMENT
4. COLD MILL EXISTING PAVEMENT AND CONSTRUCT 2" ASPHALT CONCRETE OVERLAY
5. CONSTRUCT FULL AC PAVEMENT SECTION, DEPTHS OF AC AND AB PER SHEET CR00006
7. CONSTRUCT HOT MIX ASPHALT DIKE PER CALTRANS STD PLAN NO. A87B, TYPE A
10. CONSTRUCT STAMPED CONCRETE MEDIAN PAVEMENT, 4" PCC OVER 4" SAND FILL OVER 95% COMPACTED NATIVE MATERIAL
14. CONSTRUCT 8" HIGH TYPE A1-8 CURB PER SPPWC STD PLAN NO. 120-2
16. CONSTRUCT 8" HIGH TYPE A2-8 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2
21. CONSTRUCT 4" PCC SIDEWALK PER SPPWC STD PLAN NO. 113-2, WIDTH PER PLAN
24. CONSTRUCT DRIVEWAY PER SPPWC STD PLAN NO. 110-2, TYPE B
45. INSTALL LANDSCAPING AND IRRIGATION
49. INSTALL SIGNAL HOUSE
55. INSTALL STREET LIGHT PER CITY OF REDLANDS STD PLAN NO.459

REMOVAL NOTES:

1. REMOVE EXISTING AC PAVEMENT
3. REMOVE EXISTING CURB
4. REMOVE EXISTING CURB & GUTTER
5. REMOVE EXISTING SIDEWALK
6. REMOVE EXISTING DRIVEWAY
8. REMOVE EXISTING POLE/BOLLARD
10. REMOVE EXISTING RAILROAD SIGNAL
11. REMOVE EXISTING TREE
12. REMOVE EXISTING LANDSCAPING AND IRRIGATION
13. REMOVE EXISTING WALL
16. REMOVE EXISTING CONCRETE PANEL
18. REMOVE EXISTING RAIL EQUIPMENT PER SIGNAL PLANS

N

20 0 20 40

SCALE: 1"=20'

DOT 027245U, CPUC 101 SG-65.70

12/19/2017 9:15:03 AM OMAP-INPICS01$
D:\OMAP-INPICS01\CS1for PDF\923\883953_70_26495-06-CR89101.DGN
C:\Program Files (x86)\Common Files\Inter\Plot\PLOT\bin\plotdrvm.plt
C:\Program Files (x86)\Common Files\Inter\Plot\PLOT\bin\plotdrvm.plt

REV.	DATE		BY	SUB.	APP.

DESIGNED BY J. SONG
DRAWN BY W. STEBOK
CHECKED BY C. CHRISTOPLIS
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

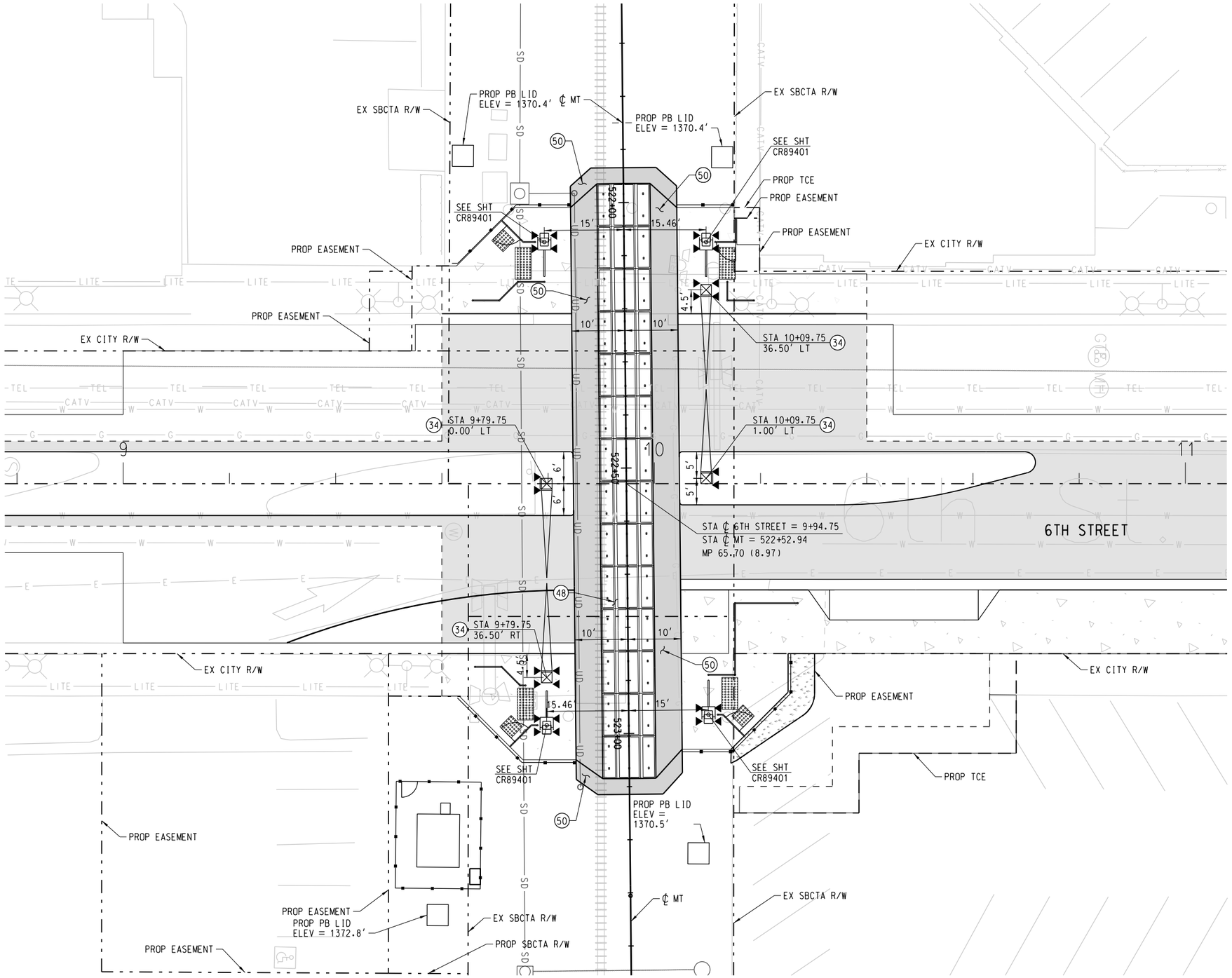
HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
6TH STREET – MP 65.70 (8.97)
LAYOUT

CONTRACT NO. 17-1001705
DRAWING NO. CR89101
REVISION | SHEET NO.
SCALE 1"=20'



CONSTRUCTION NOTES:

(34) INSTALL CPUC STD NO. 9 ACTIVE WARNING DEVICE PER SCRRA ENGINEERING STD ES8300
(48) INSTALL PRECAST CONCRETE PANELS PER SCRRA ENGINEERING STD ES4201, LAYOUT PER TRACK PLANS
(50) CONSTRUCT ASPHALT CONCRETE PAVEMENT AND RAMP PER SCRRA ENGINEERING STD ES4201

NOTE:

1. PEDESTRIAN FACILITIES AT VEHICLE CROSSINGS SHALL COMPLY WITH SCRRA ENGINEERING STANDARDS ES4011 AND ES4012, WHICHEVER IS APPLICABLE.

N

10 0 10 20

SCALE: 1"=10'

12/19/2017 9:15:14 AM OMAP-INPICS01$
C:\Projects\OMAP-INPICS01\CS15\PDF\923\883953_96-26495-06-CR89102.DGN
User:wstebok Style:C:\PROJECTS\SAN-CS-ALL.TBL\SAN-CS-ALL.TBL
Layout:Layout1 Program Files (x86)\Common Files\InterPlot\IPLOT\bin\plotdrvm.plt

REV.	DATE		BY	SUB.	APP.

DESIGNED BY J. SONG
DRAWN BY W. STEBOK
CHECKED BY C. CHRISTOPLIS
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

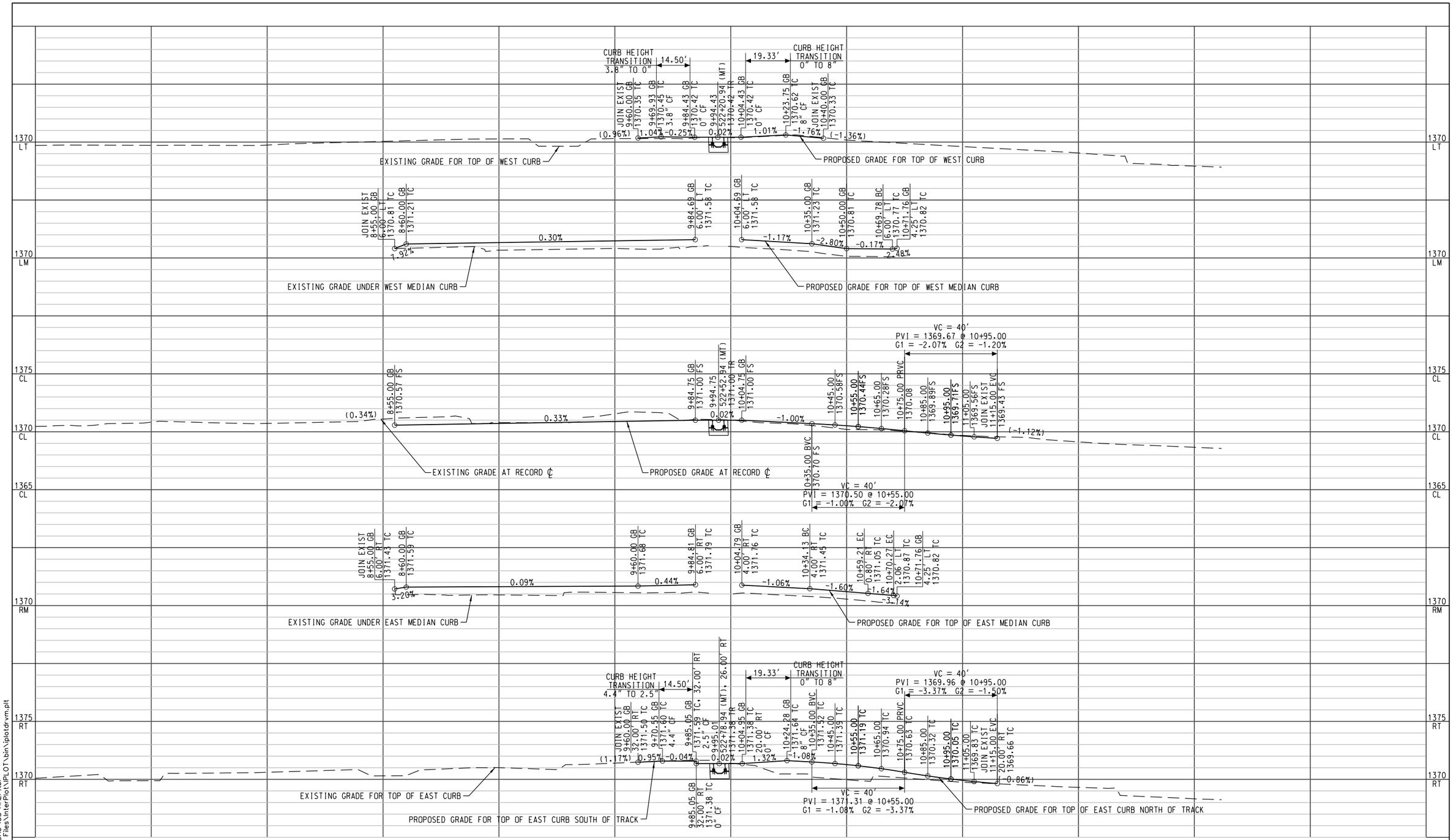
HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
6TH STREET – MP 65.70 (8.97)
GRADE CROSSING LAYOUT

CONTRACT NO. 17-1001705
DRAWING NO. CR89102
REVISION | SHEET NO.
SCALE 1"=10'



12/19/2017 9:14:29 AM
OMAP-INPICS03
J:\OMAP-INPICS01\CS\ProPDF\323\883953_71X26495-06-CR89201.DGN
J:\Engineering Projects\6x6\CS\HALF\CS_HALF_10.dgn
C:\Program Files (x86)\Common Files\InterPlot\INPLOT\bin\iplotdrvm.plt

REV.	DATE	BY	SUB.	APP.

DESIGNED BY J. SONG
DRAWN BY W. STEBOK
CHECKED BY C. CHRISTOPLIS
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
6TH STREET – MP 65.70 (8.97)
PROFILE

CONTRACT NO. 17-1001705
DRAWING NO. CR89201
REVISION | SHEET NO.
SCALE 170 of 359 HORIZ 1"=20' VERT 1"=4'

CONSTRUCTION NOTES:

(1) PROTECT IN PLACE

(3) SAWCUT EXISTING PAVEMENT

(4) COLD MILL EXISTING PAVEMENT AND CONSTRUCT 2" ASPHALT CONCRETE OVERLAY

(5) CONSTRUCT FULL AC PAVEMENT SECTION, DEPTHS OF AC AND AB PER SHEET CR00006

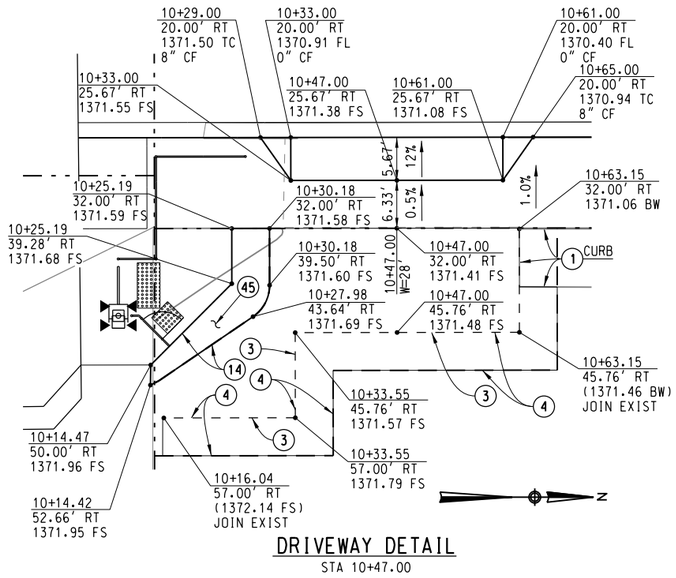
(10) CONSTRUCT STAMPED CONCRETE MEDIAN PAVEMENT, 4" PCC OVER 4" SAND FILL OVER 95% COMPACTED NATIVE MATERIAL

(14) CONSTRUCT 8" HIGH TYPE A1-8 CURB PER SPPWC STD PLAN NO. 120-2

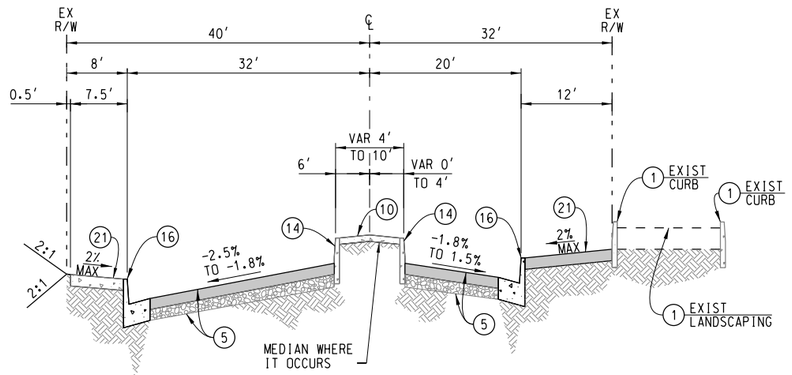
(16) CONSTRUCT 8" HIGH TYPE A2-8 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2

(21) CONSTRUCT 4" PCC SIDEWALK PER SPPWC STD PLAN NO. 113-2, WIDTH PER PLAN

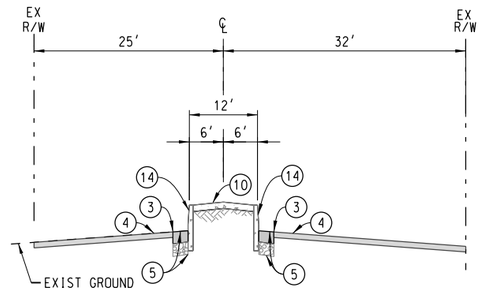
(45) INSTALL LANDSCAPING AND IRRIGATION



DRIVEWAY DETAIL
STA 10+47.00



6TH STREET
NORTH OF CROSSING
10+63.15 TO 11+15.00
NTS



6TH STREET
SOUTH OF CROSSING
8+55.00 TO 9+60.00
NTS

12/19/2017
9:10:09 AM
OMAP-INPICS01S
D:\OMAP-INPICS01\CS\for PDF\923\883953_72\26495-06-CR89301.DGN
Working Copy of 5706F16\SANBAG-SS-HALT Title
C:\Program Files (x86)\Common Files\InterPlot\IPLOT\bin\iplotdrvm.plt

REV.	DATE		BY	SUB.	APP.

DESIGNED BY	J. SONG
DRAWN BY	W. STEBOK
CHECKED BY	C. CHRISTOPLIS
APPROVED BY	R. KLOVSKY
DATE	12-20-2017

San Bernardino County Transportation Authority

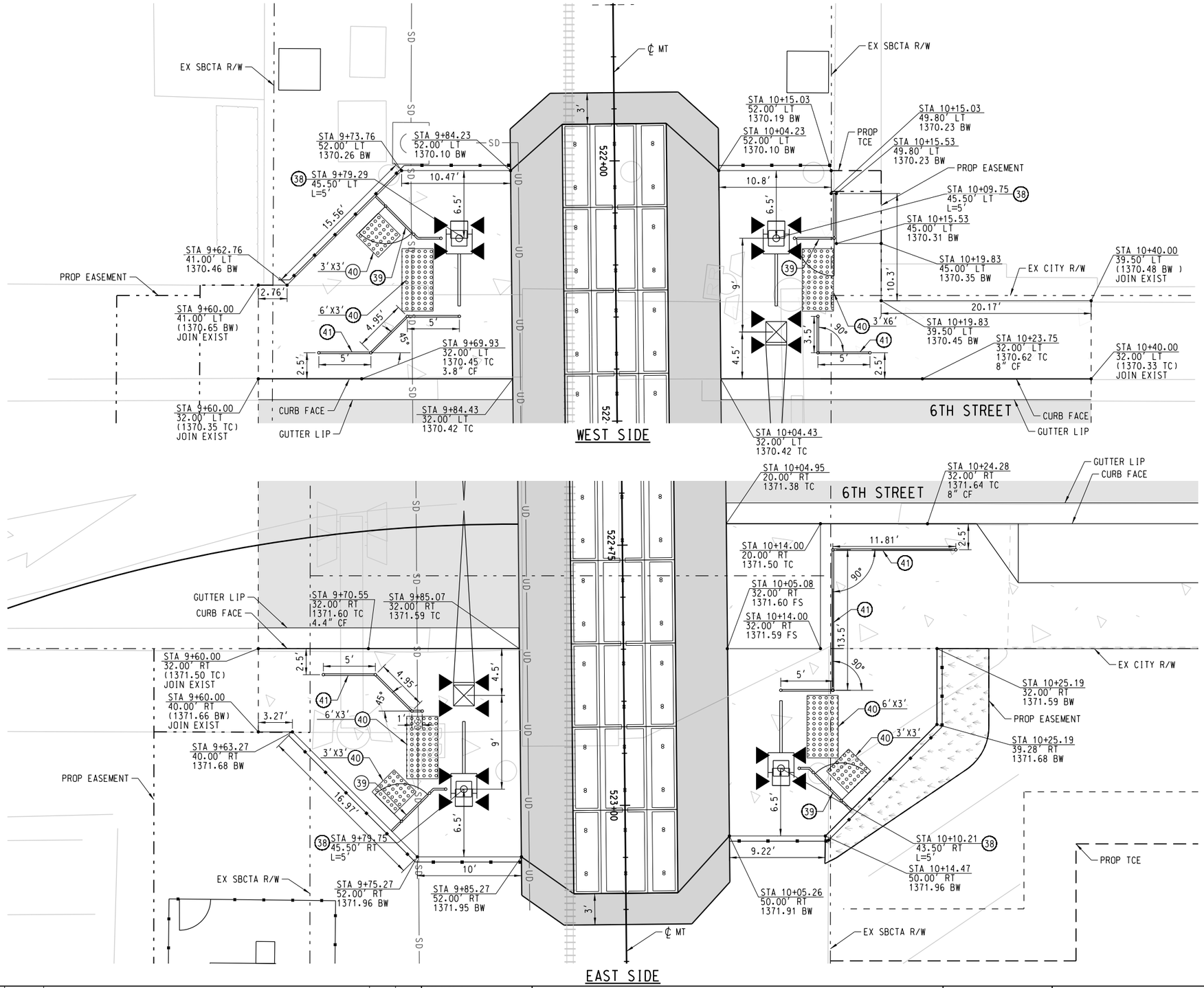
HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
6TH STREET – MP 65.70 (8.97)
TYPICAL SECTION & CONSTRUCTION DETAILS

CONTRACT NO.	17-1001705
DRAWING NO.	CR89301
REVISION	SHEET NO.
SCALE	1"=10'



CONSTRUCTION NOTES:

(38) INSTALL CPUC STD NO. 9 PEDESTRIAN AUTOMATIC WARNING DEVICE WITH GATE ARM PER SCRRA ENGINEERING STD ES8300, LENGTH PER PLAN
(39) INSTALL PEDESTRIAN SWING GATE PER SCRRA ENGINEERING STD ES4002, LAYOUT PER PLAN
(40) INSTALL ADA DETECTABLE WARNING SURFACE (RAISED TRUNCATED DOME), DIMENSIONS PER PLAN
(41) INSTALL METAL HAND RAILING PER SCRRA ENGINEERING STD ES4005

NOTES:

1. PEDESTRIAN FACILITIES AT VEHICLE CROSSINGS SHALL COMPLY WITH SCRRA ENGINEERING STANDARDS ES4011 AND ES4012, WHICHEVER IS APPLICABLE.
2. SEE ROADWAY LAYOUT SHEET FOR STATIONING.

REV.	DATE	BY	SUB.	APP.

DESIGNED BY J. SONG
DRAWN BY W. STEBOK
CHECKED BY C. CHRISTOPLIS
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

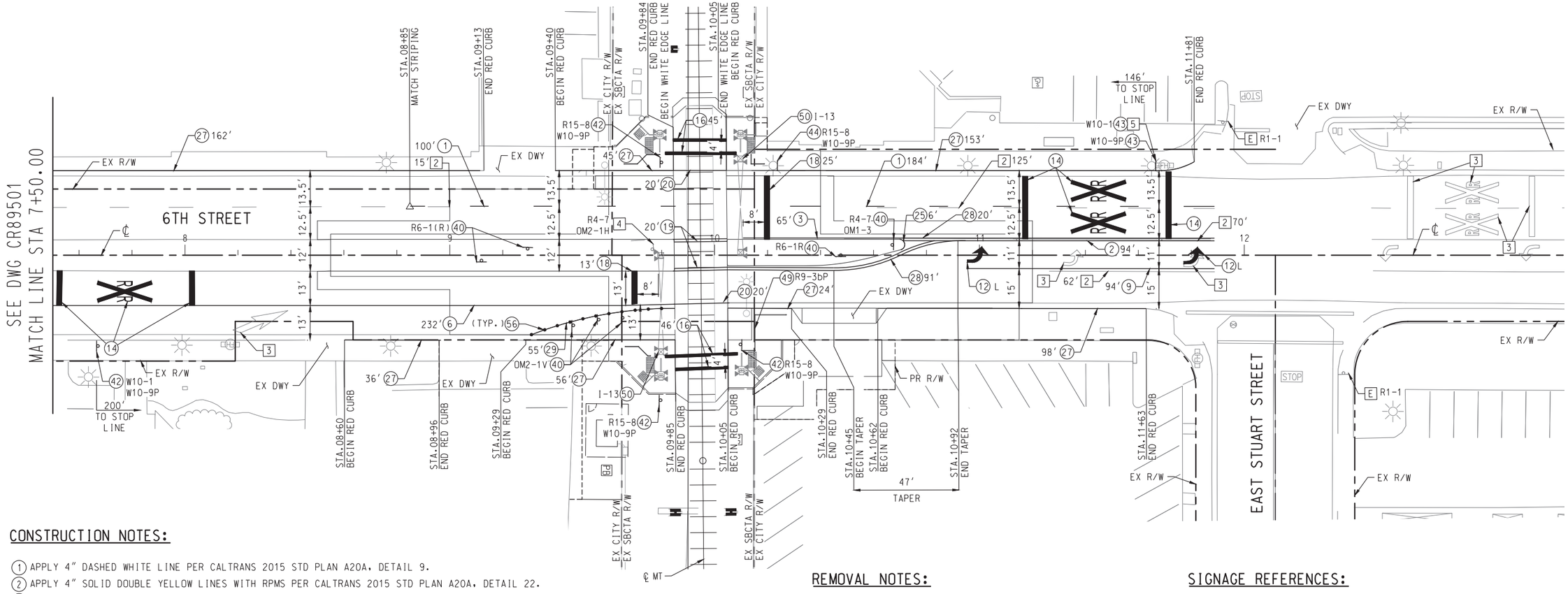
100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
6TH STREET – MP 65.70 (8.97)
GRADE CROSSING DETAILS

CONTRACT NO. 17-1001705
DRAWING NO. CR89401
REVISION | SHEET NO.
SCALE 1"=5'

12/19/2017 9:14:17 AM
C:\OMAP-INPICS01\CS16PDF\923\883953_923_26495-06-CR89401.DGN
C:\Projects\Redlands Passenger Rail Project\Working\CS16\CAD\Sheets\CR89401.dgn
C:\Program Files (x86)\Common Files\InterPlot\IPILOT\bin\iplotdrvm.plt
OMAP-INPICS01$



CONSTRUCTION NOTES:

(1) APPLY 4" DASHED WHITE LINE PER CALTRANS 2015 STD PLAN A20A, DETAIL 9.
(2) APPLY 4" SOLID DOUBLE YELLOW LINES WITH RPMS PER CALTRANS 2015 STD PLAN A20A, DETAIL 22.
(3) APPLY 4" SOLID YELLOW EDGE LINE AROUND MEDIAN PER CALTRANS 2015 STD PLAN A20B, DETAIL 24.
(6) APPLY 4" SOLID WHITE EDGE LINE PER CALTRANS 2015 STD PLAN A20B, DETAIL 27B.
(9) APPLY 8" WHITE CHANNELIZING LINE WITH REFLECTIVE AND RPMS PER CALTRANS 2015 STD PLAN A20D, DETAIL 38.
(12) APPLY THERMOPLASTIC TYPE IV ARROW AS NOTED ON PLAN PER CALTRANS 2015 STD PLAN A24A.
(14) APPLY THERMOPLASTIC RAILROAD CROSSING SYMBOL PAVEMENT MARKING PER CALTRANS 2015 STD PLAN A24B, AND CA MUTCD FIGURES 8B-6 AND 8B-7.
(16) APPLY 12" SOLID THERMOPLASTIC WHITE CROSSWALK LINE OR LIMIT LINE PER CALTRANS 2015 STD PLAN A24E.
(18) APPLY 24" WHITE THERMOPLASTIC STOP LINE PER CA MUTCD SECTION 8B.28.
(19) APPLY 4" DOUBLE YELLOW MEDIAN LINES WITH RPMS SPACED 4' OC PER METROLINK STD PLAN 4015.
(20) APPLY 4" WHITE EDGE LINE WITH RPMS SPACED 4' OC.
(25) PAINT MEDIAN NOSE YELLOW WITH TYPE "D" RPMS 2' OC.
(27) PAINT CURB RED.
(28) APPLY 4" DOUBLE YELLOW LINES WITH RPMS PER CALTRANS STD PLAN A20B, DETAIL 29.
(29) PAINT AC DIKE WHITE.
(40) INSTALL SIGN AND POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE 3.5' ABOVE FINISH SURFACE.
(42) INSTALL SIGN AND POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE A MINIMUM 7' ABOVE FINISHED GRADE.
(43) INSTALL SIGN ON EXISTING SIGN POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE A MINIMUM OF 7' ABOVE FINISH SURFACE.
(44) INSTALL SIGN ON STREET LIGHT POLE AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE A MINIMUM OF 7' ABOVE FINISH SURFACE.
(49) INSTALL SIGN ON FENCE A NOTED ON PLAN.
(50) INSTALL SIGN ON EXISTING GATE MECHANISM.
(56) INSTALL WHITE CLASS 1 FLEXIBLE POST DELINEATORS AT 5' OC PER CALTRANS 2015 STD PLAN A73C.

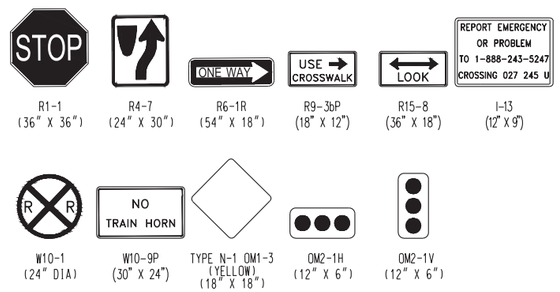
REMOVAL NOTES:

[2] REMOVE EXISTING STRIPING.
[3] REMOVE EXISTING PAVEMENT MARKING.
[4] REMOVE EXISTING SIGN AND POST.
[5] REMOVE EXISTING SIGN FROM POLE.
[E] EXISTING TO REMAIN.

GENERAL NOTES:

6TH STREET POSTED SPEED LIMIT 35 MPH.

SIGNAGE REFERENCES:



SEE CIVIL SHEETS FOR CURB, RAMP, MEDIAN AND SIDEWALK IMPROVEMENTS

N
20 0 20 40
SCALE: 1"=20'

REV.	DATE		BY	SUB.	APP.

DESIGNED BY B. SCHLUETER
DRAWN BY B. SCHLUETER
CHECKED BY N. MINICILLI
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

STC TRAFFIC
5865 AVENIDA ENCINAS, #142-B
CARLSBAD, CA 92008
PH: 760-602-4290
WWW.STCTRAFFIC.COM

APPROVED: _____

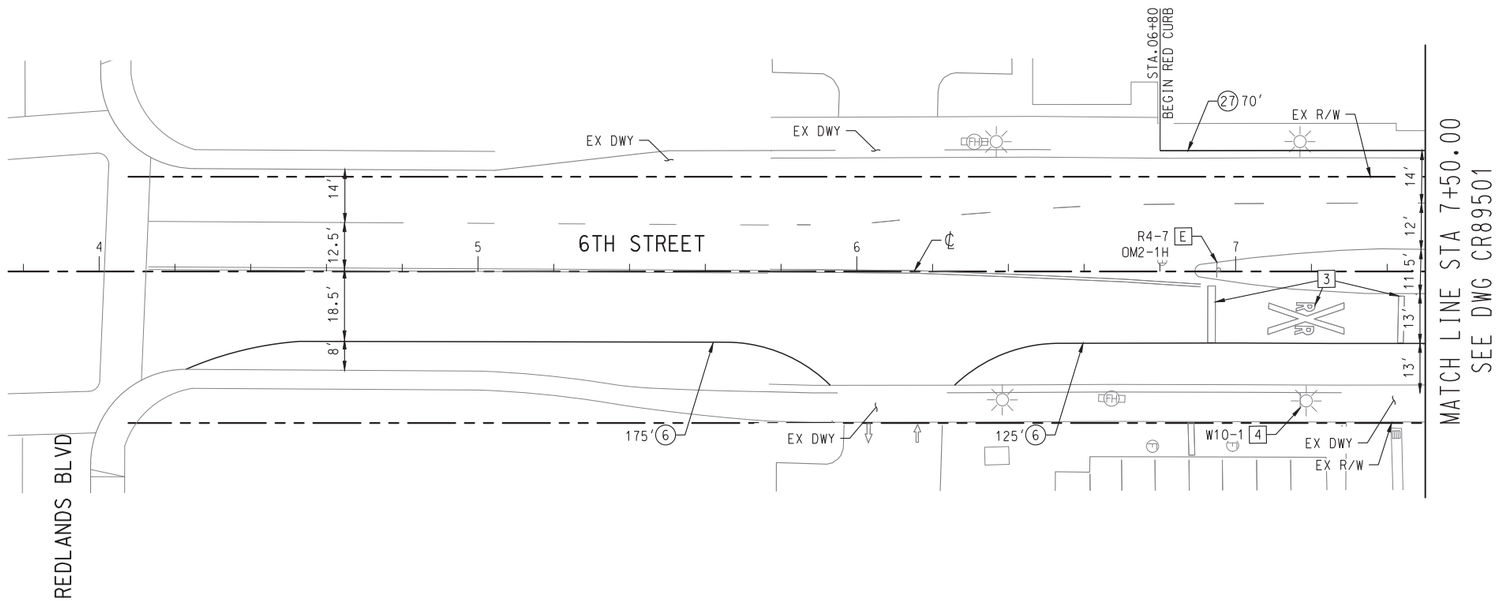
100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
6TH STREET - MP 65.70 (8.97)
SIGNING AND STRIPING (SHEET 1 OF 2)

CONTRACT NO. C15-1001093
DRAWING NO. CR89501
REVISION | SHEET NO.
SCALE HORIZ 1"=20'

12/20/2017 2:48 PM christian lombarth
s:\projects\hdr\0398_redlands passenger rail design project\07_engineering\cadd\dlv\26495-06-cr89501.dwg
sonora.ctb



CONSTRUCTION NOTES:

(6) APPLY 4" SOLID WHITE EDGE LINE PER CALTRANS 2015 STD PLAN A20B, DETAIL 27B.
(27) PAINT CURB RED.

REMOVAL NOTES:

[3] REMOVE EXISTING PAVEMENT MARKING.
[4] REMOVE EXISTING SIGN AND POST.
[E] EXISTING TO REMAIN.

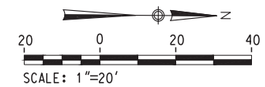
SIGNAGE REFERENCES:



GENERAL NOTES:

6TH STREET POSTED SPEED LIMIT 35 MPH.

SEE CIVIL SHEETS FOR CURB, RAMP, MEDIAN AND SIDEWALK IMPROVEMENTS



REV.	DATE		BY	SUB.	APP.

DESIGNED BY B. SCHLUETER
DRAWN BY B. SCHLUETER
CHECKED BY N. MINICILLI
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

STC TRAFFIC
5865 AVENIDA ENCINAS, #142-B
CARLSBAD, CA 92008
PH: 760-602-4290
WWW.STCTRAFFIC.COM

APPROVED: _____

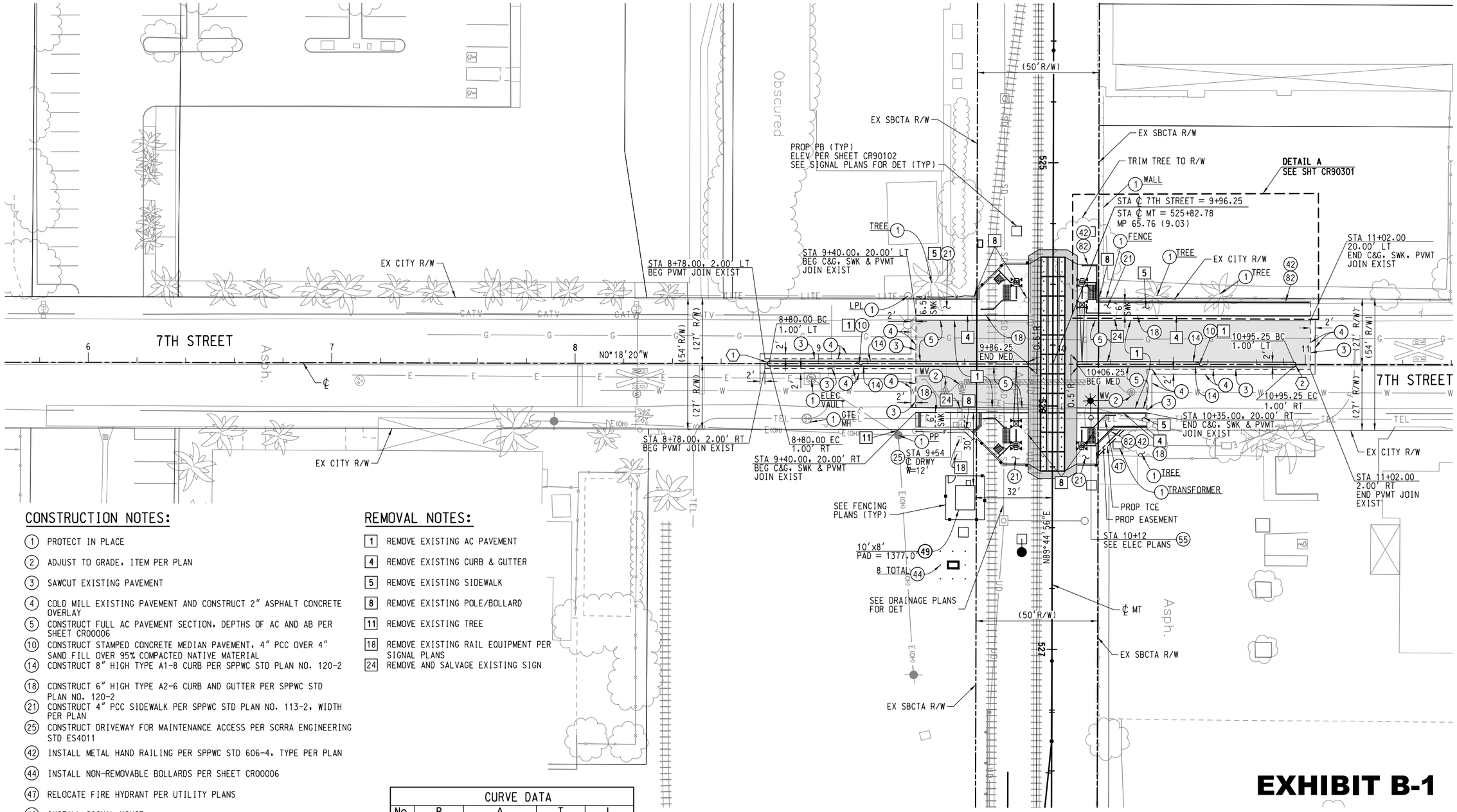
100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
6TH STREET - MP 65.70 (8.97)
SIGNING AND STRIPING (SHEET 2 OF 2)

CONTRACT NO. C15-1001093
DRAWING NO. CR89502
REVISION | SHEET NO.
SCALE HORIZ 1"=20'

12/20/2017 2:48 PM brandon schlueter
s:\projects\hdr\0398_redlands passenger rail design project\07_engineering\cadd\dlv\26495-06-cr89502.dwg
sonet.ctb



CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST TO GRADE, ITEM PER PLAN
3. SAWCUT EXISTING PAVEMENT
4. COLD MILL EXISTING PAVEMENT AND CONSTRUCT 2" ASPHALT CONCRETE OVERLAY
5. CONSTRUCT FULL AC PAVEMENT SECTION, DEPTHS OF AC AND AB PER SHEET CR00006
10. CONSTRUCT STAMPED CONCRETE MEDIAN PAVEMENT, 4" PCC OVER 4" SAND FILL OVER 95% COMPACTED NATIVE MATERIAL
14. CONSTRUCT 8" HIGH TYPE A1-8 CURB PER SPPWC STD PLAN NO. 120-2
18. CONSTRUCT 6" HIGH TYPE A2-6 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2
21. CONSTRUCT 4" PCC SIDEWALK PER SPPWC STD PLAN NO. 113-2, WIDTH PER PLAN
25. CONSTRUCT DRIVEWAY FOR MAINTENANCE ACCESS PER SCRRA ENGINEERING STD ES4011
42. INSTALL METAL HAND RAILING PER SPPWC STD 606-4, TYPE PER PLAN
44. INSTALL NON-REMOVABLE BOLLARDS PER SHEET CR00006
47. RELOCATE FIRE HYDRANT PER UTILITY PLANS
49. INSTALL SIGNAL HOUSE
55. INSTALL STREET LIGHT PER CITY OF REDLANDS STD PLAN NO.459
82. INSTALL WALKWAY TURNDOWN SECTION PER DETAIL ON SHEET CR00006

REMOVAL NOTES:

1. REMOVE EXISTING AC PAVEMENT
4. REMOVE EXISTING CURB & GUTTER
5. REMOVE EXISTING SIDEWALK
8. REMOVE EXISTING POLE/BOLLARD
11. REMOVE EXISTING TREE
18. REMOVE EXISTING RAIL EQUIPMENT PER SIGNAL PLANS
24. REMOVE AND SALVAGE EXISTING SIGN

CURVE DATA				
No.	R	Δ	T	L
1	1.00	179°41'40"	374.87	3.14
2	1.00	179°41'40"	374.87	3.14

EXHIBIT B-1

N

20 0 20 40

SCALE: 1"=20'

DOT 027246B, CPUC 101 SG-65.76

$USER$
$TIME$
$DATE$
$FILE$
$PLOTSTYL$
$PLOTDRVL$

Redlands Regular Meeting of 09-20-2022

REV.	DATE		BY	SUB.	APP.

DESIGNED BY J. SONG
DRAWN BY W. STEBOK
CHECKED BY C. CHRISTOPLIS
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

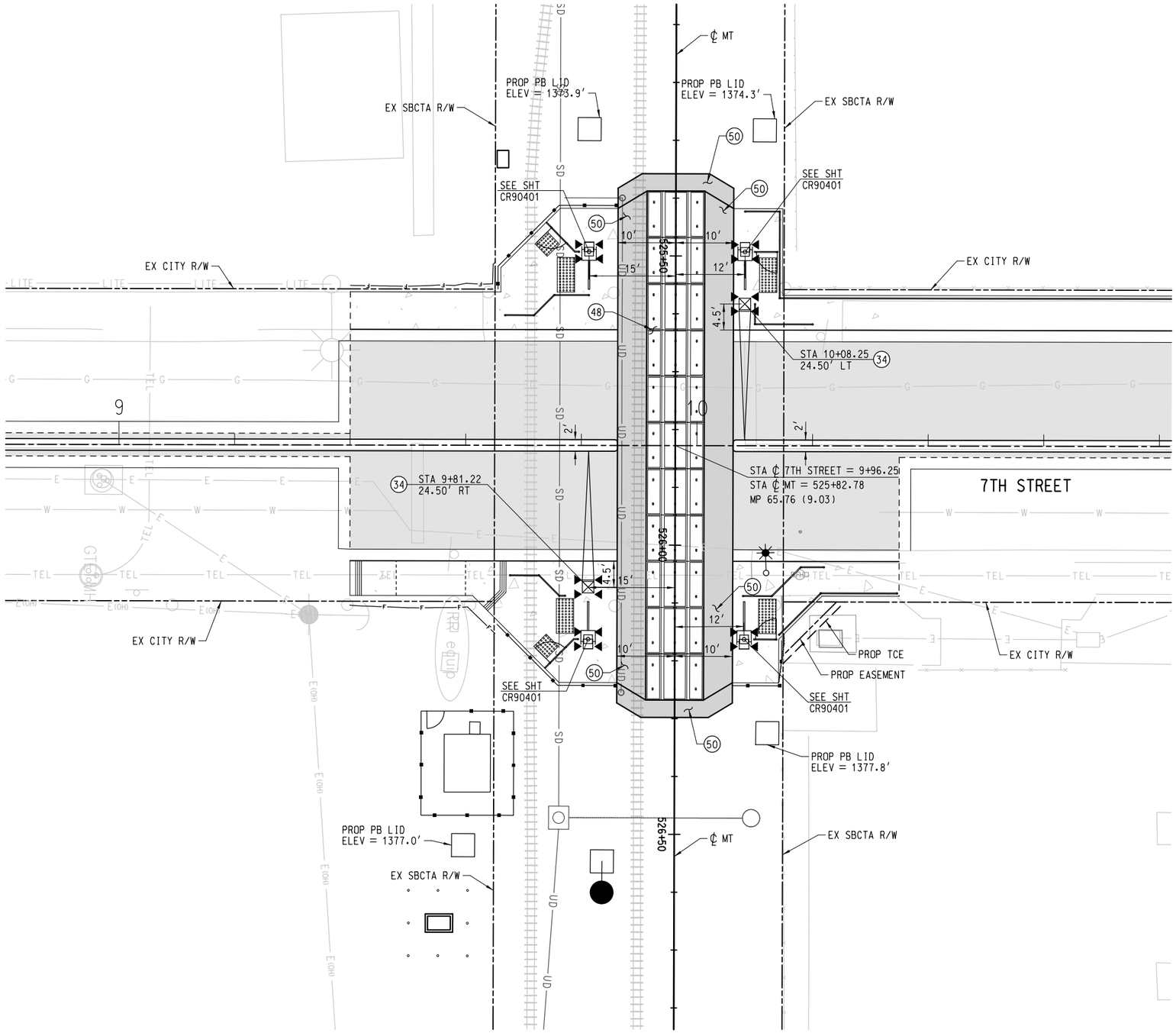
HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

STREET IMPROVEMENT
7TH STREET – MP 65.76 (9.03)
LAYOUT

CONTRACT NO. 17-1001705
DRAWING NO. CR90101
REVISION | SHEET NO.
SCALE 1"=20'



CONSTRUCTION NOTES:

(34) INSTALL CPUC STD NO. 9 ACTIVE WARNING DEVICE PER SCRRA ENGINEERING STD ES8300

(48) INSTALL PRECAST CONCRETE PANELS PER SCRRA ENGINEERING STD ES4201, LAYOUT PER TRACK PLANS

(50) CONSTRUCT ASPHALT CONCRETE PAVEMENT AND RAMP PER SCRRA ENGINEERING STD ES4201

NOTE:

1. PEDESTRIAN FACILITIES AT VEHICLE CROSSINGS SHALL COMPLY WITH SCRRA ENGINEERING STANDARDS ES4011 AND ES4012, WHICHEVER IS APPLICABLE

EXHIBIT C-1

N

10 0 10 20

SCALE: 1″=10′

REV.	DATE		BY	SUB.	APP.

DESIGNED BY J. SONG
DRAWN BY W. STEBOK
CHECKED BY C. CHRISTOPLIS
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

STREET IMPROVEMENT
7TH STREET – MP 65.76 (9.03)
GRADE CROSSING LAYOUT

CONTRACT NO. 17-1001705
DRAWING NO. CR90102
REVISION | SHEET NO.
SCALE 1″=10′

$DATE$
$FILE$
$REVFULL$
$DELTORVL$
$USER$
$TIME$

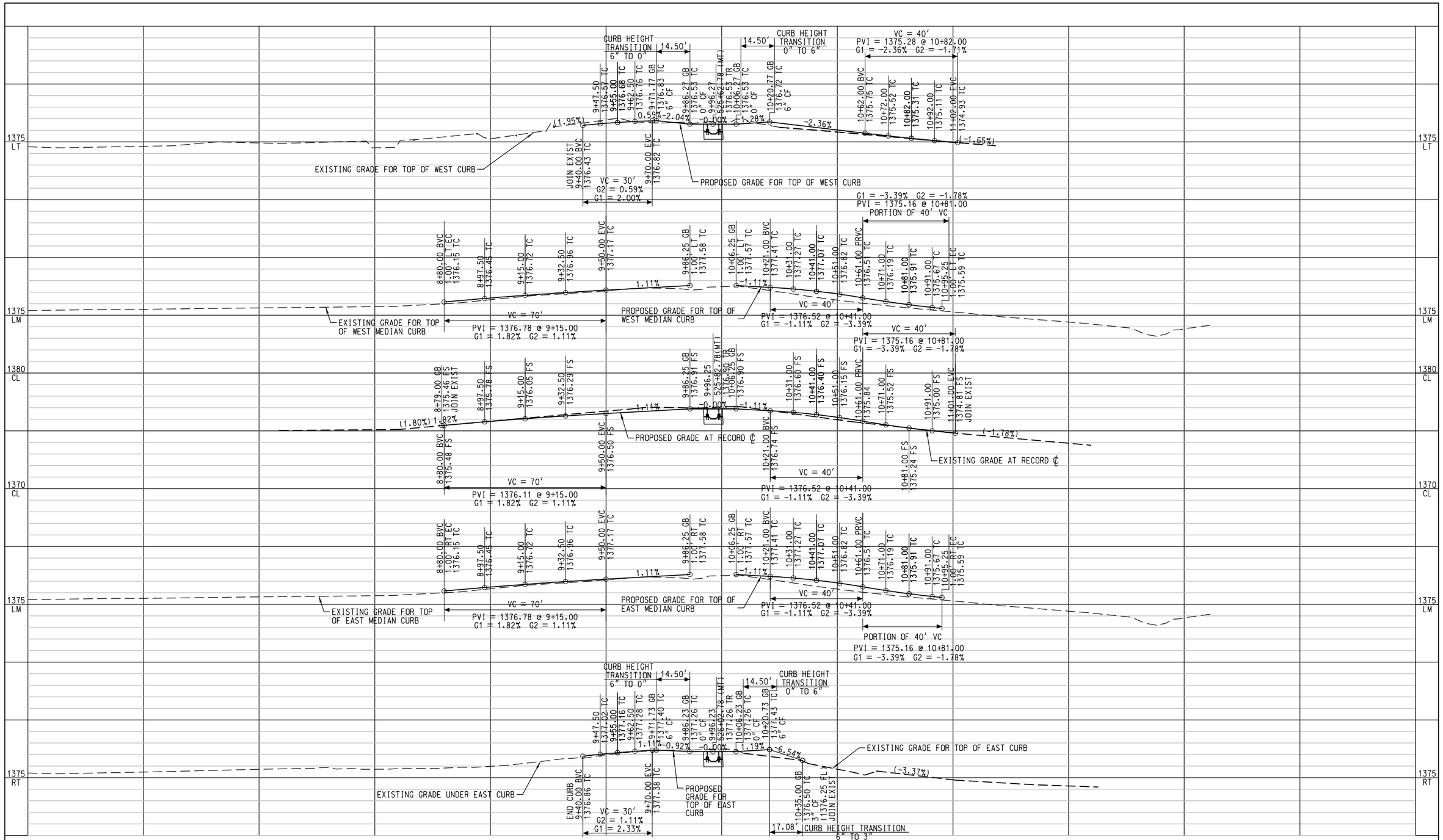


EXHIBIT D

$USER$
$TIME$
$DATE$
$FILEL$
$FILEL$
$FILEL$
$FILEL$

Redlands Regular Meeting of 09-20-2022

REV.	DATE		BY	SUB.	APP.

DESIGNED BY J. SONG
DRAWN BY W. STEBOK
CHECKED BY C. CHRISTOPLIS
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
7TH STREET – MP 65.76 (9.03)
PROFILE

CONTRACT NO. 17-1001705
DRAWING NO. CR90201
REVISION | SHEET NO.
SCALE 177 of 359 HORIZ 1"=20' VERT 1"=4'

CONSTRUCTION NOTES:

(3) SAWCUT EXISTING PAVEMENT

(4) COLD MILL EXISTING PAVEMENT AND CONSTRUCT 2" ASPHALT CONCRETE OVERLAY

(5) CONSTRUCT FULL AC PAVEMENT SECTION, DEPTHS OF AC AND AB PER SHEET CR00005

(10) CONSTRUCT STAMPED CONCRETE MEDIAN PAVEMENT, 4" PCC OVER 4" SAND FILL OVER 95% COMPACTED NATIVE MATERIAL

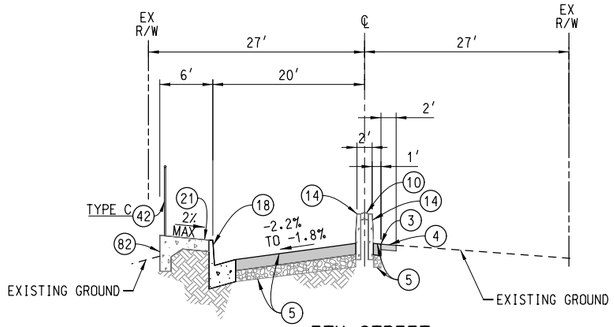
(14) CONSTRUCT 8" HIGH TYPE A1-8 CURB PER SPPWC STD PLAN NO. 120-2

(18) CONSTRUCT 6" HIGH TYPE A2-6 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2

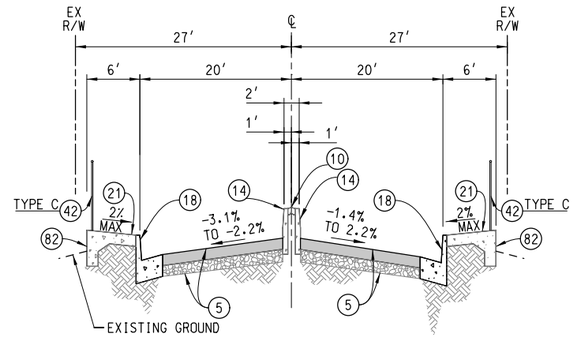
(21) CONSTRUCT 4" PCC SIDEWALK PER SPPWC STD PLAN NO. 113-2, WIDTH PER PLAN

(42) INSTALL METAL HAND RAILING PER SPPWC STD 606-4, TYPE PER PLAN

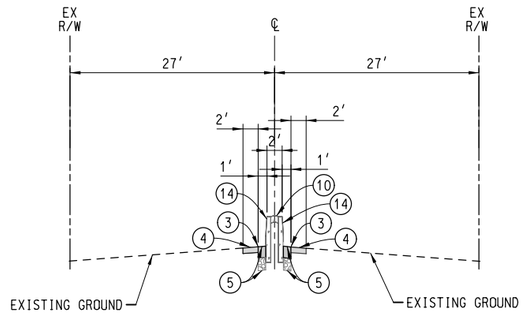
(82) INSTALL WALKWAY TURNDOWN SECTION PER DETAIL ON SHEET CR00006



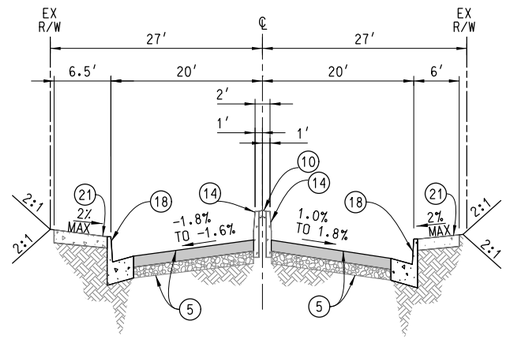
7TH STREET
NORTH OF CROSSING
10+35.00 TO 10+95.25
NTS



7TH STREET
NORTH OF CROSSING
10+06.25 TO 10+35.00
NTS



7TH STREET
SOUTH OF CROSSING
8+76.00 TO 9+40.00
NTS



7TH STREET
SOUTH OF CROSSING
NTS

EXHIBIT E

$USER$
$TIME$

$DATE$
$FILE1$
$FILE2$
$FILE3$
$FILE4$
$FILE5$
$FILE6$
$FILE7$
$OLDTDRVL$

Redlands Regular Meeting of 09-20-2022

REV.	DATE		BY SUB.	APP.

DESIGNED BY J. SONG
DRAWN BY W. STEBOK
CHECKED BY C. CHRISTOPLIS
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
7TH STREET – MP 65.76 (9.03)
TYPICAL SECTIONS

CONTRACT NO. 17-1001705
DRAWING NO. CR90301
REVISION | SHEET NO.
SCALE 178 of 359 1"=10'

CONSTRUCTION NOTES:

(21) CONSTRUCT 4" PCC SIDEWALK PER SPPWC STD PLAN NO. 113-2, WIDTH PER PLAN
(38) INSTALL AUTOMATED PEDESTRIAN GATE ARM, LENGTH PER PLAN
(39) INSTALL PEDESTRIAN SWING GATE PER SCRRA ENGINEERING STD ES4002, LAYOUT PER PLAN
(40) INSTALL ADA DETECTABLE WARNING SURFACE (RAISED TRUNCATED DOME), DIMENSIONS PER PLAN
(41) INSTALL METAL HAND RAILING PER SCRRA ENGINEERING STD ES4005
(42) INSTALL METAL HAND RAILING PER SPPWC STD 606-4, TYPE PER PLAN
(82) INSTALL WALKWAY TURNDOWN SECTION PER DETAIL ON SHEET CR00006

NOTES:

1. PEDESTRIAN FACILITIES AT VEHICLE CROSSINGS SHALL COMPLY WITH SCRRA ENGINEERING STANDARDS ES4011 AND ES4012, WHICHEVER IS APPLICABLE.
2. SEE ROADWAY LAYOUT SHEET FOR STATIONING.

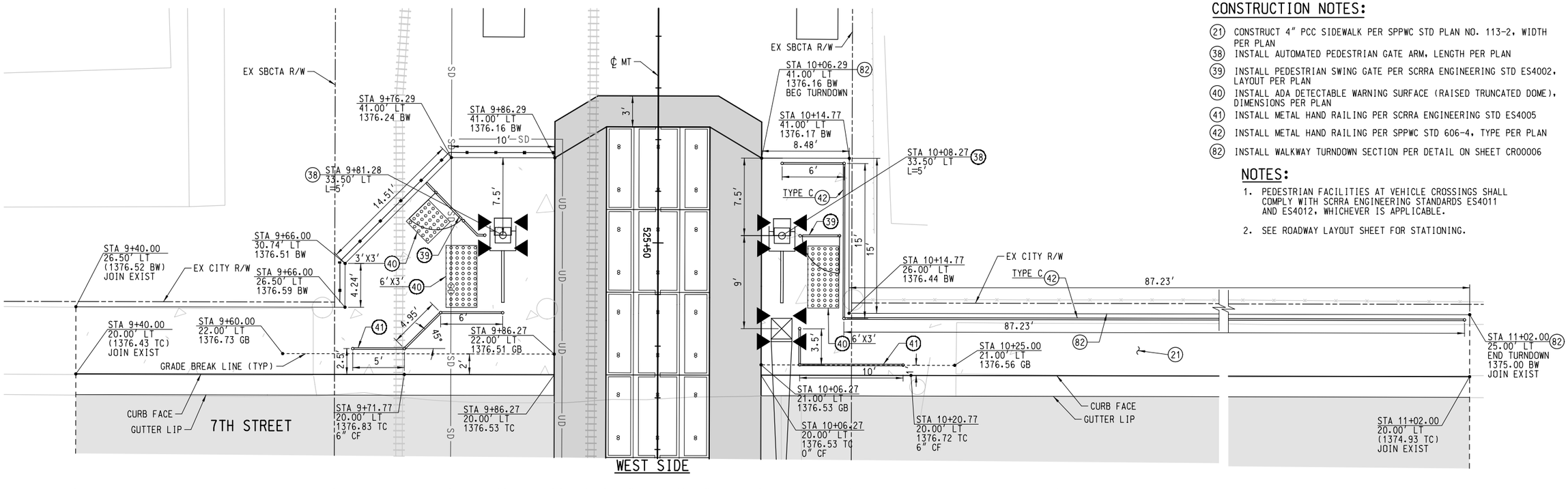


EXHIBIT C-2

SCALE: 1"=5'-0"

REV.	DATE		BY	SUB.	APP.		

DESIGNED BY J. SONG
DRAWN BY W. STEBOK
CHECKED BY C. CHRISTOPLIS
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

100% SUBMITTAL
NOT FOR CONSTRUCTION

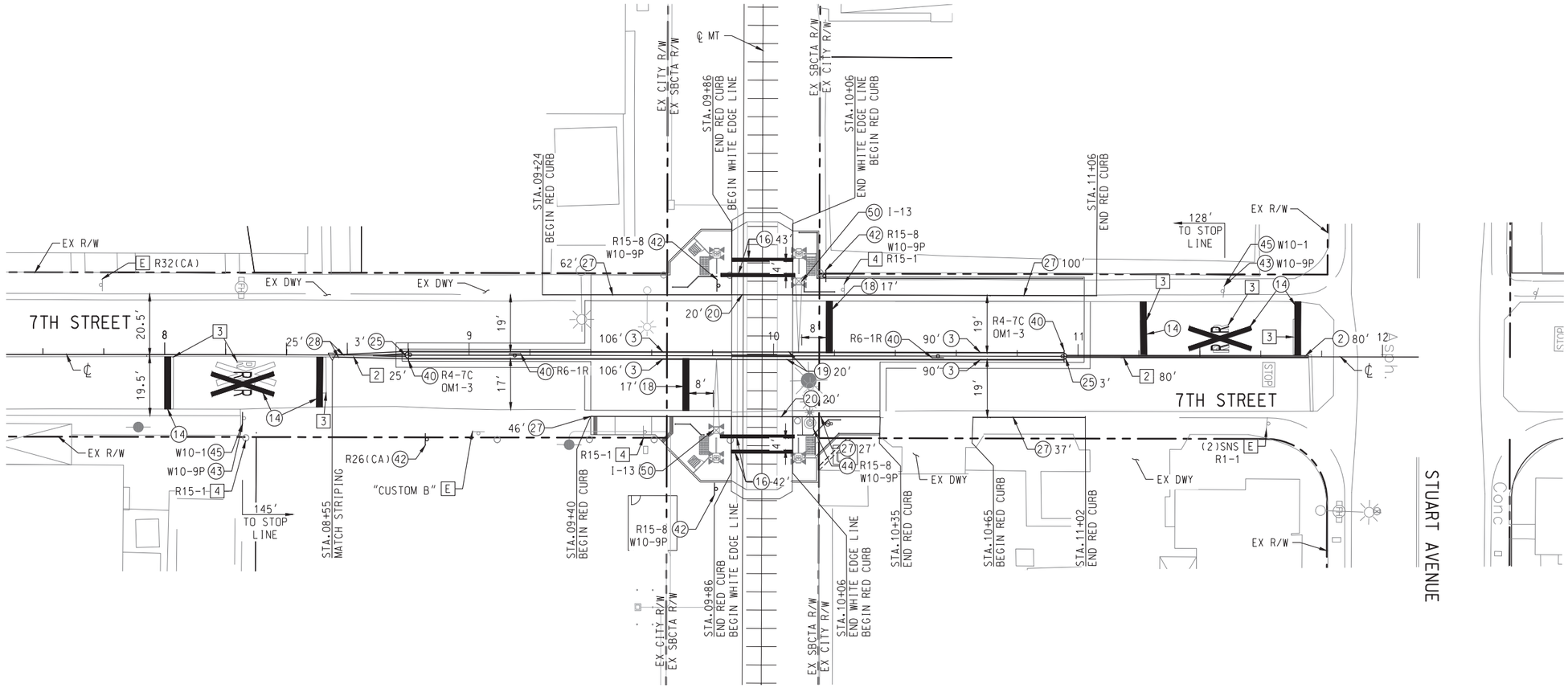
REDLANDS PASSENGER RAIL PROJECT

STREET IMPROVEMENT
7TH STREET – MP 65.76 (9.03)
GRADE CROSSING DETAILS

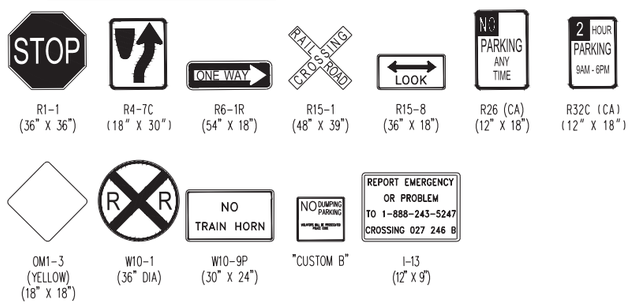
CONTRACT NO. 17-1001705
DRAWING NO. CR90401
REVISION | SHEET NO.
SCALE 1"=5'
179 of 359

$DATE$
$FILE$
$PLOTSCALE$
$PLOTDRVL$

$USER$
$TIME$



SIGNAGE REFERENCES:



CONSTRUCTION NOTES:

(2) APPLY 6" SOLID DOUBLE YELLOW LINES WITH RPMS PER CALTRANS 2015 STD PLAN A20A, DETAIL 22.
(3) APPLY 6" SOLID YELLOW EDGE LINE AROUND MEDIAN PER CALTRANS 2015 STD PLAN A20B, DETAIL 24.
(14) APPLY THERMOPLASTIC RAILROAD CROSSING SYMBOL PAVEMENT MARKING PER CALTRANS 2015 STD PLAN A24B, AND CA MUTCD FIGURES 8B-6 AND 8B-7.
(16) APPLY 12" SOLID THERMOPLASTIC WHITE CROSSWALK LINE OR LIMIT LINE PER CALTRANS 2015 STD PLAN A24E.
(18) APPLY 24" WHITE THERMOPLASTIC STOP LINE PER CA MUTCD SECTION 8B.28.
(19) APPLY 4" DOUBLE YELLOW MEDIAN LINES WITH RPMS SPACED 4' OC PER METROLINK STD PLAN 4015.
(20) APPLY 6" WHITE EDGE LINE WITH RPMS SPACED 4' OC.
(25) PAINT MEDIAN NOSE YELLOW WITH TYPE "D" RPMS 2' OC.
(27) PAINT CURB RED.
(28) APPLY 6" DOUBLE YELLOW LINES WITH RPMS PER CALTRANS STD PLAN A20B, DETAIL 29.
(40) INSTALL SIGN AND POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE 3.5' ABOVE FINISH SURFACE.
(42) INSTALL SIGN AND POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE A MINIMUM 7' ABOVE FINISHED GRADE.
(43) INSTALL SIGN ON EXISTING SIGN POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE A MINIMUM OF 7' ABOVE FINISH SURFACE.
(44) INSTALL SIGN ON STREET LIGHT POLE AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE A MINIMUM OF 7' ABOVE FINISH SURFACE.
(45) REPLACE SIGN ON EXISTING SIGN POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE A MINIMUM OF 7' ABOVE FINISH SURFACE.
(50) INSTALL SIGN ON EXISTING GATE MECHANISM.

REMOVAL NOTES:

[2] REMOVE EXISTING STRIPING.
[3] REMOVE EXISTING PAVEMENT MARKING.
[4] REMOVE EXISTING SIGN AND POST.
[E] EXISTING TO REMAIN.

GENERAL NOTES:

7TH STREET POSTED SPEED LIMIT 30 MPH.

EXHIBIT B-2

SEE CIVIL SHEETS FOR CURB, RAMP, MEDIAN AND SIDEWALK IMPROVEMENTS

N
20 0 20 40
SCALE: 1"=20'

REV.	DATE	BY	SUB.	APP.

DESIGNED BY B. SCHLUETER
DRAWN BY B. SCHLUETER
CHECKED BY N. MINICILLI
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

STC TRAFFIC
5865 AVENIDA ENCINAS, #142-B
CARLSBAD, CA 92008
PH: 760-602-4290
WWW.STCTRAFFIC.COM

APPROVED: _____

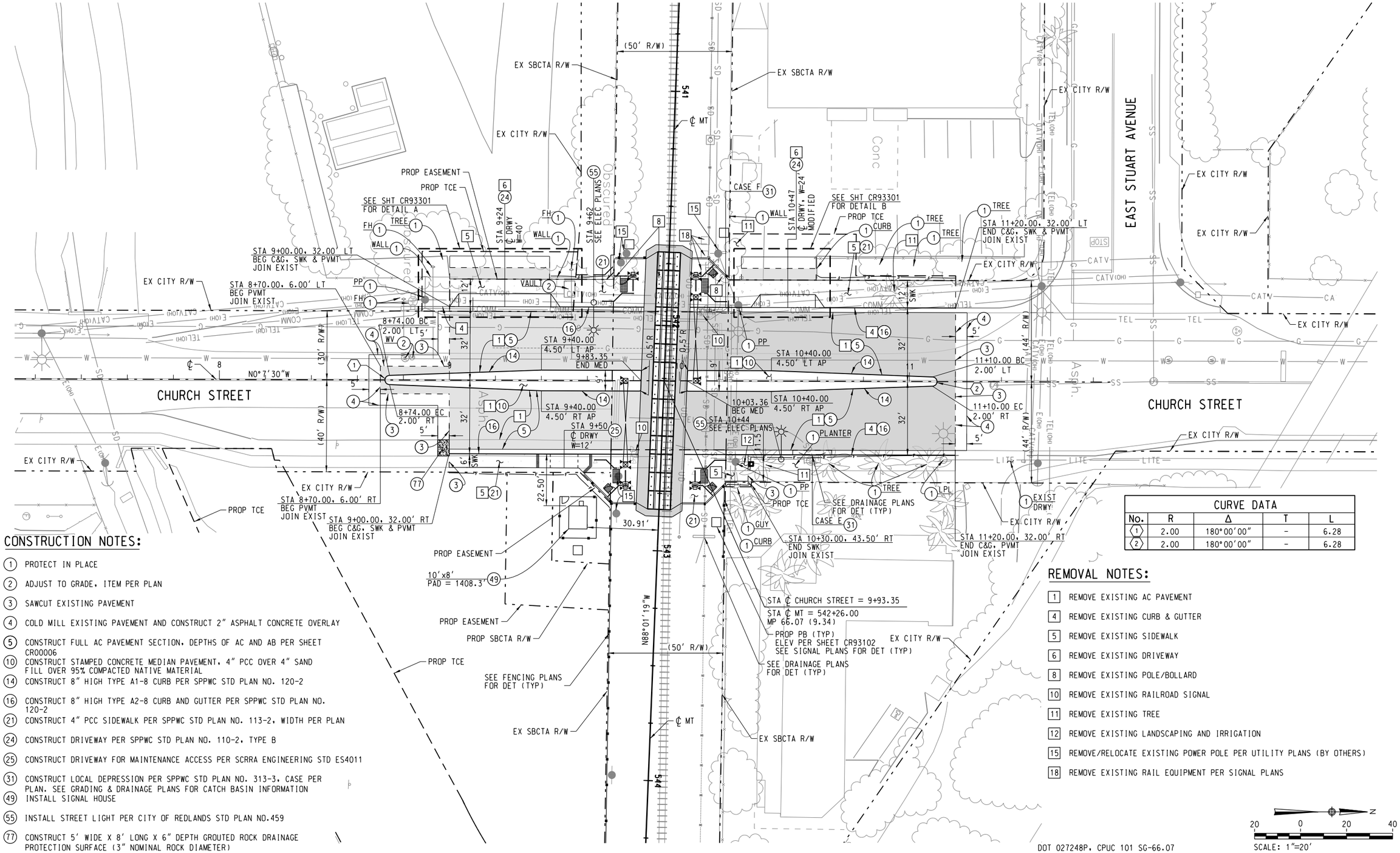
100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
7TH STREET - MP 65.76 (9.03)
SIGNING AND STRIPING

CONTRACT NO. C15-1001093
DRAWING NO. CR90501
REVISION | SHEET NO.
SCALE HORIZ 1"=20'

12/20/2017 2:48 PM christian lamborth
s:\projects\tor\0398_redlands passenger rail design project\07_engineering\cadd\div\26495-06-cr90501.dwg
sdd_sht.ctb



CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST TO GRADE, ITEM PER PLAN
3. SAWCUT EXISTING PAVEMENT
4. COLD MILL EXISTING PAVEMENT AND CONSTRUCT 2" ASPHALT CONCRETE OVERLAY
5. CONSTRUCT FULL AC PAVEMENT SECTION, DEPTHS OF AC AND AB PER SHEET CR00006
10. CONSTRUCT STAMPED CONCRETE MEDIAN PAVEMENT, 4" PCC OVER 4" SAND FILL OVER 95% COMPACTED NATIVE MATERIAL
14. CONSTRUCT 8" HIGH TYPE A1-8 CURB PER SPPWC STD PLAN NO. 120-2
16. CONSTRUCT 8" HIGH TYPE A2-8 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2
21. CONSTRUCT 4" PCC SIDEWALK PER SPPWC STD PLAN NO. 113-2, WIDTH PER PLAN
24. CONSTRUCT DRIVEWAY PER SPPWC STD PLAN NO. 110-2, TYPE B
25. CONSTRUCT DRIVEWAY FOR MAINTENANCE ACCESS PER SCRRA ENGINEERING STD ES4011
31. CONSTRUCT LOCAL DEPRESSION PER SPPWC STD PLAN NO. 313-3, CASE PER PLAN. SEE GRADING & DRAINAGE PLANS FOR CATCH BASIN INFORMATION
49. INSTALL SIGNAL HOUSE
55. INSTALL STREET LIGHT PER CITY OF REDLANDS STD PLAN NO.459
77. CONSTRUCT 5' WIDE X 8' LONG X 6" DEPTH GROUTED ROCK DRAINAGE PROTECTION SURFACE (3" NOMINAL ROCK DIAMETER)

CURVE DATA				
No.	R	Δ	T	L
1	2.00	180°00'00"	-	6.28
2	2.00	180°00'00"	-	6.28

REMOVAL NOTES:

1. REMOVE EXISTING AC PAVEMENT
4. REMOVE EXISTING CURB & GUTTER
5. REMOVE EXISTING SIDEWALK
6. REMOVE EXISTING DRIVEWAY
8. REMOVE EXISTING POLE/BOLLARD
10. REMOVE EXISTING RAILROAD SIGNAL
11. REMOVE EXISTING TREE
12. REMOVE EXISTING LANDSCAPING AND IRRIGATION
15. REMOVE/RELOCATE EXISTING POWER POLE PER UTILITY PLANS (BY OTHERS)
18. REMOVE EXISTING RAIL EQUIPMENT PER SIGNAL PLANS

DOT 027248P, CPUC 101 SG-66.07

20 0 20 40
SCALE: 1"=20'

REV.	DATE		BY	SUB.	APP.

DESIGNED BY J. SONG
DRAWN BY W. STEBOK
CHECKED BY C. CHRISTOPLIS
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

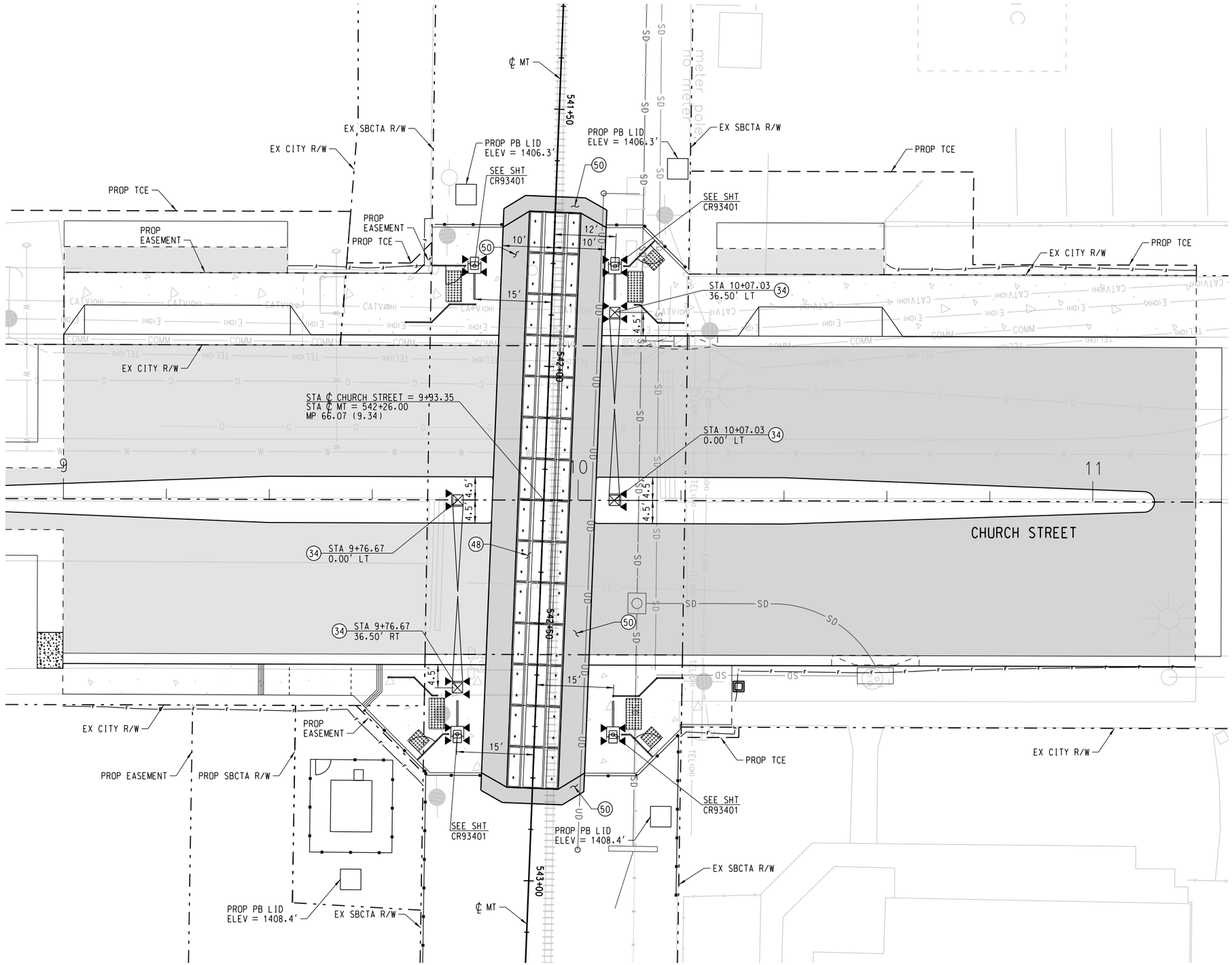
100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
CHURCH STREET – MP 66.07 (9.34)
LAYOUT

CONTRACT NO. 17-1001705
DRAWING NO. CR93101
REVISION | SHEET NO.
SCALE 1"=20'
181 of 359

12/19/2017 9:18:53 AM OMAP-INPICS01$
\\OMAP-INPICS01\CS(ps-PDF)_923\883953_53\264495-06-CR93101.DGN
C:\Users\cstoplis\Documents\Working Folder\883953_53\ABC\CS-HALF-10.plt
C:\Program Files (x86)\Common Files\InterPlot\IPLOT\bin\iplotdrvm.plt



CONSTRUCTION NOTES:

(34) INSTALL CPUC STD NO. 9 ACTIVE WARNING DEVICE PER SCRRA ENGINEERING STD ES8300
(48) INSTALL PRECAST CONCRETE PANELS PER SCRRA ENGINEERING STD ES4201, LAYOUT PER TRACK PLANS
(50) CONSTRUCT ASPHALT CONCRETE PAVEMENT AND RAMP PER SCRRA ENGINEERING STD ES4201

NOTE:

1. PEDESTRIAN FACILITIES AT VEHICLE CROSSINGS SHALL COMPLY WITH SCRRA ENGINEERING STANDARDS ES4011 AND ES4012, WHICHEVER IS APPLICABLE.

N
10 0 10 20
SCALE: 1"=10'

REV.	DATE	BY	SUB.	APP.

DESIGNED BY J. SONG
DRAWN BY W. STEBOK
CHECKED BY C. CHRISTOPLIS
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

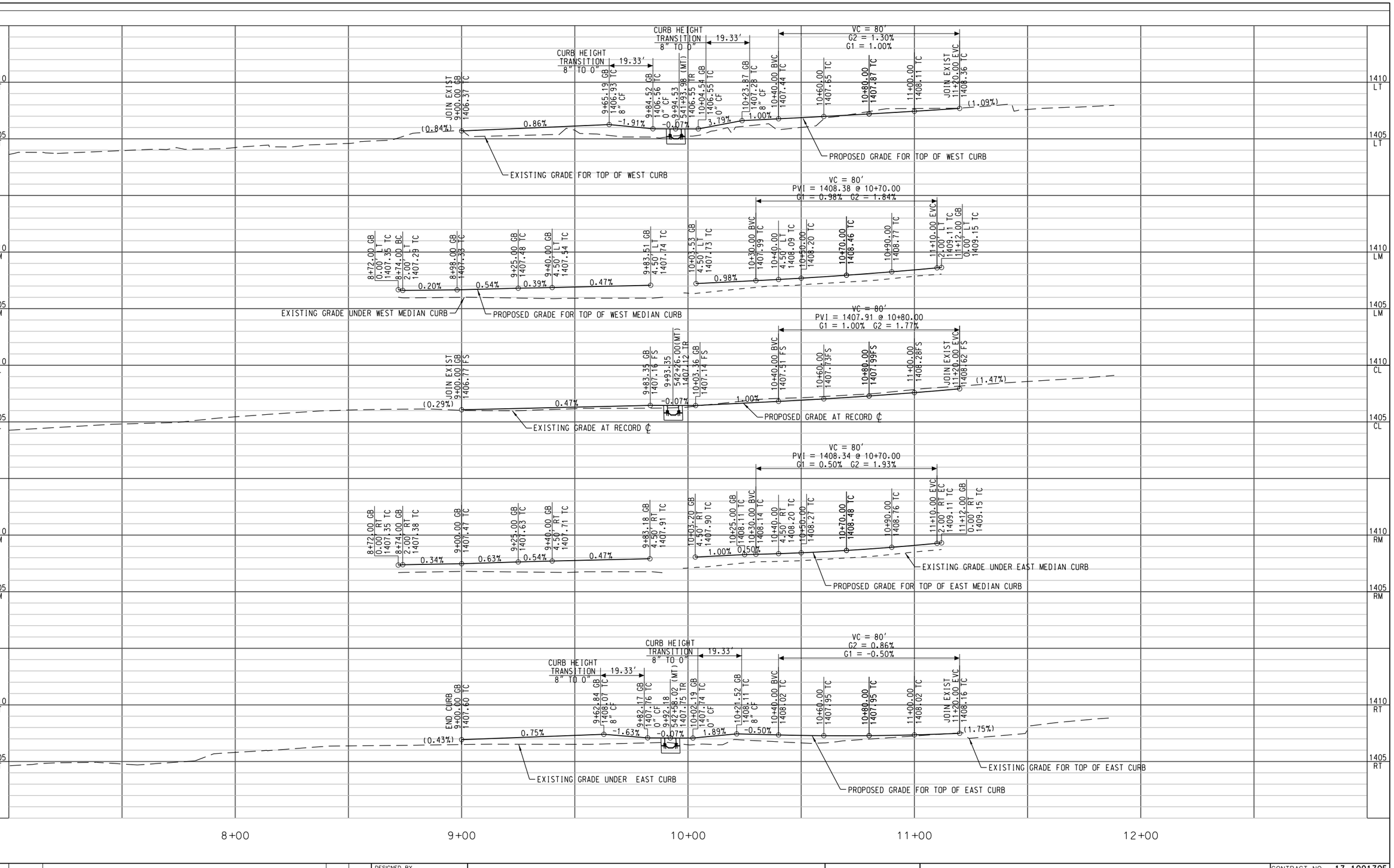
100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
CHURCH STREET – MP 66.07 (9.34)
GRADE CROSSING LAYOUT

CONTRACT NO. 17-1001705
DRAWING NO. CR93102
REVISION
SHEET NO.
SCALE 1"=10'

12/19/2017 9:19:32 AM OMAP-INPICS02$
O:\OMAP-INPICS01\CS\pdf\9231883953.693\26495-06-CR93102.DGN
C:\Users\wstebok\Documents\26495-06-CR93102_WSTEBOK.dgn
E:\Program Files (x86)\Common Files\InterPlot\IPLOT\bin\iplotdrvm.plt



OMAP-INPICS02$
9:18:22 AM
12/19/2017
\\OMAP-INPICS01\CIS\Projects\823\883953_54\26495-06-CR93201.DGN
\\Powerking sec (3716E)\SANBAG (CS-HALL)\Projects\Interplot\INPLOT\bin\plotdrvm.plt
\\Program Files (x86)\Common Files\InterPlot\INPLOT\bin\plotdrvm.plt

REV.	DATE	BY	SUB.	APP.

DESIGNED BY	J. SONG
DRAWN BY	W. STEBOK
CHECKED BY	C. CHRISTOPLIS
APPROVED BY	R. KLOVSKY
DATE	12-20-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
CHURCH STREET – MP 66.07 (9.34)
PROFILE

CONTRACT NO.	17-1001705
DRAWING NO.	CR93201
REVISION	SHEET NO.
SCALE	HORIZ 1"=20' VERT 1"=4'

Redlands Regular Meeting of 09-20-2022

CONSTRUCTION NOTES:

(1) PROTECT IN PLACE

(2) ADJUST TO GRADE, ITEM PER PLAN

(3) SAWCUT EXISTING PAVEMENT

(4) COLD MILL EXISTING PAVEMENT AND CONSTRUCT 2" ASPHALT CONCRETE OVERLAY

(5) CONSTRUCT FULL AC PAVEMENT SECTION, DEPTHS OF AC AND AB PER SHEET CR00005

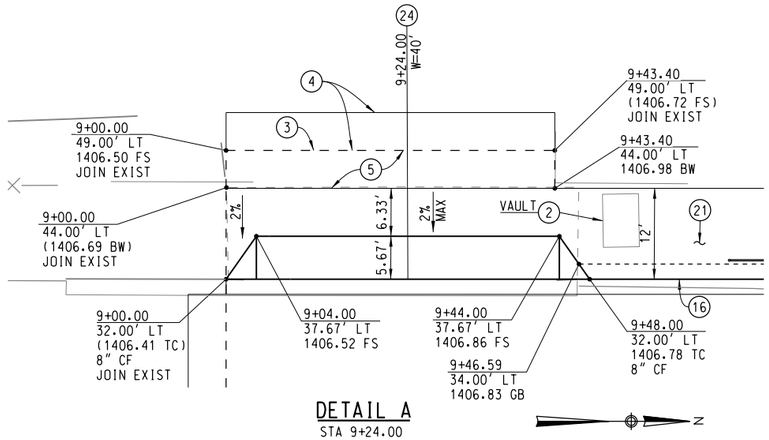
(10) CONSTRUCT STAMPED CONCRETE MEDIAN PAVEMENT, 4" PCC OVER 4" SAND FILL OVER 95% COMPACTED NATIVE MATERIAL

(14) CONSTRUCT 8" HIGH TYPE A1-8 CURB PER SPPWC STD PLAN NO. 120-2

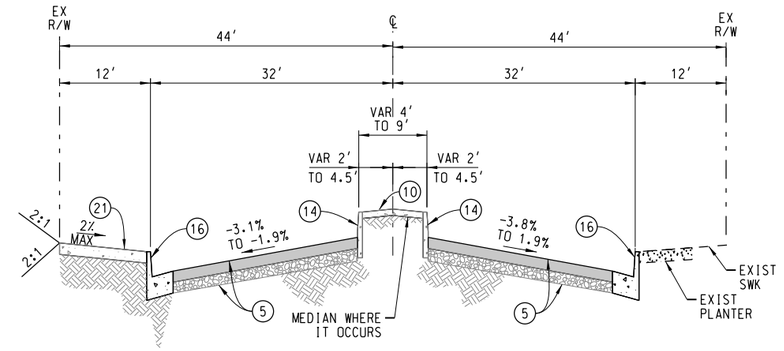
(16) CONSTRUCT 8" HIGH TYPE A2-8 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2

(21) CONSTRUCT 4" PCC SIDEWALK PER SPPWC STD PLAN NO. 113-2, WIDTH PER PLAN

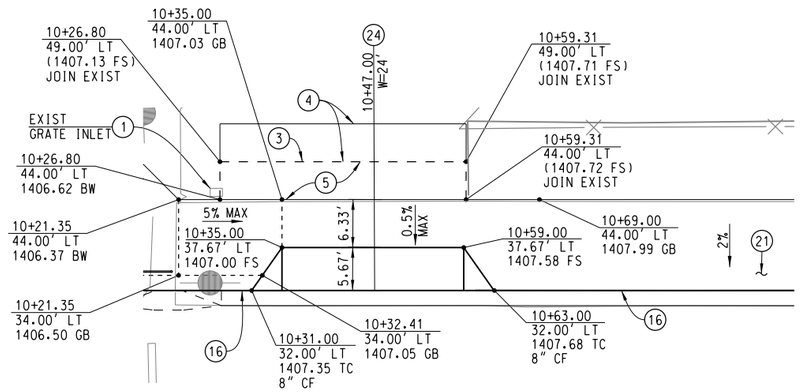
(24) CONSTRUCT DRIVEWAY PER SPPWC STD PLAN NO. 110-2, TYPE B



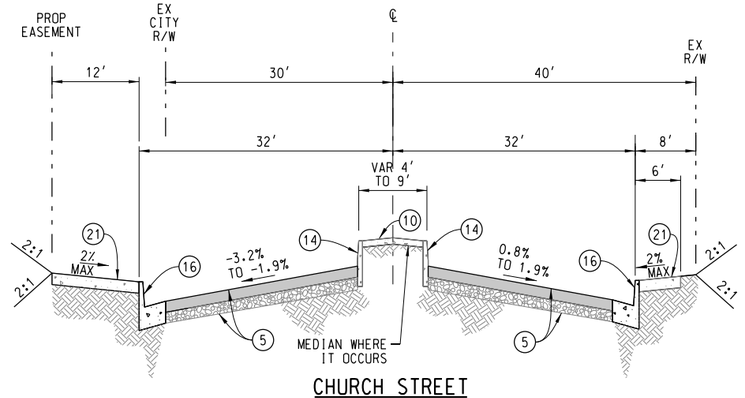
DETAIL A
STA 9+24.00



CHURCH STREET
NORTH OF CROSSING



DETAIL B
STA 10+47.00



CHURCH STREET
SOUTH OF CROSSING

REV.	DATE	BY	SUB.	APP.

DESIGNED BY	J. SONG
DRAWN BY	W. STEBOK
CHECKED BY	C. CHRISTOPLIS
APPROVED BY	R. KLOVSKY
DATE	12-20-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

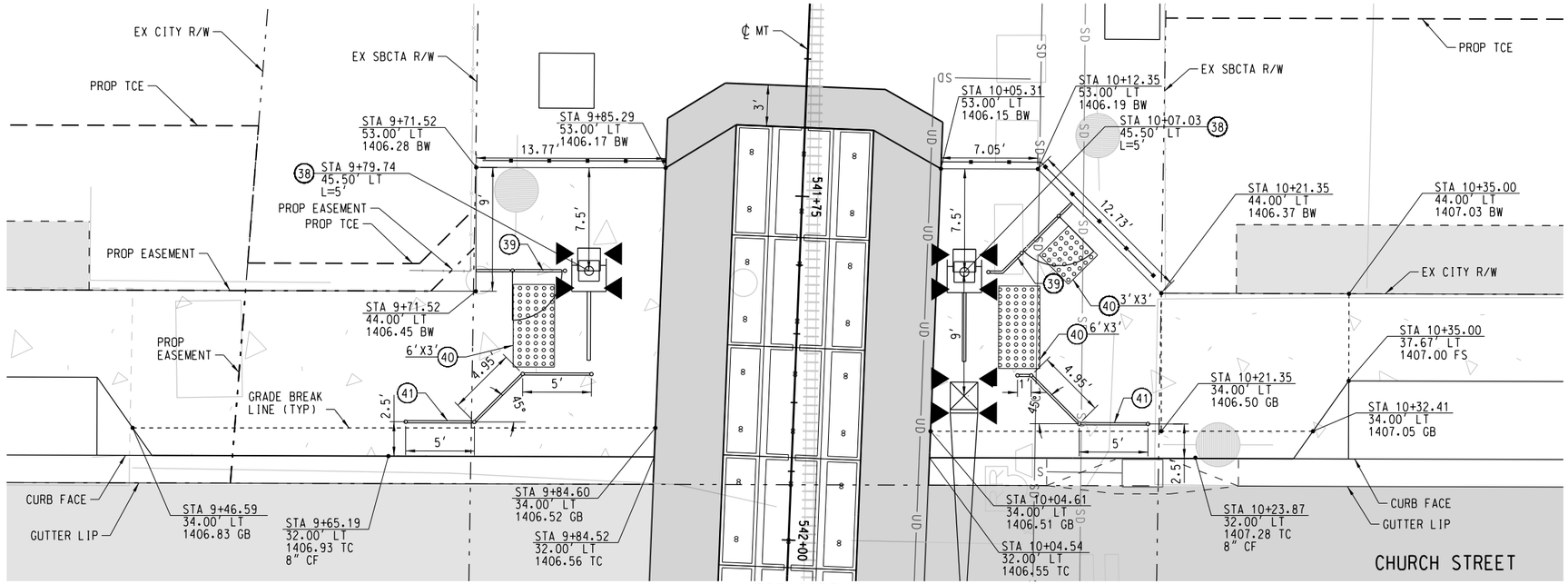
100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

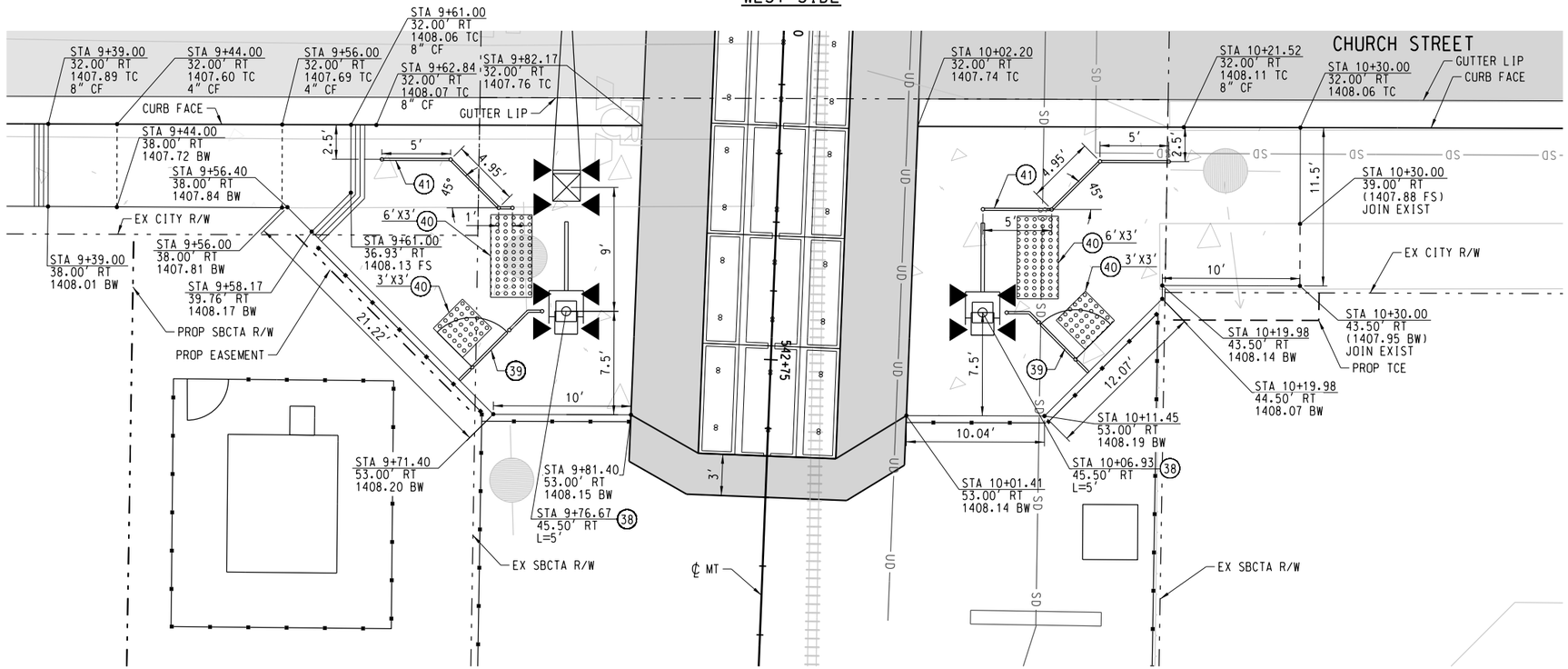
ROADWAY IMPROVEMENT
CHURCH STREET – MP 66.07 (9.34)
TYPICAL SECTION & CONSTRUCTION DETAILS

CONTRACT NO.	17-1001705
DRAWING NO.	CR93301
REVISION	SHEET NO.
SCALE	1"=10'

12/19/2017 9:19:36 AM OMAP-INPICS01$
O:\OMAP-INPICS01\CS\e_PDF\923\883953_68126495-06-CR93301.DGN
User:king
Server:\\OMAP-INPICS01\CS\e_PDF\923\883953_68126495-06-CR93301.DGN
M:\Program Files (x86)\Common Files\InterPlot\INPLOT\bin\plotdrvm.plt



WEST SIDE



EAST SIDE

CONSTRUCTION NOTES:

(38) INSTALL CPUC STD NO. 9 PEDESTRIAN AUTOMATIC WARNING DEVICE WITH GATE ARM PER SCRRA ENGINEERING STD ES8300, LENGTH PER PLAN
(39) INSTALL PEDESTRIAN SWING GATE PER SCRRA ENGINEERING STD ES4002, LAYOUT PER PLAN
(40) INSTALL ADA DETECTABLE WARNING SURFACE (RAISED TRUNCATED DOME), DIMENSIONS PER PLAN
(41) INSTALL METAL HAND RAILING PER SCRRA ENGINEERING STD ES4005

NOTES:

1. PEDESTRIAN FACILITIES AT VEHICLE CROSSINGS SHALL COMPLY WITH SCRRA ENGINEERING STANDARDS ES4011 AND ES4012, WHICHEVER IS APPLICABLE.
2. SEE ROADWAY LAYOUT SHEET FOR STATIONING.

N

5 0 5 10

SCALE: 1"=5'-0"

12/19/2017
I:\OMAP-INPICS01\CS\ePDF\923\883953_270_26495-06-CR93401.DGN
9:20:40 AM
OMAP-INPICS01$
I:\OMAP-INPICS01\CS\Working\CD\25\SANBAG\CS-HAT_26495-06-CR93401.dgn
I:\Program Files (x86)\Common Files\InterPlot\IPLOT\bin\iplotdrvm.plt

REV.	DATE	BY	SUB.	APP.

DESIGNED BY J. SONG
DRAWN BY W. STEBOK
CHECKED BY C. CHRISTOPLIS
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

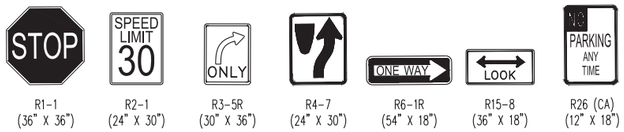
100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
CHURCH STREET – MP 66.07 (9.34)
GRADE CROSSING DETAILS

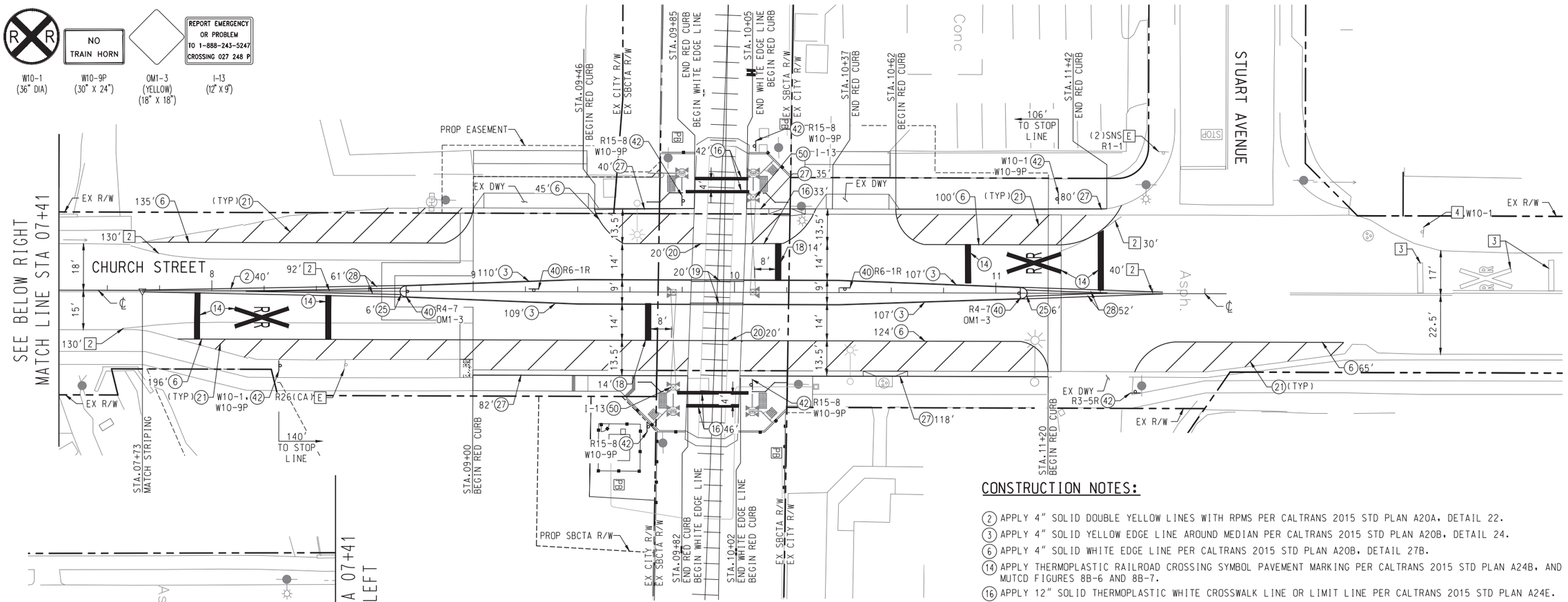
CONTRACT NO. 17-1001705
DRAWING NO. CR93401
REVISION | SHEET NO.
SCALE 1"=5'

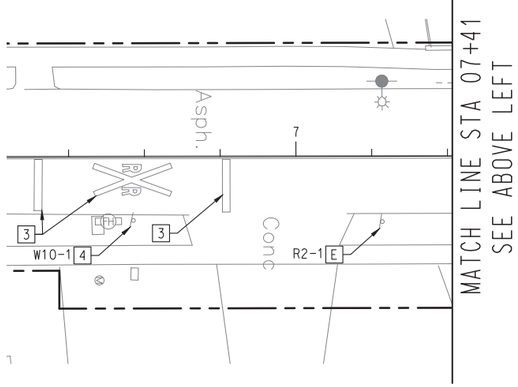
SIGNAGE REFERENCES:



GENERAL NOTES:

CHURCH STREET POSTED SPEED LIMIT 30 MPH.





REMOVAL NOTES:

2 REMOVE EXISTING STRIPING.
3 REMOVE EXISTING PAVEMENT MARKING.
4 REMOVE EXISTING SIGN AND POST.
E EXISTING TO REMAIN.

CONSTRUCTION NOTES:

(2) APPLY 4" SOLID DOUBLE YELLOW LINES WITH RPMS PER CALTRANS 2015 STD PLAN A20A, DETAIL 22.
(3) APPLY 4" SOLID YELLOW EDGE LINE AROUND MEDIAN PER CALTRANS 2015 STD PLAN A20B, DETAIL 24.
(6) APPLY 4" SOLID WHITE EDGE LINE PER CALTRANS 2015 STD PLAN A20B, DETAIL 27B.
(14) APPLY THERMOPLASTIC RAILROAD CROSSING SYMBOL PAVEMENT MARKING PER CALTRANS 2015 STD PLAN A24B, AND CA MUTCD FIGURES 8B-6 AND 8B-7.
(16) APPLY 12" SOLID THERMOPLASTIC WHITE CROSSWALK LINE OR LIMIT LINE PER CALTRANS 2015 STD PLAN A24E.
(18) APPLY 24" WHITE THERMOPLASTIC STOP LINE PER CA MUTCD SECTION 8B.28.
(19) APPLY 4" DOUBLE YELLOW MEDIAN LINES WITH RPMS SPACED 4' OC PER METROLINK STD PLAN 4015.
(20) APPLY 4" WHITE EDGE LINE WITH RPMS SPACED 4' OC.
(21) APPLY 4" SOLID WHITE DIAGONAL STRIPE AT 10' OC.
(25) PAINT MEDIAN NOSE YELLOW WITH TYPE "D" RPMS 2' OC.
(27) PAINT CURB RED.
(28) APPLY 4" DOUBLE YELLOW LINES WITH RPMS PER CALTRANS STD PLAN A20B, DETAIL 29.
(40) INSTALL SIGN AND POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE 3.5' ABOVE FINISH SURFACE.
(42) INSTALL SIGN AND POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE A MINIMUM 7' ABOVE FINISHED GRADE.
(50) INSTALL SIGN ON EXISTING GATE MECHANISM.

SEE CIVIL SHEETS FOR CURB, RAMP, MEDIAN AND SIDEWALK IMPROVEMENTS

N

20 0 20 40
SCALE: 1"=20'

REV.	DATE	BY	SUB.	APP.

DESIGNED BY B. SCHLUETER
DRAWN BY B. SCHLUETER
CHECKED BY N. MINICILLI
APPROVED BY R. KLOVSKY
DATE 12-20-2017

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

STC TRAFFIC
5865 AVENIDA ENCINAS, #142-B
CARLSBAD, CA 92008
PH: 760-602-4290
WWW.STCTRAFFIC.COM

APPROVED: _____

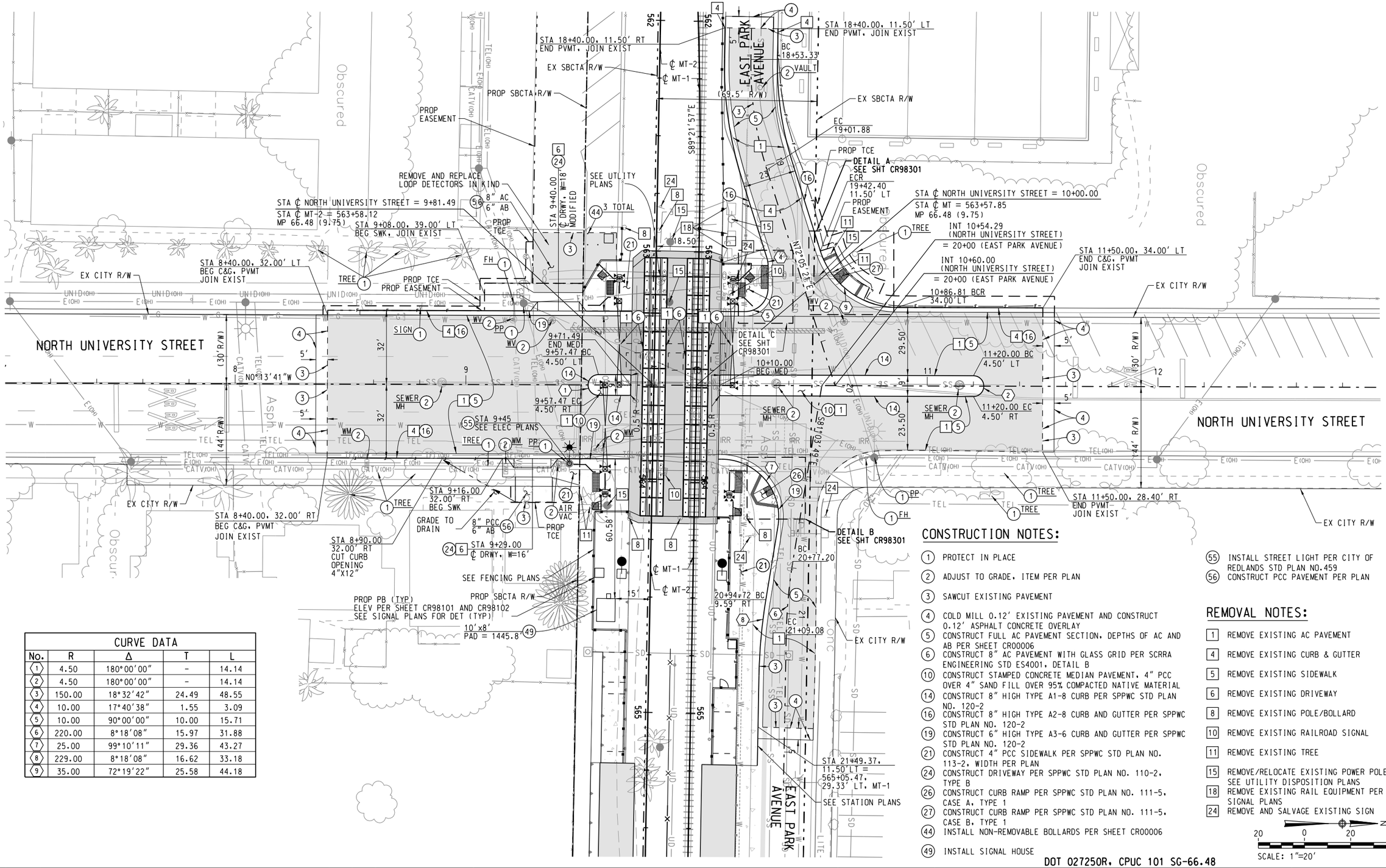
100% SUBMITTAL
NOT FOR CONSTRUCTION

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
CHURCH STREET - MP 66.07 (9.34)
SIGNING AND STRIPING

CONTRACT NO. C15-1001093
DRAWING NO. CR93501
REVISION | SHEET NO.
SCALE HORIZ 1"=20'

12/20/2017 2:48 PM brandon schlueter
s:\projects\hdr\0398_redlands passenger rail design project\07_engineering\cadd\div\26495-06-cr93501.dwg
sc0ntrol.ctb



CURVE DATA				
No.	R	Δ	T	L
1	4.50	180°00'00"	-	14.14
2	4.50	180°00'00"	-	14.14
3	150.00	18°32'42"	24.49	48.55
4	10.00	17°40'38"	1.55	3.09
5	10.00	90°00'00"	10.00	15.71
6	220.00	8°18'08"	15.97	31.88
7	25.00	99°10'11"	29.36	43.27
8	229.00	8°18'08"	16.62	33.18
9	35.00	72°19'22"	25.58	44.18

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST TO GRADE, ITEM PER PLAN
3. SAWCUT EXISTING PAVEMENT
4. COLD MILL 0.12' EXISTING PAVEMENT AND CONSTRUCT 0.12' ASPHALT CONCRETE OVERLAY
5. CONSTRUCT FULL AC PAVEMENT SECTION, DEPTHS OF AC AND AB PER SHEET CR00006
6. CONSTRUCT 8" AC PAVEMENT WITH GLASS GRID PER SCRRA ENGINEERING STD ES4001, DETAIL B
10. CONSTRUCT STAMPED CONCRETE MEDIAN PAVEMENT, 4" PCC OVER 4" SAND FILL OVER 95% COMPACTED NATIVE MATERIAL
14. CONSTRUCT 8" HIGH TYPE A1-8 CURB PER SPPWC STD PLAN NO. 120-2
16. CONSTRUCT 8" HIGH TYPE A2-8 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2
19. CONSTRUCT 6" HIGH TYPE A3-6 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2
21. CONSTRUCT 4" PCC SIDEWALK PER SPPWC STD PLAN NO. 113-2, WIDTH PER PLAN
24. CONSTRUCT DRIVEWAY PER SPPWC STD PLAN NO. 110-2, TYPE B
26. CONSTRUCT CURB RAMP PER SPPWC STD PLAN NO. 111-5, CASE A, TYPE 1
27. CONSTRUCT CURB RAMP PER SPPWC STD PLAN NO. 111-5, CASE B, TYPE 1
44. INSTALL NON-REMOVABLE BOLLARDS PER SHEET CR00006
49. INSTALL SIGNAL HOUSE
55. INSTALL STREET LIGHT PER CITY OF REDLANDS STD PLAN NO.459
56. CONSTRUCT PCC PAVEMENT PER PLAN

REMOVAL NOTES:

1. REMOVE EXISTING AC PAVEMENT
4. REMOVE EXISTING CURB & GUTTER
5. REMOVE EXISTING SIDEWALK
6. REMOVE EXISTING DRIVEWAY
8. REMOVE EXISTING POLE/BOLLARD
10. REMOVE EXISTING RAILROAD SIGNAL
11. REMOVE EXISTING TREE
15. REMOVE/RELOCATE EXISTING POWER POLE, SEE UTILITY DISPOSITION PLANS
18. REMOVE EXISTING RAIL EQUIPMENT PER SIGNAL PLANS
24. REMOVE AND SALVAGE EXISTING SIGN

20 0 20 40
SCALE: 1"=20'

DOT 027250R, CPUC 101 SG-66.48

5/24/2018 10:15:33 AM
OMAP-INPICS01\CS15\PDF\227181_883953_48_264495-06-CR98101.DGN
OMAP-INPICS02$
Powered by Bluebeam Revu 17.0 (64-bit) Build 17.0.45.0
C:\Program Files (x86)\Common Files\InterPlot\PLOT\bin\plotdrvm.plt

REV.	DATE	BY	SUB.	APP.

DESIGNED BY J. SONG
DRAWN BY J. KUO
CHECKED BY J. BROWN
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

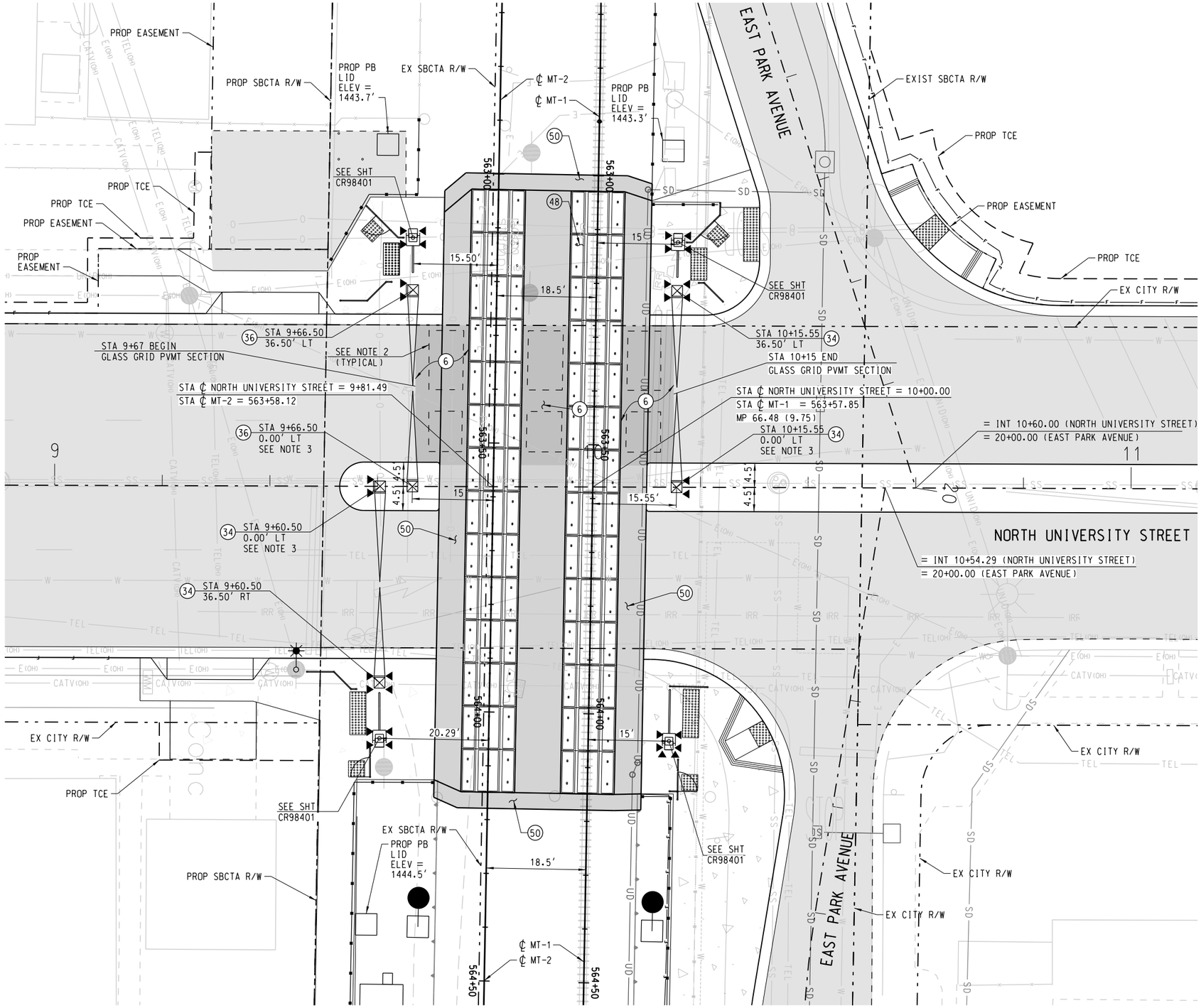
HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

REGISTERED PROFESSIONAL ENGINEER JIANSHENG SONG No. 71849 Exp. 12/31/19 CIVIL STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
N. UNIVERSITY STREET – MP 66.48 (9.75)
LAYOUT

CONTRACT NO. 17-1001705
DRAWING NO. CR98101
REVISION | SHEET NO.
SCALE 1"=20'



CONSTRUCTION NOTES:

(6) CONSTRUCT 8" AC PAVEMENT WITH GLASS GRID PER SCRRA ENGINEERING STD ES4001, DETAIL B
(34) INSTALL CPUC STD NO. 9 ACTIVE WARNING DEVICE PER SCRRA ENGINEERING STD ES8300
(36) INSTALL CPUC STD NO. 9E ACTIVE WARNING DEVICE PER SCRRA ENGINEERING STD ES8300
(48) INSTALL PRECAST CONCRETE PANELS PER SCRRA ENGINEERING STD ES4201, LAYOUT PER TRACK PLANS
(50) CONSTRUCT ASPHALT CONCRETE PAVEMENT AND RAMP PER SCRRA ENGINEERING STD ES4201

NOTES:

1. PEDESTRIAN FACILITIES AT VEHICLE CROSSINGS SHALL COMPLY WITH SCRRA ENGINEERING STANDARDS ES4011 AND ES4012, WHICHEVER IS APPLICABLE.
2. INSTALL VEHICLE DETECTION LOOPS PER SCRRA ENGINEERING STANDARDS ES4001 AND ES8405.
3. PROTECT UTILITY - USE SHALLOW FOUNDATION.

N

10 0 10 20

SCALE: 1"=10'

REV.	DATE		BY SUB.	APP.

DESIGNED BY J. SONG
DRAWN BY J. KUO
CHECKED BY J. BROWN
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

REGISTERED PROFESSIONAL ENGINEER
JIANHENG SONG
No. 71849
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

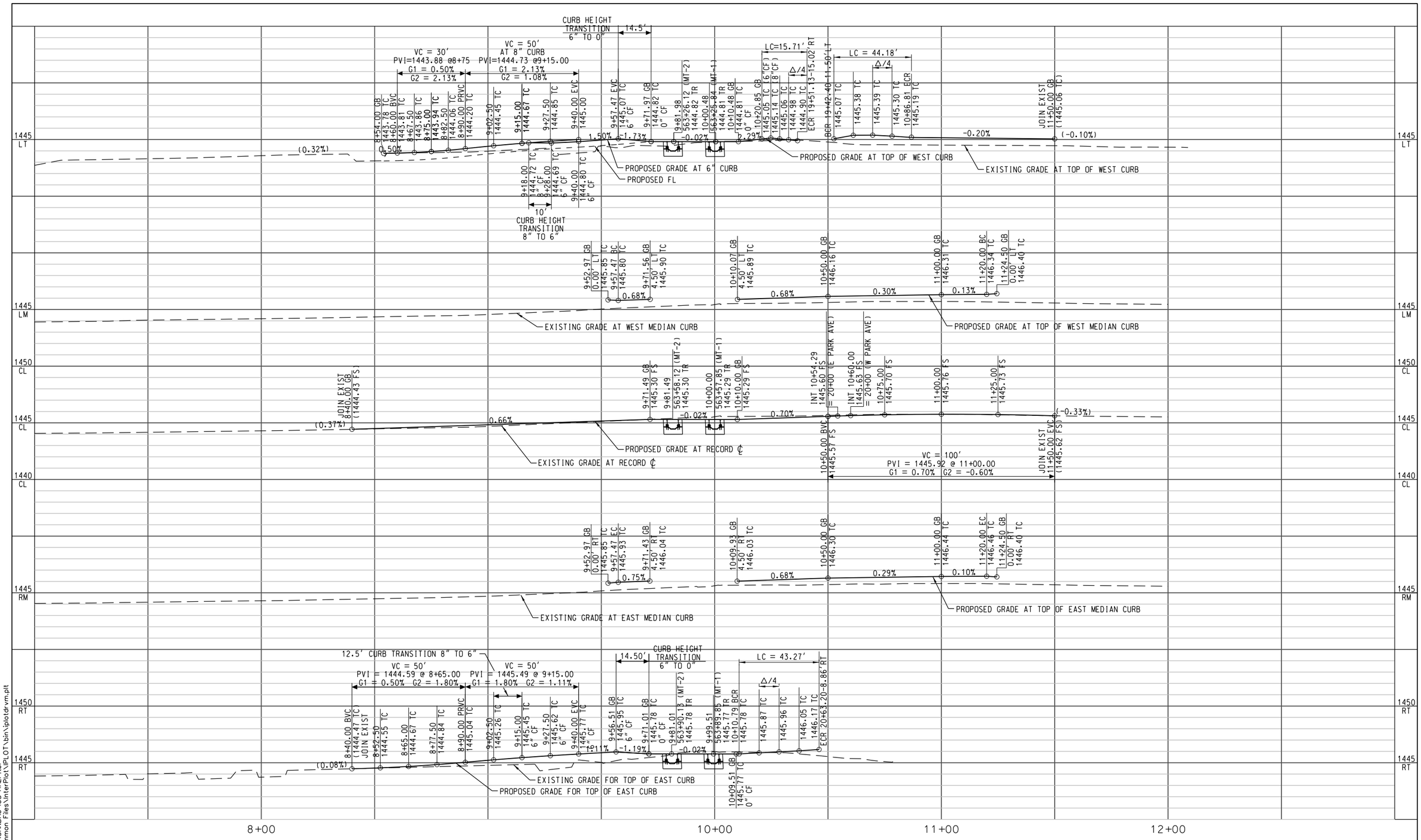
REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
N. UNIVERSITY STREET – MP 66.48 (9.75)
GRADE CROSSING LAYOUT

CONTRACT NO. 17-1001705
DRAWING NO. CR98102
REVISION | SHEET NO.
SCALE 1"=10'

Redlands Regular Meeting of 09-20-2022

5/24/2018 10:16:15 AM OMAP-INPICS02$
C:\OMAP-INPICS01\ICS1\PDF\227\8\83953_114_126495-06-CR98102.DGN
C:\Projects\Redlands Corridor\Design\CR98102_114_126495-06-CR98102.DGN
C:\Program Files (x86)\Common Files\InterPlot\IPLOT\bin\ploldr.vm.plt



OMAP-INPICS02$

10:14:23 AM

5/24/2018

\\OMAP-INPICS01\CS1for PDF\227\1883953_49126495-06-CR98201.DGN

Workspace: v:\07\SBCTA\SBCTA-WIDE\Design\Plans\Redlands\Alignments\Profiles\Program Files (x86)\Common Files\InterPlot\PLOT\bin\plotdrvm.plt

Redlands Regular Meeting of 09-20-2022

REV.	DATE	BY	SUB.	APP.

DESIGNED BY	J. SONG
DRAWN BY	J. KUO
CHECKED BY	J. BROWN
APPROVED BY	R. KLOVSKY
DATE	5-18-2018

San Bernardino County Transportation Authority

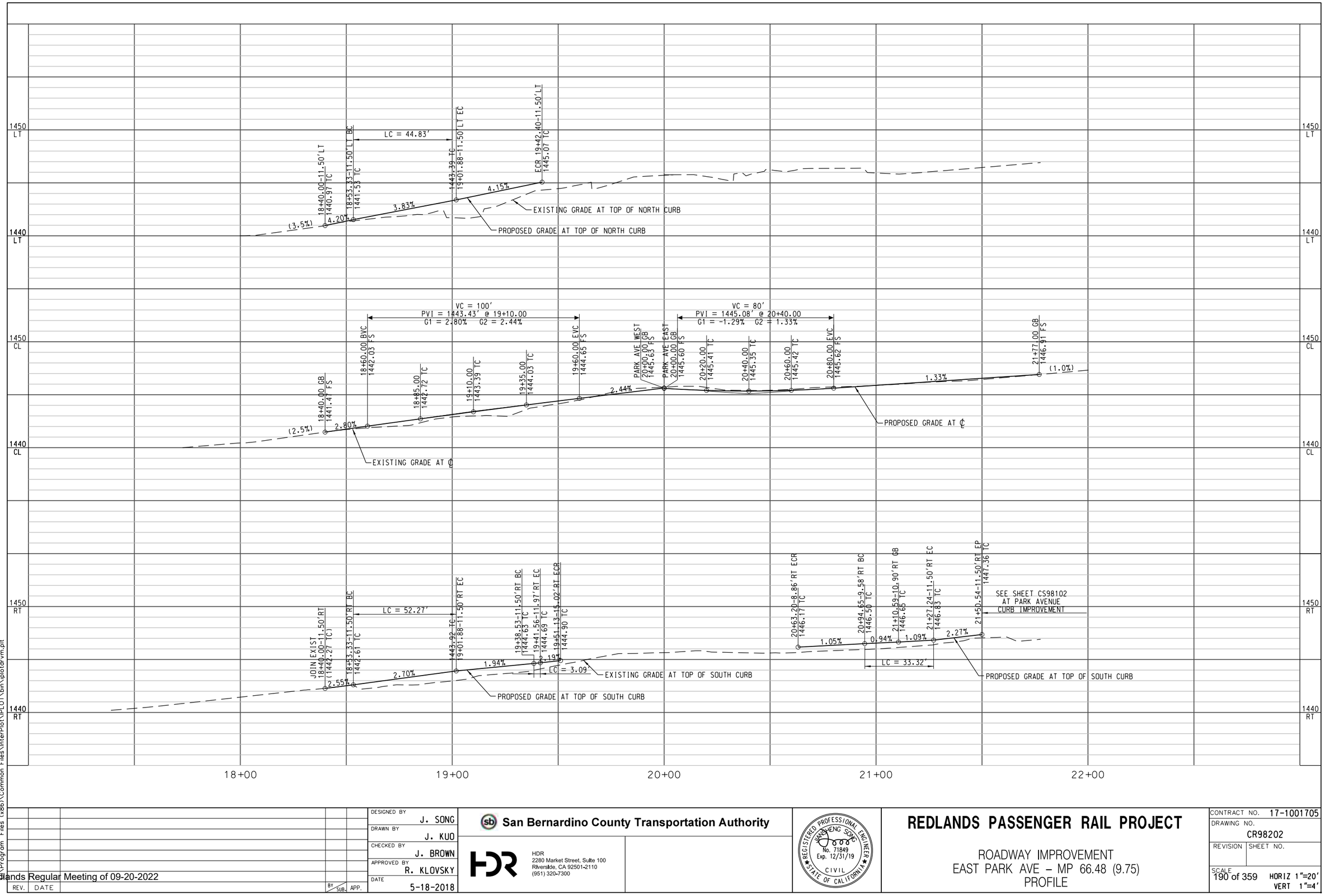
HDR
2280 Market Street, Sulte 100
Riverside, CA 92501-2110
(951) 320-7300

REGISTERED PROFESSIONAL ENGINEER
JIANHENG SONG
No. 71849
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
N. UNIVERSITY – MP 66.48 (9.75)
PROFILE

CONTRACT NO.	17-1001705
DRAWING NO.	CR98201
REVISION	SHEET NO.
SCALE	189 of 359
	HORIZ 1"=20'
	VERT 1"=4'



5/24/2018 10:16:37 AM OMAP-INPICS02
K:\OMAP-INPICS01\CS\ProPDF\227BLAB83953_115\126495-06-CR98202.DGN
K:\Engineering etc\PROJECTS\SAMBAG\CS-HALF IN\PLOT\bin\plotdrvm.plt
K:\Program Files (x86)\Common Files\InterPlot\PLOT\bin\plotdrvm.plt

REV.	DATE		BY	SUB.	APP.

DESIGNED BY	J. SONG
DRAWN BY	J. KUO
CHECKED BY	J. BROWN
APPROVED BY	R. KLOVSKY
DATE	5-18-2018

San Bernardino County Transportation Authority

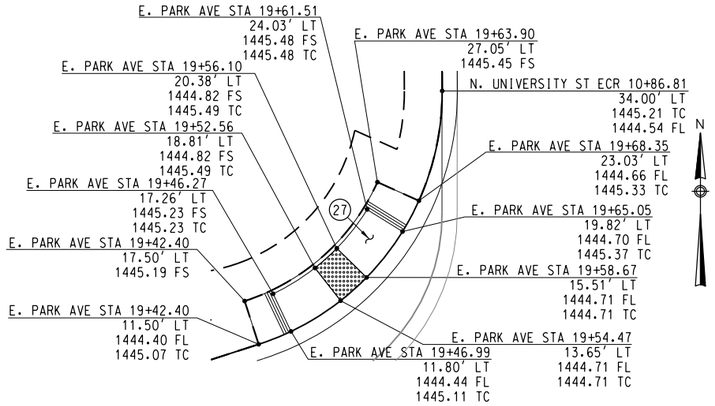
HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

REGISTERED PROFESSIONAL ENGINEER
JIANSHENG SONG
No. 71849
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

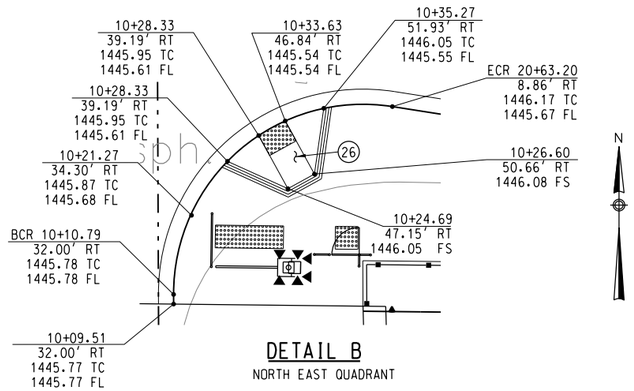
REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
EAST PARK AVE – MP 66.48 (9.75)
PROFILE

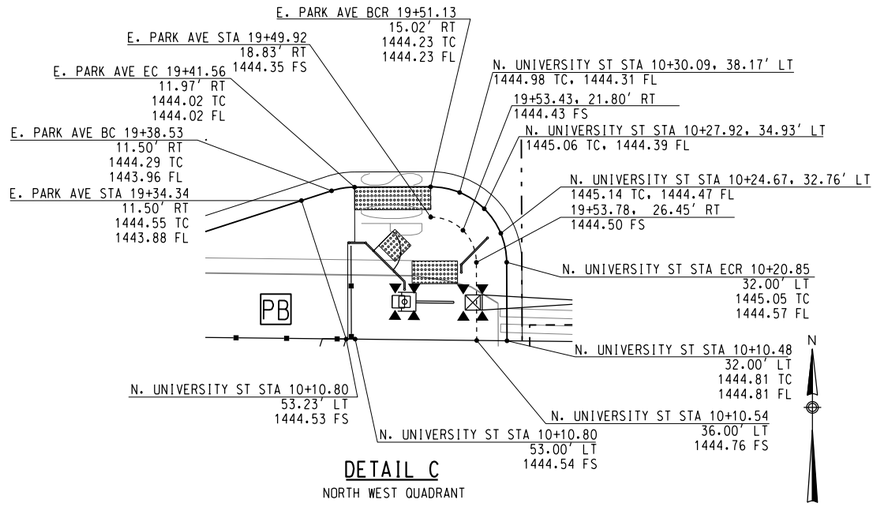
CONTRACT NO.	17-1001705
DRAWING NO.	CR98202
REVISION	SHEET NO.
SCALE	HORIZ 1"=20'
190 of 359	VERT 1"=4'



DETAIL A
NORTH WEST QUADRANT



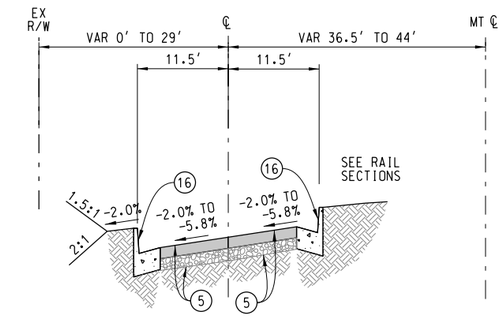
DETAIL B
NORTH EAST QUADRANT



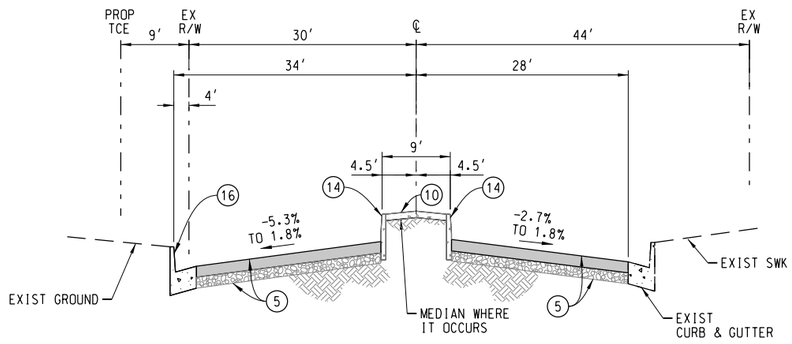
DETAIL C
NORTH WEST QUADRANT

CONSTRUCTION NOTES:

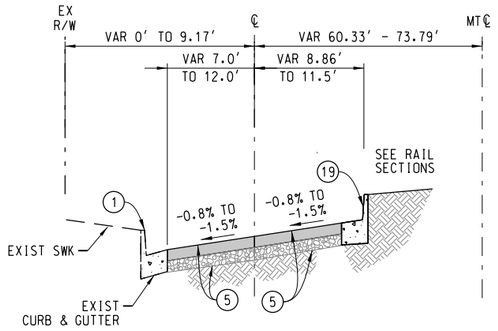
1. PROTECT IN PLACE
5. CONSTRUCT FULL AC PAVEMENT SECTION, DEPTHS OF AC AND AB PER SHEET CR00006
10. CONSTRUCT STAMPED CONCRETE MEDIAN PAVEMENT, 4" PCC OVER 4" SAND FILL OVER 95% COMPACTED NATIVE MATERIAL
14. CONSTRUCT 8" HIGH TYPE A1-8 CURB PER SPPWC STD PLAN NO. 120-2
16. CONSTRUCT 8" HIGH TYPE A2-8 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2
19. CONSTRUCT 6" HIGH TYPE A3-6 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2
26. CONSTRUCT CURB RAMP PER SPPWC STD PLAN NO. 111-5, CASE A, TYPE 1
27. CONSTRUCT CURB RAMP PER SPPWC STD PLAN NO. 111-5, CASE B, TYPE 1



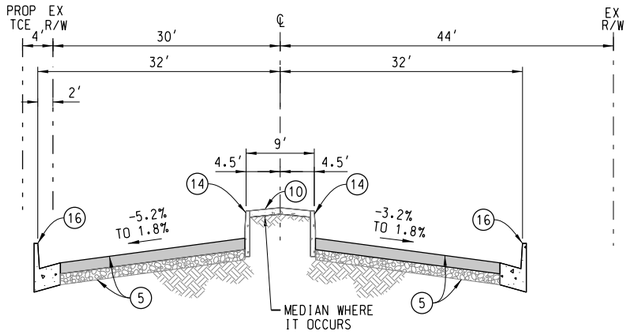
EAST PARK AVENUE (WEST SIDE)
NORTH OF CROSSING



NORTH UNIVERSITY AVENUE
NORTH OF CROSSING



EAST PARK AVENUE (EAST SIDE)
NORTH OF CROSSING



NORTH UNIVERSITY AVENUE
SOUTH OF CROSSING

REV.	DATE		BY	SUB.	APP.

DESIGNED BY J. SONG
DRAWN BY J. KUO
CHECKED BY J. BROWN
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

REGISTERED PROFESSIONAL ENGINEER
JINGHENG SONG
No. 71849
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
N. UNIVERSITY STREET– MP 66.48 (9.75)
TYPICAL SECTION & CONSTRUCTION DETAILS

CONTRACT NO. 17-1001705
DRAWING NO. CR98301
REVISION
SHEET NO. 191 of 359
SCALE 1"=10'

5/24/2018 10:13:36 AM OMAP-INPICS02$
Q:\OMAP-INPICS02\CS1\PRF\22781_883953_ALT_26495-06-CR98301.DGN
C:\Users\jkuo\Documents\ACCURL\Working Files (x86)\Common Files\InterPlot\PLOT\bin\iplotdrvm.plt
Redlands Regular Meeting of 09-20-2022

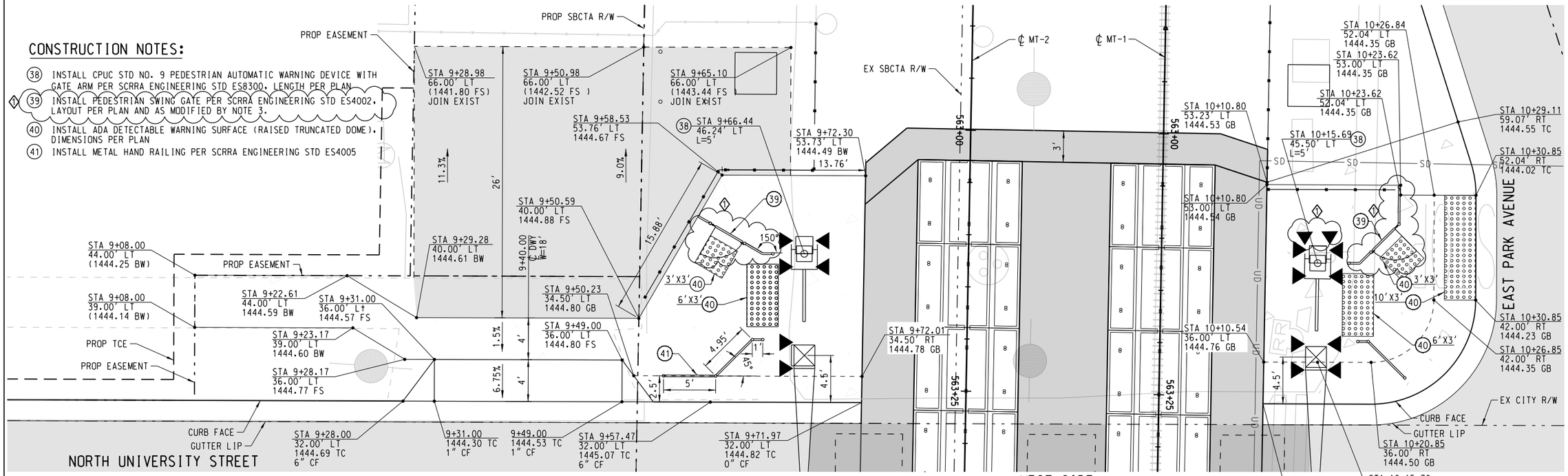
CONSTRUCTION NOTES:

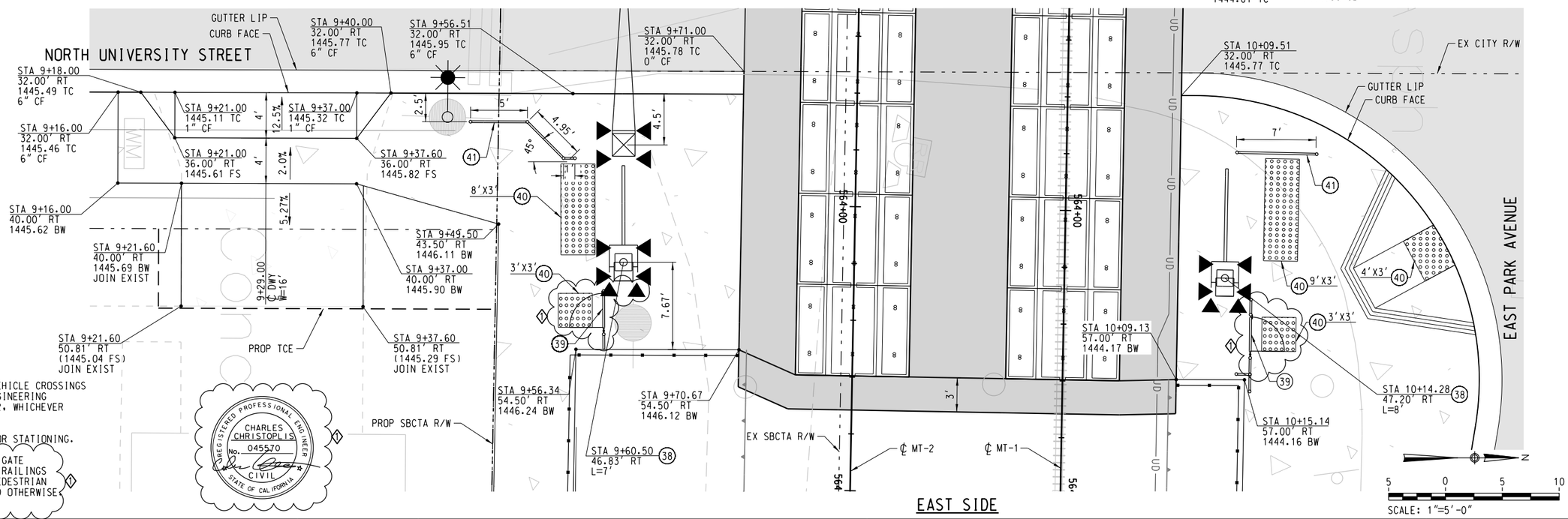
38 INSTALL CPUC STD NO. 9 PEDESTRIAN AUTOMATIC WARNING DEVICE WITH GATE ARM PER SCRRA ENGINEERING STD ES8300, LENGTH PER PLAN

39 INSTALL PEDESTRIAN SWING GATE PER SCRRA ENGINEERING STD ES4002, LAYOUT PER PLAN AND AS MODIFIED BY NOTE 3.

40 INSTALL ADA DETECTABLE WARNING SURFACE (RAISED TRUNCATED DOME), DIMENSIONS PER PLAN

41 INSTALL METAL HAND RAILING PER SCRRA ENGINEERING STD ES4005





NOTES:

1. PEDESTRIAN FACILITIES AT VEHICLE CROSSINGS SHALL COMPLY WITH SCRRA ENGINEERING STANDARDS ES4011 AND ES4012, WHICHEVER IS APPLICABLE.
2. SEE ROADWAY LAYOUT SHEET FOR STATIONING.
3. BEGIN/END PEDESTRIAN SWING GATE ASSEMBLY/ACCOMPANYING HAND RAILINGS AT 3 FEET FROM CENTER OF PEDESTRIAN GATE ARM POLE, UNLESS NOTED OTHERWISE

REGISTERED PROFESSIONAL ENGINEER — CHARLES CHRISTOPLIS — No. 045570 — CIVIL — STATE OF CALIFORNIA

REV.	DATE		BY	SUB.	APP.
			EA		CC

DESIGNED BY J. SONG
DRAWN BY J. KUO
CHECKED BY J. BROWN
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

REGISTERED PROFESSIONAL ENGINEER — JIANSHENG SONG — No. 71849 Exp. 12/31/19 — CIVIL — STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
N. UNIVERSITY STREET – MP 66.48 (9.75)
GRADE CROSSING DETAILS

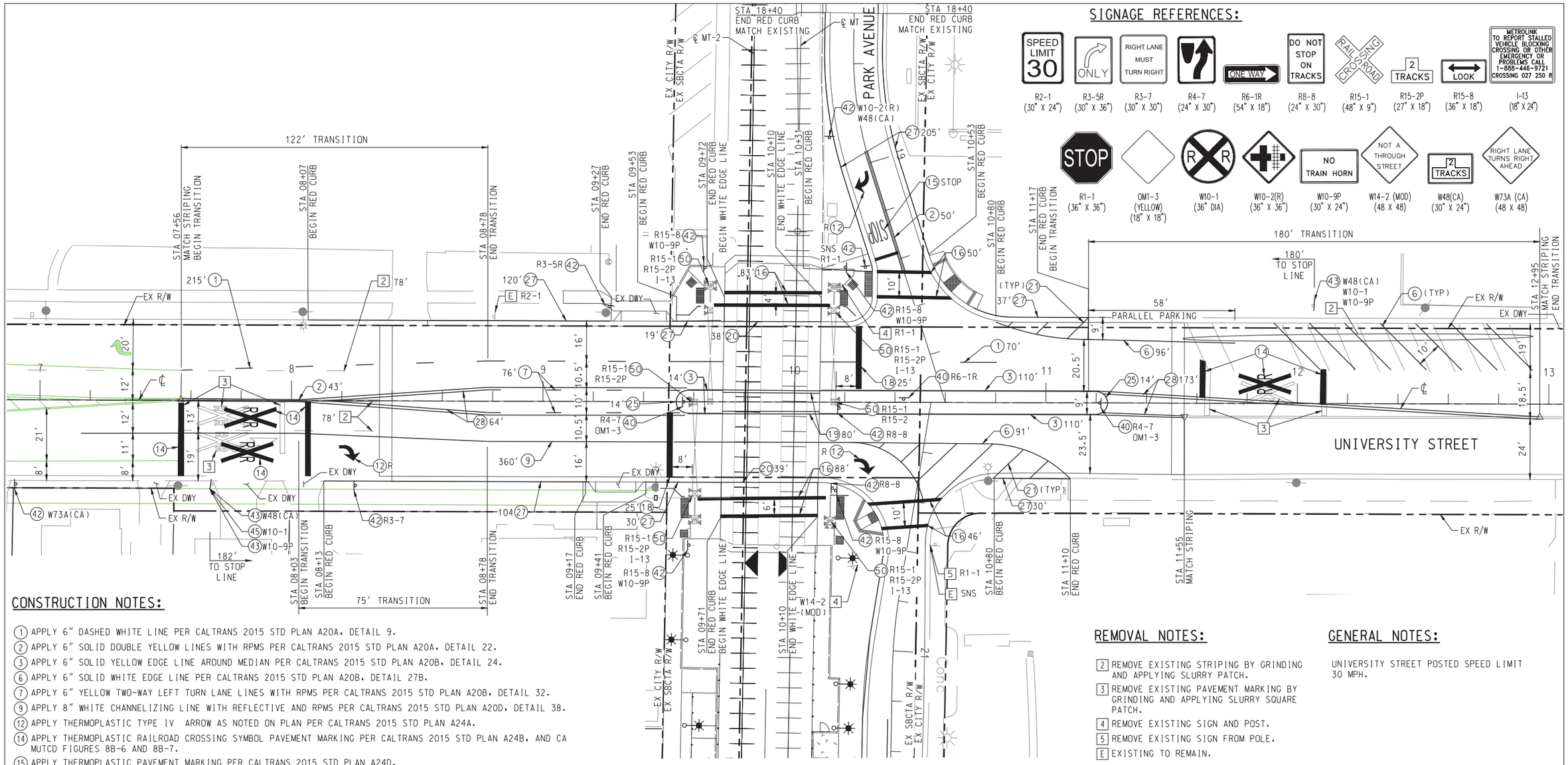
CONTRACT NO. 17-1001705
DRAWING NO. CR98401
REVISION
SHEET NO. 495 OF 2425
SCALE 1"=5'

192 of 359

8/23/2018 12:04:20 PM
OMAP-INP\CS02\$
OMAP-INP\CS01\CS\5rPDF\2315.883953.5Y.26495-06-CR98401.DGN
User:kklug Styles:SCRRA-ALL-Plot.ctb
Program Files (x86)\Common Files\Inter\Plot\IPLOT\bin\plotdrvm.plt

Redlands Regular Meeting - 09-20-2022

SIGNAGE REFERENCES:



CONSTRUCTION NOTES:

1. APPLY 6" DASHED WHITE LINE PER CALTRANS 2015 STD PLAN A20A, DETAIL 9.
2. APPLY 6" SOLID DOUBLE YELLOW LINES WITH RPMS PER CALTRANS 2015 STD PLAN A20A, DETAIL 22.
3. APPLY 6" SOLID YELLOW EDGE LINE AROUND MEDIAN PER CALTRANS 2015 STD PLAN A20B, DETAIL 24.
6. APPLY 6" SOLID WHITE EDGE LINE PER CALTRANS 2015 STD PLAN A20B, DETAIL 27B.
7. APPLY 6" YELLOW TWO-WAY LEFT TURN LANE LINES WITH RPMS PER CALTRANS 2015 STD PLAN A20B, DETAIL 32.
9. APPLY 8" WHITE CHANNELIZING LINE WITH REFLECTIVE AND RPMS PER CALTRANS 2015 STD PLAN A20D, DETAIL 38.
12. APPLY THERMOPLASTIC TYPE IV ARROW AS NOTED ON PLAN PER CALTRANS 2015 STD PLAN A24A.
14. APPLY THERMOPLASTIC RAILROAD CROSSING SYMBOL PAVEMENT MARKING PER CALTRANS 2015 STD PLAN A24B, AND CA MUTCD FIGURES 8B-6 AND 8B-7.
15. APPLY THERMOPLASTIC PAVEMENT MARKING PER CALTRANS 2015 STD PLAN A24D.
16. APPLY 12" SOLID THERMOPLASTIC WHITE CROSSWALK LINE OR LIMIT LINE PER CALTRANS 2015 STD PLAN A24E.
18. APPLY 24" WHITE THERMOPLASTIC STOP LINE PER CA MUTCD SECTION 8B.28.
19. APPLY 6" DOUBLE YELLOW MEDIAN LINES WITH RPMS SPACED 4' OC PER METROLINK STD PLAN 4015.
20. APPLY 6" WHITE EDGE LINE WITH RPMS SPACED 4' OC.
21. APPLY 4" SOLID WHITE DIAGONAL STRIPE AT 10' OC.
25. PAINT MEDIAN NOSE YELLOW WITH TYPE "D" RPMS 2' OC.
27. PAINT CURB RED.
28. APPLY 6" DOUBLE YELLOW LINES WITH RPMS PER CALTRANS STD PLAN A20B, DETAIL 29.
40. INSTALL SIGN AND POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE 3.5' ABOVE FINISH SURFACE.
42. INSTALL SIGN AND POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE A MINIMUM 7' ABOVE FINISHED GRADE.
43. INSTALL SIGN ON EXISTING SIGN POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE A MINIMUM OF 7' ABOVE FINISH SURFACE.
45. REPLACE SIGN ON EXISTING SIGN POST AS NOTED ON PLAN. BOTTOM OF SIGN SHALL BE A MINIMUM OF 7' ABOVE FINISH SURFACE.
50. INSTALL SIGN ON EXISTING GATE MECHANISM.

REMOVAL NOTES:

2. REMOVE EXISTING STRIPING BY GRINDING AND APPLYING SLURRY PATCH.
3. REMOVE EXISTING PAVEMENT MARKING BY GRINDING AND APPLYING SLURRY SQUARE PATCH.
4. REMOVE EXISTING SIGN AND POST.
5. REMOVE EXISTING SIGN FROM POLE.
E. EXISTING TO REMAIN.

GENERAL NOTES:

UNIVERSITY STREET POSTED SPEED LIMIT 30 MPH.

SEE CIVIL SHEETS FOR CURB, RAMP, MEDIAN AND SIDEWALK IMPROVEMENTS

20 0 20 40

SCALE: 1"=20'

REV.	DATE		BY	SUB.	APP.

DESIGNED BY B. SCHLUETER
DRAWN BY B. SCHLUETER
CHECKED BY N. MINICILLI
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

STC TRAFFIC
5865 AVENIDA ENCINAS, #142-B
CARLSBAD, CA 92008
PH: 760-602-4290
WWW.STCTRAFFIC.COM

APPROVED: _____

REGISTERED PROFESSIONAL ENGINEER NICHOLAS M. MINICILLI NO. 74667 CIVIL STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
NORTH UNIVERSITY STREET - MP 66.48 (9.75)
SIGNING AND STRIPING

CONTRACT NO. C15-1001093
DRAWING NO. CR98501
REVISION | SHEET NO.
SCALE HORIZ 1"=20'

04/27/2018 2:48 PM christian lombarth
s:\projects\hdr\0398_redlands passenger rail design project\07_engineering\cadd\div\26495-06-cr98501.dwg
sonss_prp-test.ctb

EXHIBIT C-1

To Maintenance Agreement

for

All At-Grade Crossings within MP 61.87 to 66.48 of the San Gabriel Subdivision

Quiet Zone Notice of Intent

CERTIFIED MAIL RETURN RECEIPT REQUESTED
Distribution is indicated in Section 5 herein

Date: August 24, 2020

Subject: City of Redlands, California
Southern California Regional Rail Authority (SCRRA) –
San Gabriel (formerly Redlands) Subdivision Quiet Zone

NOTICE OF INTENT TO CREATE NEW QUIET ZONE(S)

Notice is hereby provided that the City of Redlands, California, (City) intends to create New 24-hour Quiet Zone in accordance with the regulatory provisions contained in Title 49 of the Code of Federal Regulations, Parts 222 and 229 *Use of Locomotive Horns at Highway-Rail Grade Crossings; Final Rule* (Final Rule). The routine sounding of train horns at crossings will be restricted within the quiet zone.

A party receiving this Notice of Intent (NOI) may submit information or comments about the proposed quiet zone to the City during the 60 days following the date of this letter. However, this comment period will terminate if all of the parties either submit comments or signed statements that they do not have any comments due to their continuous participation in the process of developing this quiet zone.

SECTION 1 – AFFECTED HIGHWAY-RAIL CROSSINGS

Fifteen (15) existing public highway-rail at-grade crossings are located within the proposed quiet zone as indicated on Table 1. All crossings are located within the City of Redlands, in San Bernardino County, CA. All affected streets are under the jurisdiction of the City (see details in Table 1). The private highway-rail crossing at Wyatt's Paint and Body, just east of Tennessee Street in Redlands located within the proposed quiet zone, has been closed. There are no existing pedestrian-exclusive rail at-grade crossings, however there is one (1) proposed new pedestrian-exclusive rail at-grade crossing planned at the new Downtown Redlands Station that will be owned and maintained by the San Bernardino County Transportation Authority (SBCTA), and one (1) proposed new conversion to pedestrian-exclusive rail at-grade crossing planned at New York Street within New York Station, within the proposed quiet zone.

Table 1: Crossings within the Proposed Quiet Zone

US Dot No.	Mile Post	Crossing	Jurisdiction
027231L	101 SG-63.00 (002U-6.30)	California Street	Redlands
027232T	101 SG-63.50 (002U-6.80)	Nevada Street	Redlands
027233A	101 SG-64.02 (002U-7.30)	Alabama Street	Redlands
027234G	101 SG-64.20 (002U-7.40)	Colton Avenue	Redlands
027235N	101 SG-64.55 (002U-7.80)	Tennessee Street	Redlands
027236V	002U-7.92	Wyatt's Paint and Body (Private - Closed)	Wyatt's Paint and Body
027237C	101 SG-64.82 (002U-8.10)	New York Street (Proposed Conversion to Ped Only)	Redlands
027238J	101 SG-64.88 (002U-8.20)	W Stuart Avenue	Redlands
027239R	101 SG-65.07 (002U-8.40)	Texas Street	Redlands
027240K	101 SG-65.36 (002U-8.60)	Eureka Street	Redlands
933892D	101SG-65.48 (002U-8.6)	Downtown Redlands Station (New Proposed Ped Only)	SBCTA/Redlands
027242Y	101 SG-65.57 (002U-8.80)	Orange Street	Redlands
027245U	101 SG-65.70 (002U-9.00)	6th Street	Redlands
027246B	101 SG-65.76 (002U-9.10)	7th Street	Redlands
027247H	101 SG-65.88 (002U-9.20)	9th Street	Redlands
027248P	101 SG-66.07 (002U-9.30)	Church Street	Redlands
027250R	101 SG-66.48 (002U-9.80)	University Street	Redlands

The following railroads currently, or are proposed to, operate over the proposed quiet zone:

- Southern California Regional Rail Authority (SCRRA)
- BNSF Railway (BNSF)
- Redlands Passenger Rail Service (Future Service)

SECTION 2 – TIME RESTRICTION

The routine sounding of horns will be restricted twenty-four (24) hours a day, seven (7) days a week.

SECTION 3 – PROPOSED IMPROVEMENTS

The improvements are described and shown in detail on the design plans (attached herein as Exhibit A).

The quiet zone is proposed to be established based upon the regulatory provision described under 49 CFR §222.39(b). Supplemental Safety Measures (SSMs) and Modified Supplemental Safety Measures (MSSMs) are proposed to be implemented at selected crossing sufficient to reduce the

Quiet Zone Risk Index to a level at or below the Risk Index with horns as shown in the preliminary Quiet Zone Calculations (attached as Exhibit B).

SECTION 4 – POINT OF CONTACT

The point of contact for the City of Redlands is:

Ross Wittman
Senior Project Manager
City of Redlands
35 Cajon Street, Suite 15-A
Redlands, CA 92373
909-798-7524 Ext. 1

SECTION 5 – DISTRIBUTION

This notice has been sent to the following individuals:

Ross Wittman
Senior Project Manager
City of Redlands
35 Cajon Street, Suite 15-A
Redlands, CA 92373

Rudolph S. Chow, P.E.
Director/City Engineer, Municipal Utilities & Engineering Department
City of Redlands
35 Cajon Street, Suite 15-A
Redlands, CA 92373

Christopher Catren
Chief of Police
City of Redlands
30 Cajon Street
Redlands, CA 92373

Carrie Schindler
Director of Transit & Rail Programs
San Bernardino County Transportation Authority
1170 W. 3rd Street, 2nd Floor
San Bernardino, CA 92410-1715

Victor Lopez
Chief of Transit & Rail Programs
San Bernardino County Transportation Authority
1170 W. 3rd Street, 2nd Floor
San Bernardino, CA 92410-1715

Kate Kalinosky
Manager Public Projects
BNSF Railway Co.
740 East Carnegie Drive
San Bernardino, CA 92408-3571

Anton Garabetian
Program Manager
Rail Crossings Engineering Section
California Public Utilities Commission
320 West 4th Street, Suite 500
Los Angeles, CA 90013

Andrew Althorp
Principal Engineer – Project Management
SCRRA
2558 Supply Street
Pomona, CA 91767

Justin Fornelli
Director of Engineering & Construction
SCRRA
2558 Supply St.
Pomona, CA 91767

Mark A. Adamczak
Deputy Regional Administrator – Region 7
Federal Railroad Administration
3401 Centrelake Dr. Suite 480
Ontario, CA 91761

Joe Petito
Rail Safety Specialist
Federal Railroad Administration
39252 Winchester Road, #107-270
Murrieta, CA 92563

Karl Alexy
Associate Administrator for Safety
Federal Railroad Administration
1200 New Jersey Avenue, SE, MS-25
Washington DC 20590

Brian Patrick,
Right of Way Agent
CALTRANS - District 8
464 West Fourth Street, MS-950
San Bernardino, Ca 92401

Rebecca Guirado
Deputy District Director - Right of Way
CALTRANS - District 8
464 West Fourth Street, MS-950
San Bernardino, Ca 92401

Sergio Licon
Utilities Engineer
Rail Crossings Engineering Section
California Public Utilities Commission
320 West 4th Street, Suite 500
Los Angeles, CA 90013

David S. Kim
Secretary
California State Transportation Agency
915 Capitol Mall Suite 350 B
Sacramento, CA 95814

Catalino Pining III
Deputy District Director, Traffic Operations,
District 8, San Bernardino Co.
California Department of Transportation
(Caltrans) Region 9
464 W. 4th Street, 6th Floor
San Bernardino, CA 92401-1400

Tan D. Nguyen P.E.
Transportation Engineer, Civil
Caltrans District 8 Encroachment Permits Office-
Stormwater Coordinator
464 W. 4th Street
San Bernardino, CA 92401-1400

Exhibits

San Gabriel (formerly Redlands) Subdivision

Southern California Regional Rail Authority

Notice of Intent to Create New Quiet Zone

List of Exhibits:

Exhibit A – Design Layout Plans

Exhibit B – Preliminary Quiet Zone Risk Index Calculations

Exhibit A
– Design Layout Plans

San Gabriel (formerly Redlands) Subdivision

Southern California Regional Rail Authority

Notice of Intent to Create New Quiet Zone

CURVE DATA				
No.	R	Δ	T	L
1	167.46	14°05′00″	20.69	41.16
2	167.46	10°13′07″	14.97	29.87
3	40.00	90°29′40″	40.35	63.18
4	25.00	90°31′32″	25.23	39.50

REMOVAL NOTES:

- [1] REMOVE EXISTING AC PAVEMENT
- [3] REMOVE EXISTING CURB
- [4] REMOVE EXISTING CURB & GUTTER
- [5] REMOVE EXISTING SIDEWALK
- [6] REMOVE EXISTING DRIVEWAY
- [7] REMOVE CROSS GUTTER
- [10] REMOVE EXISTING RAILROAD SIGNAL
- [16] REMOVE EXISTING CONCRETE PANEL
- [18] REMOVE EXISTING RAIL EQUIPMENT PER SIGNAL PLANS
- [24] REMOVE AND SALVAGE EXISTING SIGN

CONSTRUCTION NOTES:

- (1) PROTECT IN PLACE
- (2) ADJUST TO GRADE, ITEM PER PLAN
- (3) SAWCUT EXISTING PAVEMENT
- (4) COLD MILL 2″ EXISTING PAVEMENT AND CONSTRUCT 2″ ASPHALT CONCRETE OVERLAY
- (5) CONSTRUCT FULL AC PAVEMENT SECTION, DEPTHS OF AC AND AB PER SHEET CR00006
- (6) CONSTRUCT 8″ AC PAVEMENT WITH GLASS GRID PER SCRRA ENGINEERING STD ES4001, DETAIL B
- (10) CONSTRUCT STAMPED CONCRETE MEDIAN PAVEMENT, 4″ PCC OVER 4″ SAND FILL OVER 95% COMPACTED NATIVE MATERIAL
- (14) CONSTRUCT 8″ HIGH TYPE A1-8 CURB PER SPPWC STD PLAN NO. 120-2
- (16) CONSTRUCT 8″ HIGH TYPE A2-8 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2
- (18) CONSTRUCT 6″ HIGH TYPE A2-6 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2
- (21) CONSTRUCT 4″ PCC SIDEWALK PER SPPWC STD PLAN NO. 112-2 AND 113-2, AND PER DETAIL A SHEET CR00006
- (24) CONSTRUCT DRIVEWAY PER SPPWC STD PLAN NO. 110-2, TYPE B
- (26) CONSTRUCT CURB RAMP AND DETECTABLE WARNING SURFACE PER SPPWC STD PLAN NO. 111-5, CASE A, TYPE 1
- (29) CONSTRUCT CROSS GUTTER PER SPPWC STD PLAN NO. 122-2
- (44) INSTALL NON-REMOVABLE BOLLARDS PER SHEET CR00006
- (49) INSTALL SIGNAL HOUSE

DOT 027231L, CPUC 101 SG-63.00

SCALE: 1″=20′

REV.	DATE		BY	SUB.	APP.
1	07-19-19	ADDED CITY SIGNATURE	TJ		SG
		ADDED CITY SIGNATURE	TJ		SG

DESIGNED BY J. SONG
DRAWN BY J. KUO
CHECKED BY J. BROWN
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Sulte 100
Riverside, CA 92501-2110
(951) 320-7300

Accepted By
Savat Khamphou, Engineering Manager, R.C.E. 62019

REGISTERED PROFESSIONAL ENGINEER — JIANSHENG SONG — No. 71849 Exp. 12/31/19 — CIVIL — STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — CHARLES CHRISTOPLIS — No. 045570 — CIVIL — STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
CALIFORNIA STREET – MP 63.00 (6.27)
LAYOUT

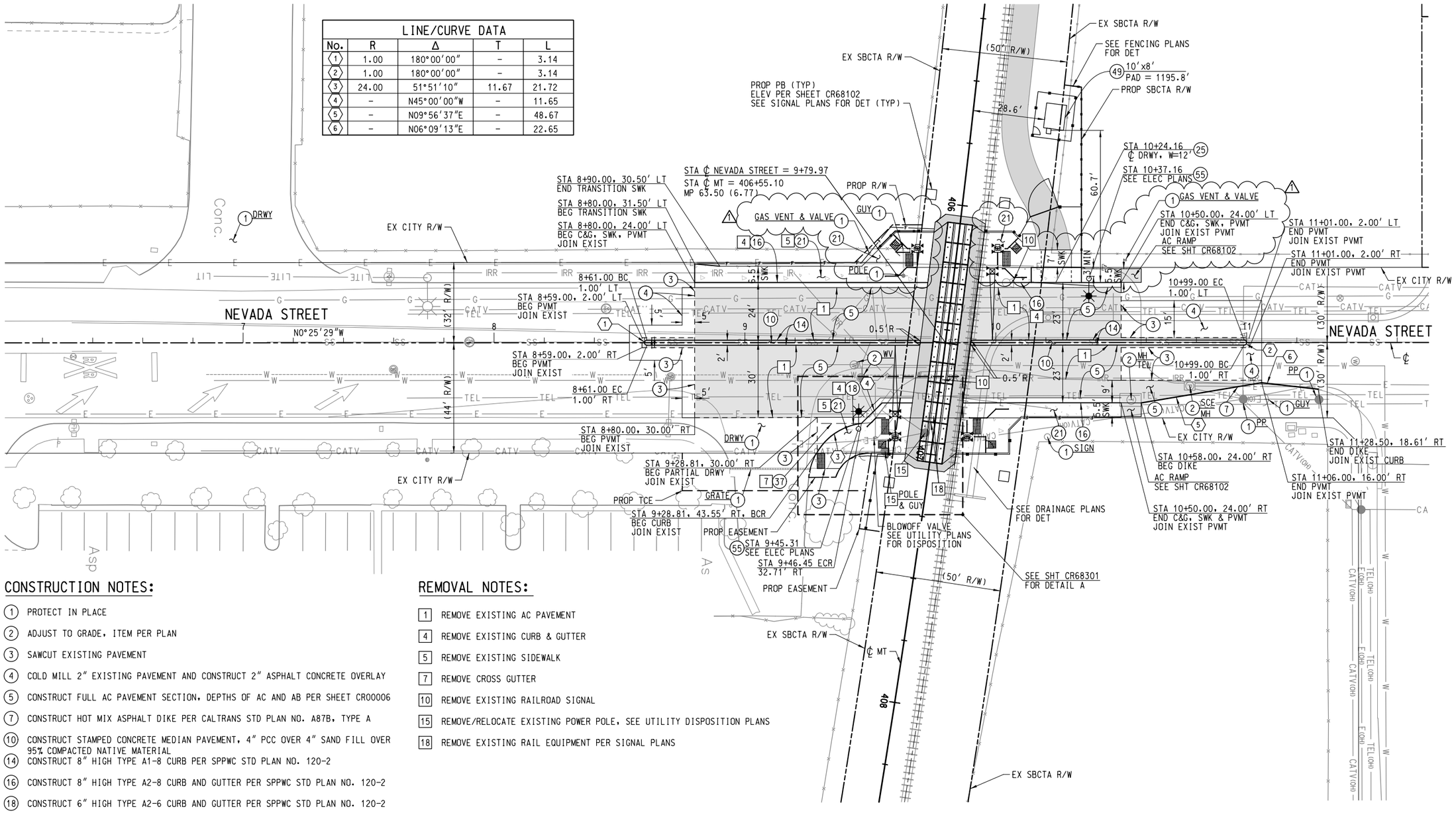
CONTRACT NO. 17-1001705
DRAWING NO. CR63101
REVISION | SHEET NO.
SCALE 1″=20′

Redlands Regular Meeting of 09-20-2022

8/7/2019 1:23:14 PM KCARR
\\pwappsac01\California_Sacramento\Documents\351426\CON0102831\0000000002683390\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions\Sheet Files - Construction Revisions\06a_CIVIL\ROADWAY\26495-0
\\pwappsac01\California_Sacramento\Documents\351426\CON0102831\0000000002683390\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_PlotDRV\SANBAG_BW.tbl
\\pwappsac01\California_Sacramento\Documents\351426\CON0102831\0000000002683390\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_PlotDRV\SANBAG-11x17bw_pdf.pltcfg
\\pwworking\scrc\d0990737\SANBAG-11x17bw_pdf.pltcfg

8/7/2019 1:54:23 PM KCARR
\\pwappsac01\California_Sacramento\Documents\351426\CON0102831\0000000002683391\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions\Sheet Files - Construction Revisions\06a_CIVIL\ROADWAY\26495-06a-CIVIL-ROADWAY-CR68101.dgn
\\pwappsac01\California_Sacramento\Documents\351426\CON0102831\0000000002683391\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_PlotDRV\SANBAG_BW.tbl
\\pwappsac01\California_Sacramento\Documents\351426\CON0102831\0000000002683391\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_PlotDRV\SANBAG-11x17bw_pdf.pltcfg
\\pwappsac01\California_Sacramento\Documents\351426\CON0102831\0000000002683391\working sac\d0990737\SANBAG-11x17bw_pdf.pltcfg

LINE/CURVE DATA				
No.	R	Δ	T	L
1	1.00	180°00'00"	-	3.14
2	1.00	180°00'00"	-	3.14
3	24.00	51°51'10"	11.67	21.72
4	-	N45°00'00"W	-	11.65
5	-	N09°56'37"E	-	48.67
6	-	N06°09'13"E	-	22.65



CONSTRUCTION NOTES:

(1) PROTECT IN PLACE

(2) ADJUST TO GRADE, ITEM PER PLAN

(3) SAWCUT EXISTING PAVEMENT

(4) COLD MILL 2" EXISTING PAVEMENT AND CONSTRUCT 2" ASPHALT CONCRETE OVERLAY

(5) CONSTRUCT FULL AC PAVEMENT SECTION, DEPTHS OF AC AND AB PER SHEET CR00006

(7) CONSTRUCT HOT MIX ASPHALT DIKE PER CALTRANS STD PLAN NO. A87B, TYPE A

(10) CONSTRUCT STAMPED CONCRETE MEDIAN PAVEMENT, 4" PCC OVER 4" SAND FILL OVER 95% COMPACTED NATIVE MATERIAL

(14) CONSTRUCT 8" HIGH TYPE A1-8 CURB PER SPPWC STD PLAN NO. 120-2

(16) CONSTRUCT 8" HIGH TYPE A2-8 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2

(18) CONSTRUCT 6" HIGH TYPE A2-6 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2

(21) CONSTRUCT 4" PCC SIDEWALK PER SPPWC STD PLAN NO. 112-2 AND 113-2, AND PER DETAIL A SHEET CR00006

(25) CONSTRUCT DRIVEWAY FOR MAINTENANCE ACCESS PER SCRRA ENGINEERING STD ES4011

(37) CONSTRUCT DRIVEWAY PER SPPWC STD PLAN NO. 110-2, TYPE C

(49) INSTALL SIGNAL HOUSE

(55) INSTALL STREET LIGHT PER ELECTRICAL PLANS

REMOVAL NOTES:

[1] REMOVE EXISTING AC PAVEMENT

[4] REMOVE EXISTING CURB & GUTTER

[5] REMOVE EXISTING SIDEWALK

[7] REMOVE CROSS GUTTER

[10] REMOVE EXISTING RAILROAD SIGNAL

[15] REMOVE/RELOCATE EXISTING POWER POLE, SEE UTILITY DISPOSITION PLANS

[18] REMOVE EXISTING RAIL EQUIPMENT PER SIGNAL PLANS

20 0 20 40

SCALE: 1"=20'

DOT 027232T, CPUC 101 SG-63.50

REV.	DATE		BY	SUB.	APP.
2	07-19-19	ADDED CITY SIGNATURE	TJ		SG
1	08-02-19	DCN 01 PEDESTRIAN SAFETY IMPROVEMENTS	EA		CC
		Redlands Regular Meeting of 09-20-2022	TJ		SG

DESIGNED BY J. SONG
DRAWN BY J. KUO
CHECKED BY J. BROWN
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

2 Accepted By
Savat Khamphou, Engineering Manager, R.C.E. 62019

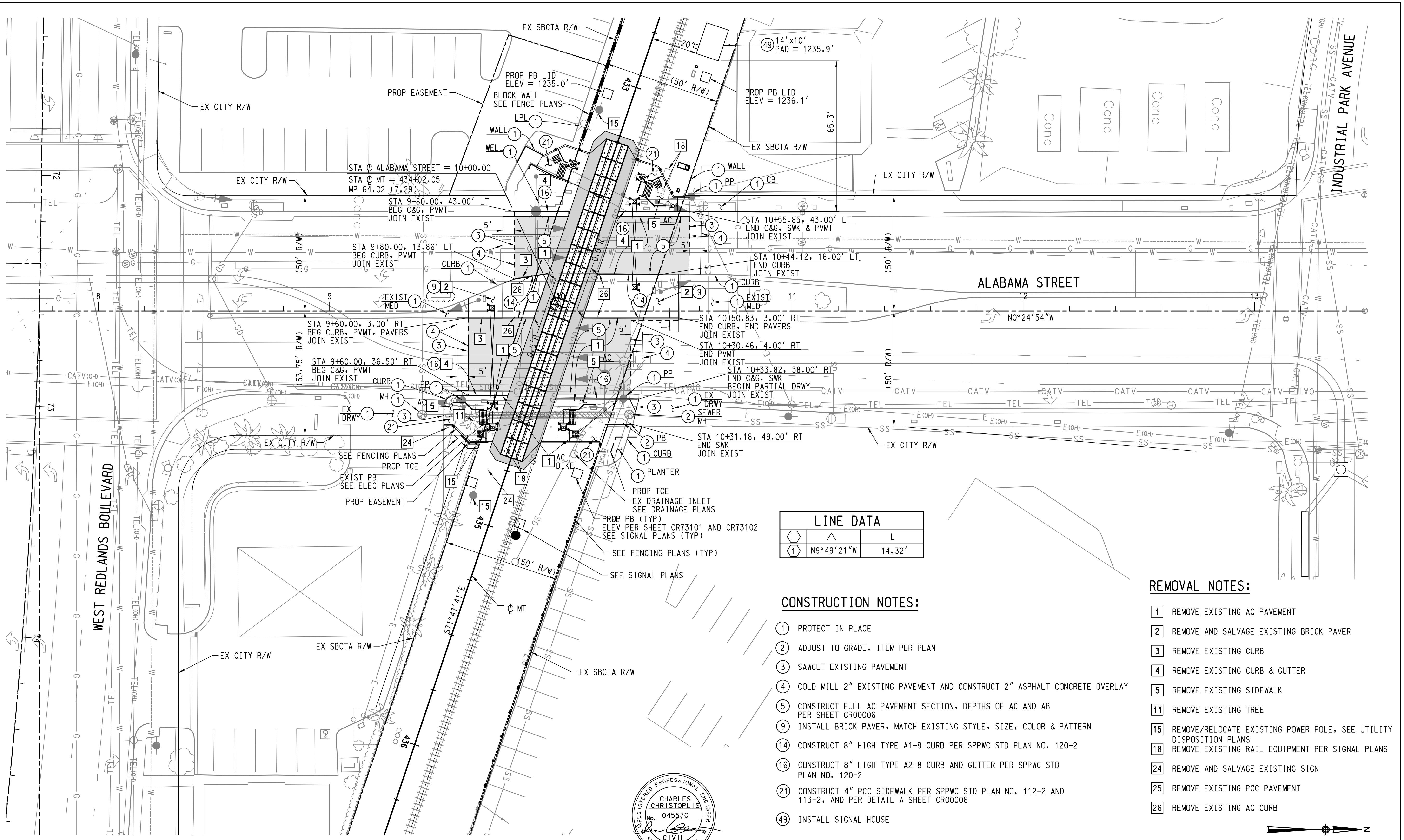
REGISTERED PROFESSIONAL ENGINEER
CHARLES CHRISTOPLIS
No. 045570
CIVIL
STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
NEVADA STREET – MP 63.50 (6.77)
LAYOUT

CONTRACT NO. 17-1001705
DRAWING NO. CR68101
REVISION | SHEET NO.
SCALE 1"=20'

8/7/2019 2:10:30 PM KCARR
w:\\pwappsac01:California_Sacramento\Documents\351426\CON0102831\000000000268339\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions\Sheet Files - Construction Revisions\06a_CIVIL\ROADWAY\26495-0
w:\\pwappsac01:California_Sacramento\Documents\351426\CON0102831\000000000268339\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_PlotDRV\SANBAG_BW.tbl
c:\pwworking\sac\d0990737\SANBAG-11x17bw_pdf.pltcfg



LINE DATA

⬡	△	L
⟨1⟩	N9°49'21"W	14.32'

CONSTRUCTION NOTES:

① PROTECT IN PLACE

② ADJUST TO GRADE, ITEM PER PLAN

③ SAWCUT EXISTING PAVEMENT

④ COLD MILL 2" EXISTING PAVEMENT AND CONSTRUCT 2" ASPHALT CONCRETE OVERLAY

⑤ CONSTRUCT FULL AC PAVEMENT SECTION, DEPTHS OF AC AND AB PER SHEET CR00006

⑨ INSTALL BRICK PAVER, MATCH EXISTING STYLE, SIZE, COLOR & PATTERN

⑭ CONSTRUCT 8" HIGH TYPE A1-8 CURB PER SPPWC STD PLAN NO. 120-2

⑯ CONSTRUCT 8" HIGH TYPE A2-8 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2

㉑ CONSTRUCT 4" PCC SIDEWALK PER SPPWC STD PLAN NO. 112-2 AND 113-2, AND PER DETAIL A SHEET CR00006

㊾ INSTALL SIGNAL HOUSE

REMOVAL NOTES:

- 1 REMOVE EXISTING AC PAVEMENT
- 2 REMOVE AND SALVAGE EXISTING BRICK PAVER
- 3 REMOVE EXISTING CURB
- 4 REMOVE EXISTING CURB & GUTTER
- 5 REMOVE EXISTING SIDEWALK
- 11 REMOVE EXISTING TREE
- 15 REMOVE/RELOCATE EXISTING POWER POLE, SEE UTILITY DISPOSITION PLANS
- 18 REMOVE EXISTING RAIL EQUIPMENT PER SIGNAL PLANS
- 24 REMOVE AND SALVAGE EXISTING SIGN
- 25 REMOVE EXISTING PCC PAVEMENT
- 26 REMOVE EXISTING AC CURB

DOT 027233A, CPUC 101 SG-64.02

REV.	DATE		BY / SUB.	APP.
1	07-19-19	ADDED CITY SIGNATURE	TJ	SG
0	[illegible]	CONFORMED	TJ	SG

Redlands Regular Meeting of 09-20-2022

DESIGNED BY J. SONG
DRAWN BY J. KUO
CHECKED BY J. BROWN
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

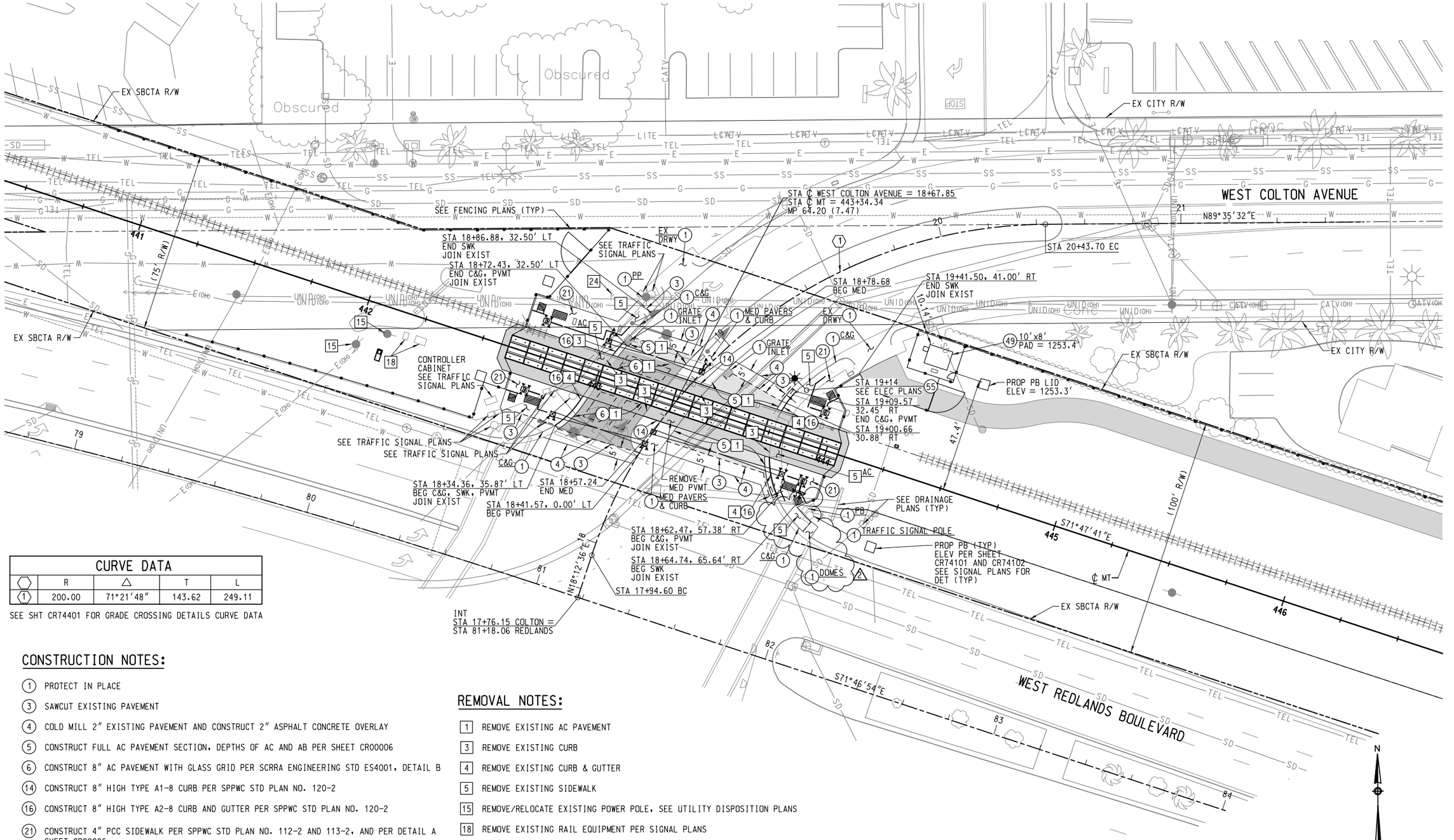
△1 Accepted By
Savat Khamphou
Savat Khamphou, Engineering Manager, R.C.E. 62019

JIANSHENG SONG
No. 71849
Exp. 12/31/19
CIVIL

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
ALABAMA STREET – MP 64.02 (7.29)
LAYOUT

CONTRACT NO. 17-1001705
DRAWING NO. CR73101
REVISION
SHEET NO.
SCALE 1"=20'



CURVE DATA				
	R	Δ	T	L
1	200.00	71°21'48"	143.62	249.11

SEE SHT CR74401 FOR GRADE CROSSING DETAILS CURVE DATA

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
3. SAWCUT EXISTING PAVEMENT
4. COLD MILL 2" EXISTING PAVEMENT AND CONSTRUCT 2" ASPHALT CONCRETE OVERLAY
5. CONSTRUCT FULL AC PAVEMENT SECTION, DEPTHS OF AC AND AB PER SHEET CR00006
6. CONSTRUCT 8" AC PAVEMENT WITH GLASS GRID PER SCRRA ENGINEERING STD ES4001, DETAIL B
14. CONSTRUCT 8" HIGH TYPE A1-8 CURB PER SPPWC STD PLAN NO. 120-2
16. CONSTRUCT 8" HIGH TYPE A2-8 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2
21. CONSTRUCT 4" PCC SIDEWALK PER SPPWC STD PLAN NO. 112-2 AND 113-2, AND PER DETAIL A SHEET CR00006
49. INSTALL SIGNAL HOUSE
55. INSTALL STREET LIGHT PER ELECTRICAL PLANS

REMOVAL NOTES:

1. REMOVE EXISTING AC PAVEMENT
3. REMOVE EXISTING CURB
4. REMOVE EXISTING CURB & GUTTER
5. REMOVE EXISTING SIDEWALK
15. REMOVE/RELOCATE EXISTING POWER POLE, SEE UTILITY DISPOSITION PLANS
18. REMOVE EXISTING RAIL EQUIPMENT PER SIGNAL PLANS
24. REMOVE AND SALVAGE EXISTING SIGN

DOT 027234G, CPUC 101 SG-64.20

REV.	DATE		BY	SUB.	APP.
2	02-27-20	DCN 14 REVISIONS PER CORRECTED SURVEY	EA		CC
1	07-19-19	ADDED CITY SIGNATURE	TJ		SG
0	05-18-18	Redlands Regular Meeting of 09-20-2022	TJ		SG

DESIGNED BY J. SONG
DRAWN BY J. KUO
CHECKED BY J. BROWN
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

Accepted By
Savat Khamphou, Engineering Manager, R.C.E. 62019

REGISTERED PROFESSIONAL ENGINEER
CHARLES CHRISTOPLIS
No. 045570
CIVIL
STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
WEST COLTON AVENUE – MP 64.20 (7.47)
LAYOUT

CONTRACT NO. 17-1001705
DRAWING NO. CR74101
REVISION | SHEET NO.
SCALE 1"=20'
205 of 359

3/24/2020 3:56:45 PM EARANDA
\\Pwpapsac01\California_Sacramento\Documents\351426\CON0102831\0000000002683396.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions\Sheet Files - Construction Revisions\06a_CIVIL\ROADWAY\26495-06a_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_PlotDRV\SANBAG-11x17bw_pdf.pltcfg
\\Pwpapsac01\California_Sacramento\Documents\351426\CON0102831\0000000002683396.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_PlotDRV\SANBAG-11x17bw.tbl
\\pwworking.scc.d0990737\SANBAG-11x17bw_pdf.pltcfg

8/7/2019 2:51:46 PM KCARR
\\pwappsac01\California_Sacramento\Documents\351426\CON0102831\0000000000268339\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions\Sheet Files - Construction Revisions\06a_CIVIL\ROADWAY\26495-06a-CR78101.dgn
\\pwappsac01\California_Sacramento\Documents\351426\CON0102831\0000000000268339\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_PlotDRV\SANBAG_BW.tbl
\\pwappsac01\California_Sacramento\Documents\351426\CON0102831\0000000000268339\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_PlotDRV\SANBAG-11x17bw_pdf.pltcfg
\\pwworking.sac\d0990737\SANBAG-11x17bw_pdf.pltcfg

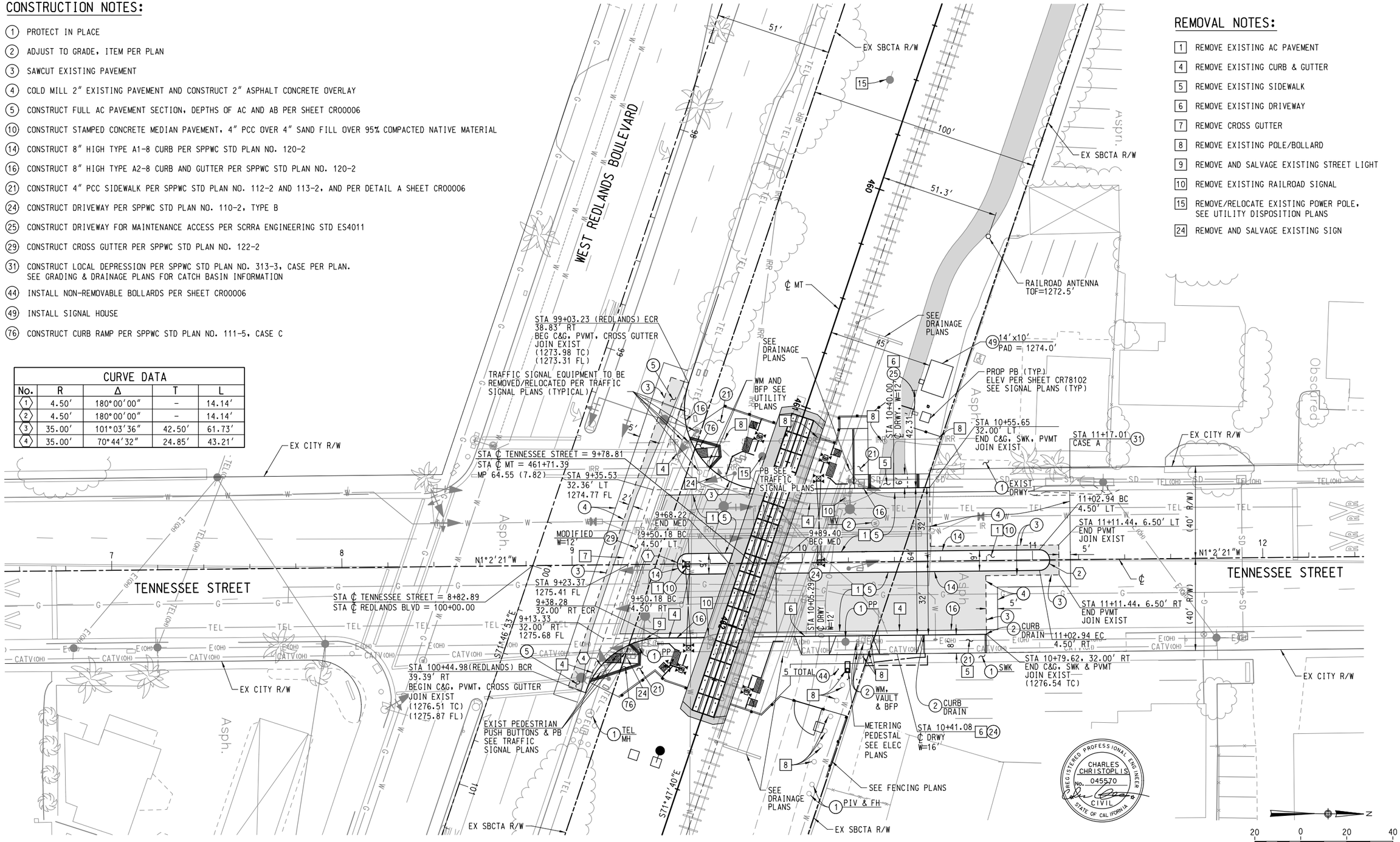
CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST TO GRADE, ITEM PER PLAN
3. SAWCUT EXISTING PAVEMENT
4. COLD MILL 2" EXISTING PAVEMENT AND CONSTRUCT 2" ASPHALT CONCRETE OVERLAY
5. CONSTRUCT FULL AC PAVEMENT SECTION, DEPTHS OF AC AND AB PER SHEET CR00006
10. CONSTRUCT STAMPED CONCRETE MEDIAN PAVEMENT, 4" PCC OVER 4" SAND FILL OVER 95% COMPACTED NATIVE MATERIAL
14. CONSTRUCT 8" HIGH TYPE A1-8 CURB PER SPPWC STD PLAN NO. 120-2
16. CONSTRUCT 8" HIGH TYPE A2-8 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2
21. CONSTRUCT 4" PCC SIDEWALK PER SPPWC STD PLAN NO. 112-2 AND 113-2, AND PER DETAIL A SHEET CR00006
24. CONSTRUCT DRIVEWAY PER SPPWC STD PLAN NO. 110-2, TYPE B
25. CONSTRUCT DRIVEWAY FOR MAINTENANCE ACCESS PER SCRRA ENGINEERING STD ES4011
29. CONSTRUCT CROSS GUTTER PER SPPWC STD PLAN NO. 122-2
31. CONSTRUCT LOCAL DEPRESSION PER SPPWC STD PLAN NO. 313-3, CASE PER PLAN. SEE GRADING & DRAINAGE PLANS FOR CATCH BASIN INFORMATION
44. INSTALL NON-REMOVABLE BOLLARDS PER SHEET CR00006
49. INSTALL SIGNAL HOUSE
76. CONSTRUCT CURB RAMP PER SPPWC STD PLAN NO. 111-5, CASE C

CURVE DATA				
No.	R	Δ	T	L
1	4.50′	180°00′00″	-	14.14′
2	4.50′	180°00′00″	-	14.14′
3	35.00′	101°03′36″	42.50′	61.73′
4	35.00′	70°44′32″	24.85′	43.21′

REMOVAL NOTES:

1. REMOVE EXISTING AC PAVEMENT
4. REMOVE EXISTING CURB & GUTTER
5. REMOVE EXISTING SIDEWALK
6. REMOVE EXISTING DRIVEWAY
7. REMOVE CROSS GUTTER
8. REMOVE EXISTING POLE/BOLLARD
9. REMOVE AND SALVAGE EXISTING STREET LIGHT
10. REMOVE EXISTING RAILROAD SIGNAL
15. REMOVE/RELOCATE EXISTING POWER POLE, SEE UTILITY DISPOSITION PLANS
24. REMOVE AND SALVAGE EXISTING SIGN



DOT 027235N, CPUC 101 SG-64.55

REV.	DATE		BY	SUB.	APP.
1	07-19-19	ADDED CITY SIGNATURE	TJ		SG
		Redlands Regular Meeting of 09-20-2022	TJ		SG

DESIGNED BY J. SONG
DRAWN BY J. KUO
CHECKED BY J. BROWN
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Sulte 100
Riverside, CA 92501-2110
(951) 320-7300

Accepted By
Savat Khamphou, Engineering Manager, R.C.E. 62019

REGISTERED PROFESSIONAL ENGINEER JIANHENG SONG No. 71849 Exp. 12/31/19 CIVIL STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER CHARLES CHRISTOPLIS No. 045570 CIVIL STATE OF CALIFORNIA

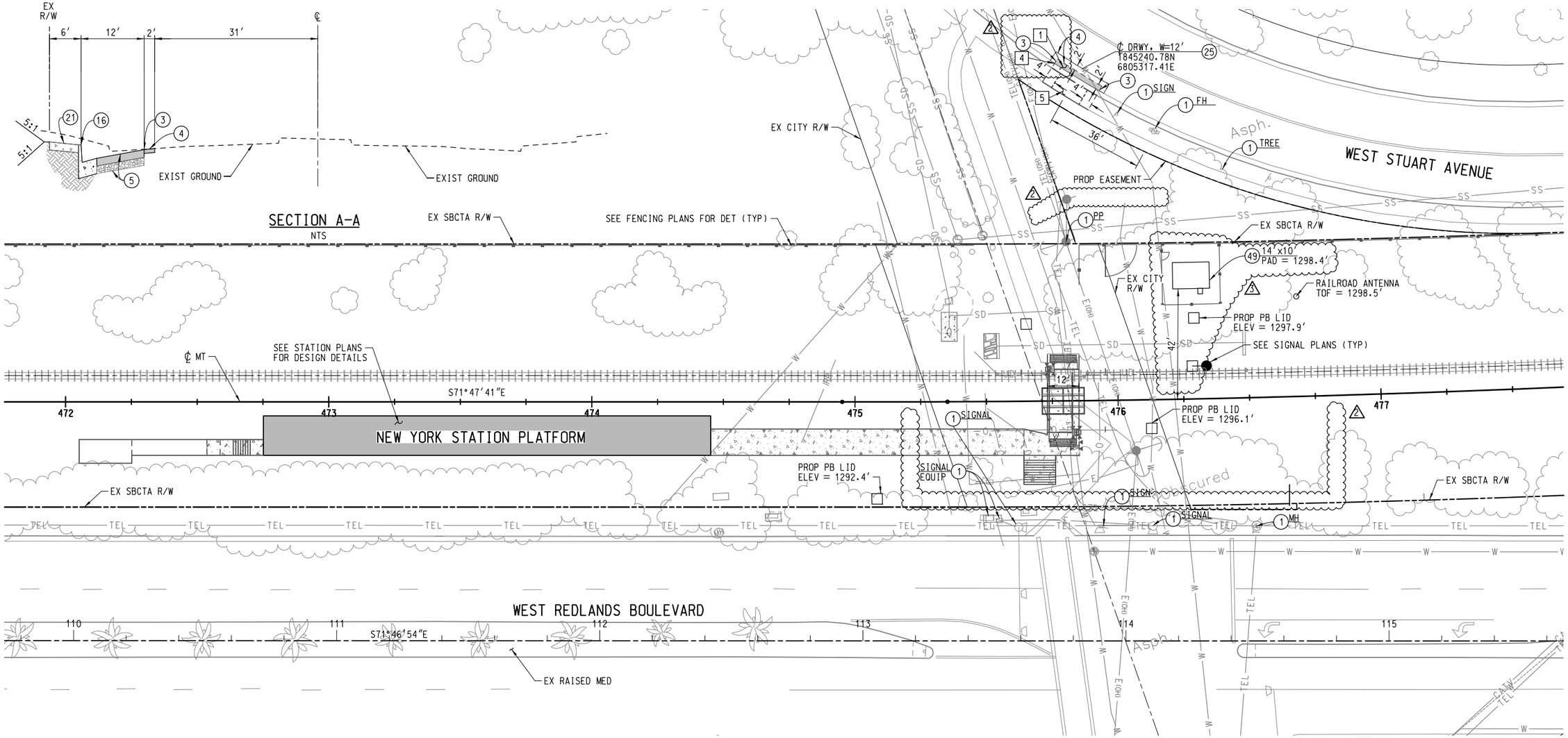
REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
TENNESSEE STREET – MP 64.55 (7.82)
LAYOUT

CONTRACT NO. 17-1001705
DRAWING NO. CR78101
REVISION | SHEET NO.
SCALE 1″=20′

4/27/2020 3:49:44 PM USER = TJACQUES
\\pwpprsac01\California_Sacramento\Documents\SANBAG_RPRP_Final_Design\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions\Sheet Files - Construction Revisions\06a_CR80101.dgn
\\pwpprsac01\California_Sacramento\Documents\SANBAG\SANBAG_RPRP_Final_Design\SCRRA\CAD_STD\SCRRA_HYBRID\Pen Table\PlotStamp
\\pwworking.sac.\d0990737\SANBAG-11x17bw_pdf.plt

SECTION A-A
NTS



CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST TO GRADE, ITEM PER PLAN
3. SAWCUT EXISTING PAVEMENT
4. COLD MILL 2" EXISTING PAVEMENT AND CONSTRUCT 2" ASPHALT CONCRETE OVERLAY
5. CONSTRUCT FULL AC PAVEMENT SECTION, DEPTHS OF AC AND AB PER SHEET CR00006
16. CONSTRUCT 8" HIGH TYPE A2-8 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2
21. CONSTRUCT 4" PCC SIDEWALK PER SPPWC STD PLAN NO. 112-2 AND 113-2, AND PER DETAIL A SHEET CR00006
25. CONSTRUCT DRIVEWAY FOR MAINTENANCE ACCESS PER SCRRA ENGINEERING STD ES4011
- ~~26. CONSTRUCT CURB RAMP PER SPPWC STD PLAN NO. 111-5, CASE A, TYPE 1~~
- ~~40. INSTALL ADA DETECTABLE WARNING SURFACE (RAISED TRUNCATED DOME), DIMENSIONS PER PLAN~~
49. INSTALL SIGNAL HOUSE

REMOVAL NOTES:

1. REMOVE EXISTING AC PAVEMENT
4. REMOVE EXISTING CURB & GUTTER
5. REMOVE EXISTING SIDEWALK
- ~~11. REMOVE EXISTING TREE~~

LINE/CURVE DATA

No.	R	Δ	T	L
1	100.00'	7°57'00"	6.95'	13.88'
2	50.00'	7°57'00"	3.52'	7.02'
3	100.00'	9°50'40"	8.61'	17.18'
4	100.00'	9°37'43"	8.42'	16.81'
5	—	S79°43'54"E	—	27.52'
6	—	S62°09'10"E	—	30.98'
7	—	N74°49'23"W	—	60.09'

20 0 20 40
SCALE: 1"=20'

DOT 027237C, CPUC 101 SG-64.82

REV.	DATE		BY	SUB.	APP.
3	04-27-20	RFI 0548	TJ		AS
2	12-02-19	DCN 07	TJ		AS
1	07-19-19	ADDED CITY SIGNATURE	TJ		SG
			TJ		SG

DESIGNED BY J. SONG
DRAWN BY J. KUO
CHECKED BY J. BROWN
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

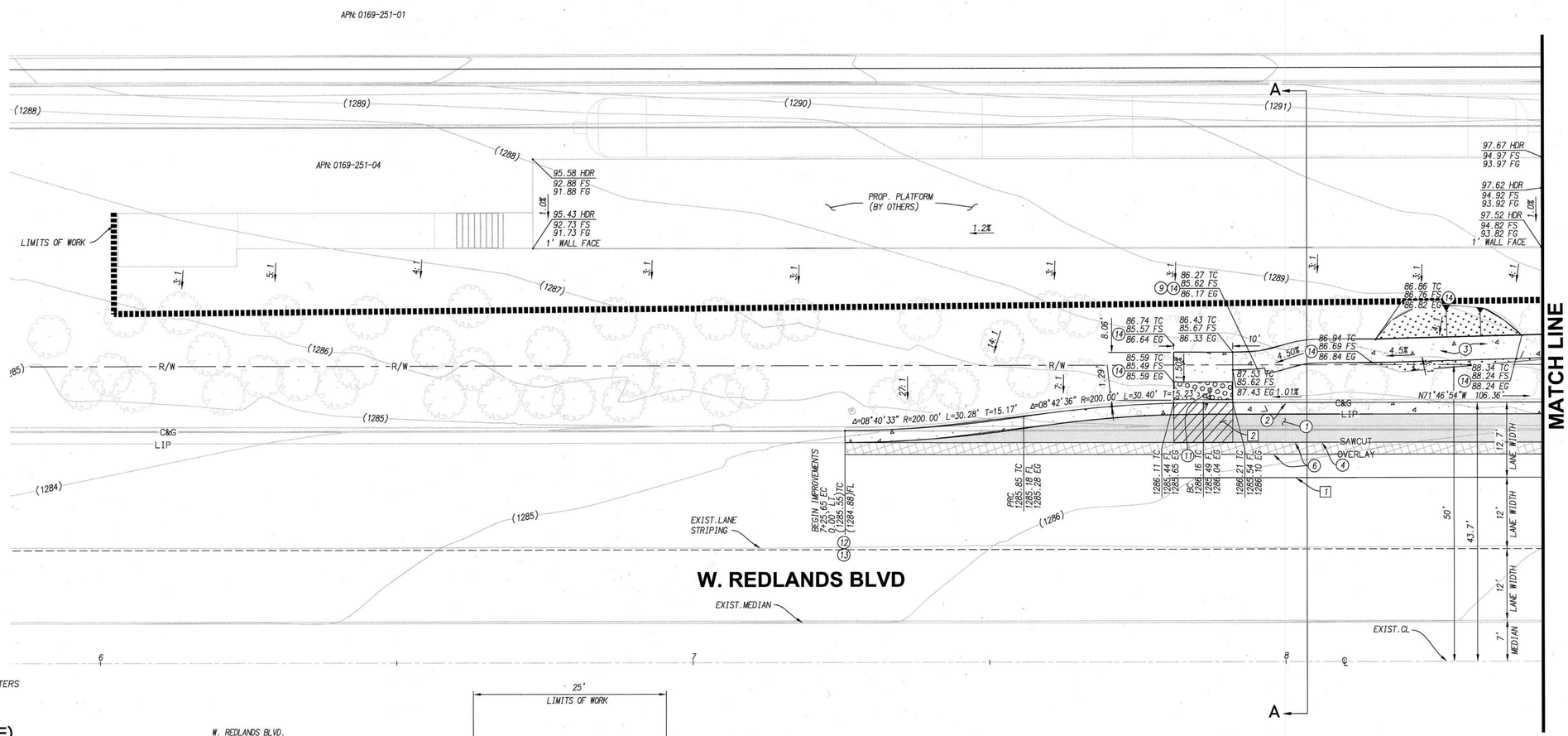
Accepted By
Savat Khamphou, Engineering Manager, R.C.E. 62019

REGISTERED PROFESSIONAL ENGINEER
CHARLES CHRISTOPLIS
No. 045570
CIVIL
STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
NEW YORK STATION – MP 64.82 (8.09)

CONTRACT NO. 17-1001705
DRAWING NO. CR80101
REVISION | SHEET NO.
SCALE 1"=20'



STRIPING NOTES

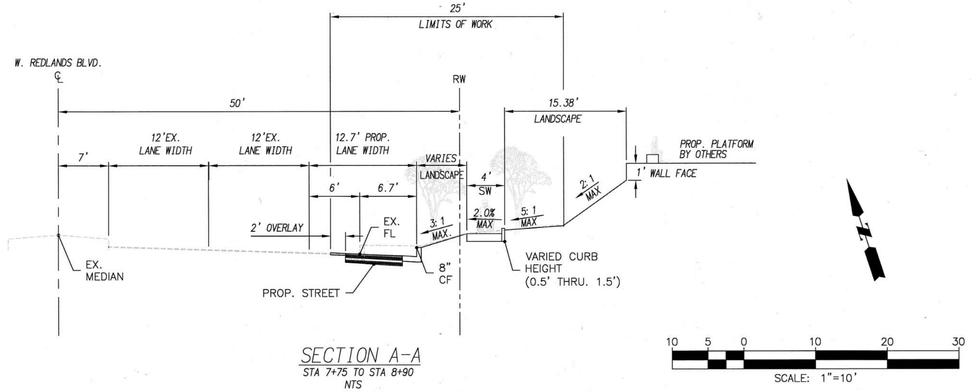
1. PAINT 8" TYPE 38A CHANNELIZING LINE PER. CALTRANS STD. PLAN A20D. (WHITE)
2. PAINT 4 WHITE LINE DIAGONALS AT 3'-0" MAX CENTERS WITH 4" BLUE LINE BORDERS.

CONSTRUCTION NOTES (OFFSITE)

1. CONSTRUCT A MINIMUM OF 0.30' AC PAVEMENT OVER 0.35' CLASS II BASE (MATCH EXISTING)
2. CONSTRUCT CURB AND GUTTER [A2-(8)200] PER SPPWC STD. NO. 120-2.
3. CONST. 7" PCC WALKWAY PER SPPWC STD PLAN 112-2, 113-2, AND DETAIL A ON CR00006
4. SAWCUT EXISTING AC PAVEMENT
6. COLD PLANE AND OVERLAY (0.20' MIN.) EXISTING AC PAVEMENT
7. PROTECT IN PLACE
8. ADJUST TO GRADE
9. REMOVE AND RELOCATE EXISTING TREE/SHRUB
11. INSTALL DETECTABLE WARNING SURFACE PER DETAIL SHOWN ON SPPWC STD. NO. 111-4.
12. PAINT CURB WHITE
13. REMOVE AND DISPOSE EXISITING CURB AND GUTTER
14. INSTALL RETAINING CURB (VARIABLE HIEGHT)

CONSTRUCTION NOTES (ONSITE)

3. CONSTRUCT 7" PCC WALKWAY PER SPPWC STD. PLAN NO. 112-2,113-2, AND DETAIL A ON CR00006
5. REMOVE AND RELOCATE POWER POLE AND GUYWIRE BY OTHERS
7. PROTECT IN PLACE
8. ADJUST TO GRADE
10. HANDRAILS - SEE ARCHITECTURAL PLANS
11. INSTALL DETECTABLE WARNING SURFACE PER DETAIL SHOWN ON SPPWC STD. NO. 111-4.
14. INSTALL RETAINING CURB (VARIABLE HEIGHT)



SECTION A-A
STA 7+75 TO STA 8+90
NTS

10 5 0 10 20 30
SCALE: 1"=10'

CASC
Engineering and Consulting
1470 EAST COOLEY DRIVE
COLTON, CA 92324
PH. (909) 783-0101 FAX (909) 783-0108
CITY BUSINESS LICENSE NO. 1005558
PREPARED UNDER THE SUPERVISION OF:
ANTHONY M. MISTRETTA R.C.E. NO. 082755
DATE 10/29/19

REGISTERED PROFESSIONAL ENGINEER
ANTHONY M. MISTRETTA
NO. C 082755
CIVIL
STATE OF CALIFORNIA

CITY OF REDLANDS
Municipal Utilities and Engineering Department

STREET DROP OFF & PEDESTRIAN WALK IMP. PLAN FOR METRO LINK HUB, NEW YORK ST. REDLANDS, CA 92373

PLAN AND SECTION

2313-ST 02/05

Underground Service Alert
SECTION 4216/4217 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A PERMIT TO EXCAVATE WILL BE VALID
FOR YOUR DIG ALERT I.D. NUMBER CALL UNDERGROUND SERVICE ALERT
TOLL FREE 1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

BASIS OF BEARING
THE BEARING SHOWN HERON ARE BASED IN THE CENTERLINE OF ORIENTAL AVENUE AS SHOWN ON PARCEL MAP NO. 11197 FILED IN BOOK 140 AT PAGES 93-95 SAN BERNARDINO COUNTY RECORDS, BEING NORTH 89°43'43" EAST.

BENCHMARK
A 2" BRASS DISK ON TOP OF CURB, 1' EAST OF THE BCR AT THE NORTH EAST CORNER OF STATE STREET AND CENTER STREET, STAMPED "CITY OF REDLANDS BENCHMARK R-58"
ELEVATION = 1317.794'

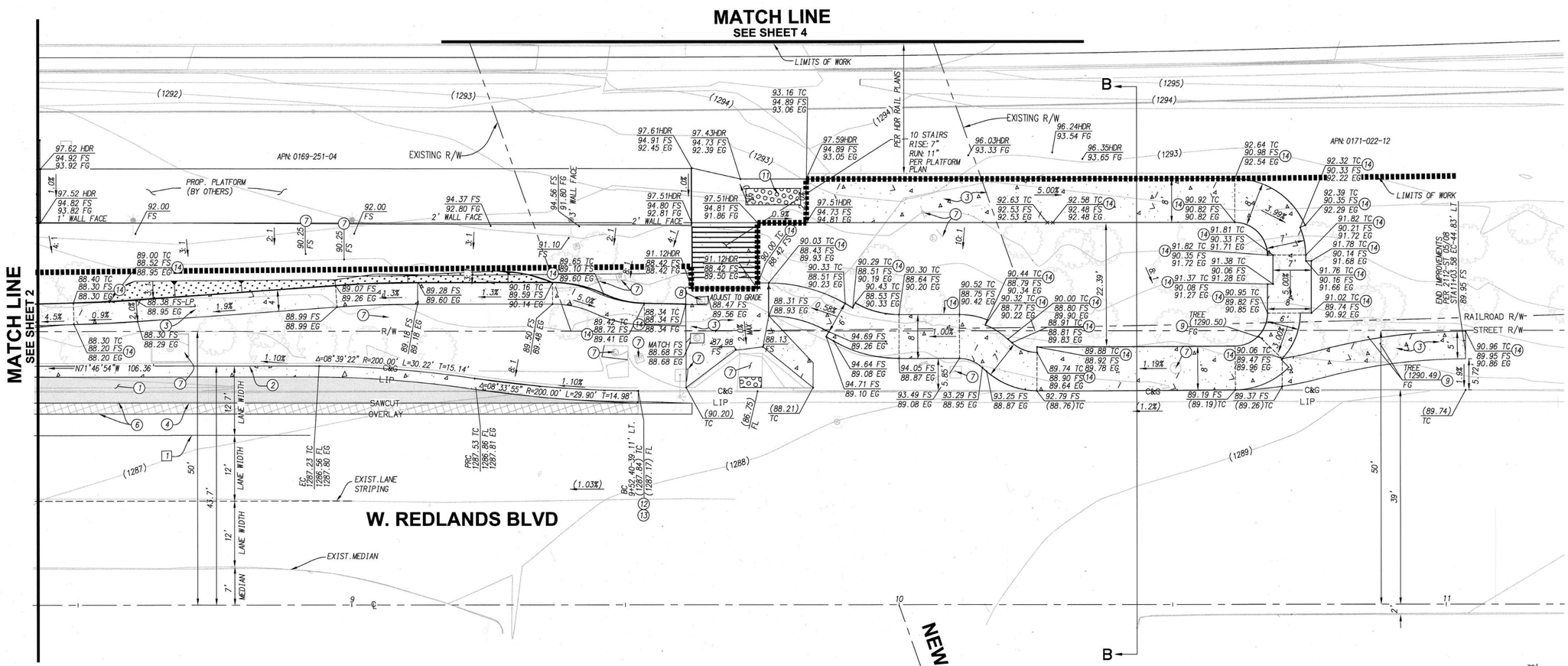
Esri
380 NEW YORK STREET
REDLANDS, CA 92373
(909) 793-2853

Letter	Description	Date	Initial	Initial

Revisions

Checked by: JB Date: 10-30-19
Checked by: EE Date: 10-30-19
Checked by: Date:
Checked by: Date:
REVIEWED BY: Mark Rynkiewicz, Civil Engineer Date: 10-30-19 RCE 56078
ACCEPTED BY: Donald P. Young, One Stop Permit Center Mgr. RCE 49918 DATE: 10/31/19
Sheet 2 of 5 Sheets

C:\1188-0168 NEW YORK STATION\ENGINEERING\PRECISE GRADING PLAN\1188-0168 PIC_01-05.DWG, Last plotted by:Anthony Acosta Tuesday, October 29, 2019 4:18:12 PM



STRIPING NOTES

[1] PAINT 8" TYPE 38A CHANNELIZING LINE PER. CALTRANS STD. PLAN A20D. (WHITE)

CONSTRUCTION NOTES (ONSITE)

(1) CONSTRUCT A MINIMUM OF 0.30' AC PAVEMENT OVER 0.35' CLASS II BASE.(756 SF), (MATCH EXISTING)
(2) CONSTRUCT CURB AND GUTTER [A2-(8)200] PER SPPWC STD. NO. 120-2.
(3) CONST. 7" PCC WALKWAY PER SPPWC STD PLAN 112-2, 113-2, AND DETAIL A ON CR00006
(4) SAWCUT EXISTING AC PAVEMENT
(5) REMOVE AND RELOCATE POWER POLE AND GUYWIRE BY OTHERS
(6) COLD PLANE AND OVERLAY (0.20' MIN.) EXISTING AC PAVEMENT
(7) PROTECT IN PLACE
(8) ADJUST TO GRADE
(9) REMOVE AND RELOCATE EXISTING TREE/SHRUB
(10) HANDRAILS - SEE ARCHITECTURAL PLANS
(11) INSTALL DETECTABLE WARNING SURFACE PER DETAIL SHOWN ON SPPWC STD. NO. 111-4.
(12) PAINT CURB WHITE
(13) REMOVE AND DISPOSE EXISITING CURB AND GUTTER
(14) INSTALL RETAINING CURB (VARIABLE HIEGHT)

CONSTRUCTION NOTES (OFFSITE)

(3) CONSTRUCT 7" PCC WALKWAY PER SPPWC STD. PLAN NO. 112-2,113-2, AND DETAIL A ON CR00006
(5) REMOVE AND RELOCATE POWER POLE AND GUYWIRE BY OTHERS
(7) PROTECT IN PLACE
(8) ADJUST TO GRADE
(10) HANDRAILS - SEE ARCHITECTURAL PLANS
(11) INSTALL DETECTABLE WARNING SURFACE PER DETAIL SHOWN ON SPPWC STD. NO. 111-4.
(14) INSTALL RETAINING CURB (VARIABLE HEIGHT)

Underground Service Alert
SECTION 4216/4217 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A PERMIT TO EXCAVATE WILL BE VALID
FOR YOUR DIG ALERT I.D. NUMBER CALL UNDERGROUND SERVICE ALERT
TOLL FREE 1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

BASIS OF BEARING

THE BEARING SHOWN HERON ARE BASED IN THE CENTERLINE OF ORIENTAL AVENUE AS SHOWN ON PARCEL MAP NO. 11197 FILED IN BOOK 140 AT PAGES 93-95 SAN BERNARDINO COUNTY RECORDS, BEING NORTH 89°43'43" EAST.

BENCHMARK

A 2" BRASS DISK ON TOP OF CURB, 1' EAST OF THE BCR AT THE NORTH EAST CORNER OF STATE STREET AND CENTER STREET, STAMPED "CITY OF REDLANDS BENCHMARK R-58"

ELEVATION = 1317.794'

Esri
380 NEW YORK STREET
REDLANDS, CA 92373
(909) 793-2853

Letter	Description	Date	Initial	Initial

Revisions

CASC
Engineering and Consulting
1470 EAST COOLEY DRIVE
COLTON, CA 92324
PH. (909) 783-0101 FAX (909) 783-0108
CITY BUSINESS LICENSE NO. 1005558

PREPARED UNDER THE SUPERVISION OF:
ANTHONY M. MISTRETTA R.C.E. NO. 082755
DATE: 10/29/19

REGISTERED PROFESSIONAL ENGINEER
ANTHONY M. MISTRETTA
NO. C 082755
CIVIL
STATE OF CALIFORNIA

CITY OF REDLANDS
Municipal Utilities and Engineering Department

STREET DROP OFF & PEDESTRIAN WALK IMP. PLAN FOR METRO LINK HUB, NEW YORK ST. REDLANDS, CA 92373

PLAN AND SECTION

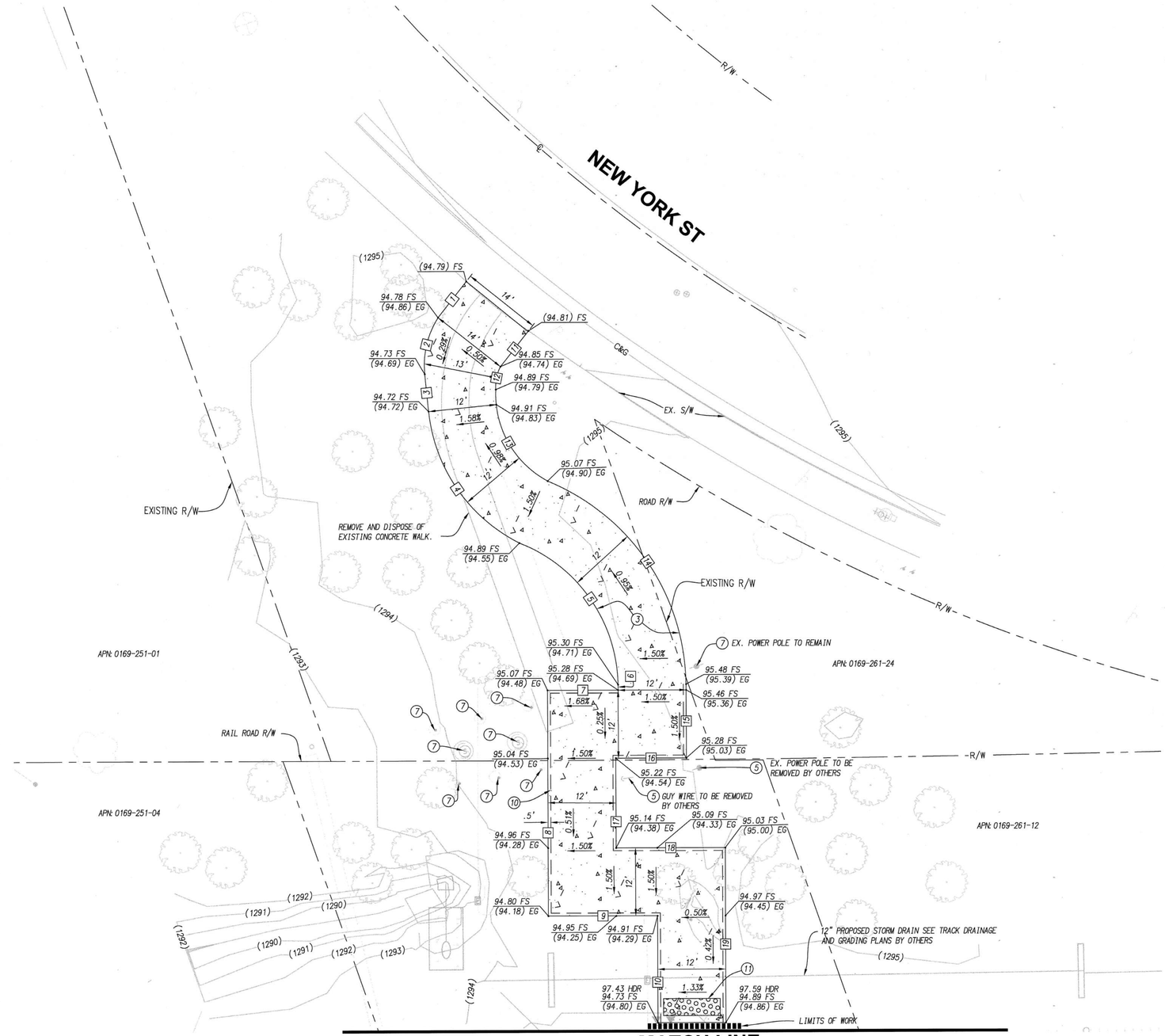
Checked by: JB Date: 10-30-19
Checked by: EE Date: 10-30-19
Checked by: Date:
Checked by: Date:

REVIEWED BY: Mark Rynkiewicz Date: 10-30-19
Mark Rynkiewicz, Civil Engineer RCE 56078
ACCEPTED BY: Donald P. Young Date: 10/31/19
Donald P. Young, One Stop Permit Center Mgr. RCE 49918

Sheet 3 of 5 Sheets

2313-ST 03/05

G:\1188-0168 NEW YORK STATION\ENGINEERING\PRECISE GRADING PLAN\1188-0168 PG_01-05.DWG, Last plotted by:Anthony Acosta Tuesday, October 29, 2019 4:54:14 PM



MATCH LINE
SEE SHEET 3

LINE AND CURVE DATA				
NO	BEARING/DELTA	RADIUS	LENGTH	TANGENT
1	N56°33'50"E	---	8.09'	
2	Δ=38°29'54"	15.58'	10.47'	5.44'
3	N12°27'42"E	---	6.61'	
4	Δ=57°24'24"	29.33'	29.38'	16.06'
5	Δ=68°00'06"	27.20'	32.28'	18.35'
6	N18°13'12"E	---	0.96'	
7	N71°46'48"W	---	12.46'	
8	N18°13'23"E	---	39.79'	
9	N71°46'36"W	---	19.26'	
10	N18°13'23"E	---	18.83'	
11	N56°33'50"E	---	8.09'	
12	Δ=30°12'36"	7.79'	4.11'	2.10'
13	Δ=64°39'46"	17.33'	19.56'	10.97'
14	Δ=67°05'05"	39.20'	45.90'	25.99'
15	N18°13'12"E	---	13.03'	
16	N71°46'48"W	---	12.46'	
17	N18°13'23"E	---	15.79'	
18	N71°46'36"W	---	19.26'	
19	N18°13'23"E	---	30.83'	

CONSTRUCTION NOTES (ONSITE)

(3) CONSTRUCT 7" PCC WALKWAY PER SPPWC STD. PLAN NO. 112-2,113-2, AND DETAIL A ON CR00006

(5) REMOVE AND RELOCATE POWER POLE AND GUYWIRE BY OTHERS

(7) PROTECT IN PLACE

(10) HANDRAILS - SEE ARCHITECTURAL PLANS

(11) INSTALL DETECTABLE WARNING SURFACE PER DETAIL SHOWN ON SPPWC STD. NO. 111-4.

(14) INSTALL RETAINING CURB (VARIABLE HEIGHT)

N

10 5 0 10 20 30

SCALE: 1"=10'

CASC
Engineering and Consulting
1470 EAST COOLEY DRIVE
COLTON, CA 92324
PH. (909) 783-0101 FAX (909) 783-0108
CITY BUSINESS LICENSE NO. 1005558

PREPARED UNDER THE SUPERVISION OF:

ANTHONY M. MISTRETTA R.C.E. NO. 082755

DATE: 10/29/19

REGISTERED PROFESSIONAL ENGINEER
ANTHONY M. MISTRETTA
NO. C 082755
CIVIL
STATE OF CALIFORNIA

CITY OF REDLANDS
Municipal Utilities and Engineering Department

STREET DROP OFF & PEDESTRIAN WALK IMP. PLAN FOR METRO LINK HUB, NEW YORK ST. REDLANDS, CA 92373

PLAN

2313-ST 04/05

Checked by: JB
Date: 10-30-19
Checked by: EG
Date: 10-30-19
Checked by:
Date:
Checked by:
Date:

REVIEWED BY: Date: 10-30-19
Mark Rynkiewicz, Civil Engineer RCE 56078
ACCEPTED BY: DATE: 10/31/19
Donald P. Young, One Stop Permit Center Mgr. RCE 49918

Sheet 4 of 5 Sheets

Underground Service Alert
SECTION 4216/4217 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A PERMIT TO EXCAVATE WILL BE VALID
FOR YOUR DIG ALERT I.D. NUMBER CALL UNDERGROUND SERVICE ALERT
TOLL FREE 1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

BASIS OF BEARING

THE BEARING SHOWN HERON ARE BASED IN THE CENTERLINE OF ORIENTAL AVENUE AS SHOWN ON PARCEL MAP NO. 11197 FILED IN BOOK 140 AT PAGES 93-95 SAN BERNARDINO COUNTY RECORDS, BEING NORTH 89°43'43" EAST.

BENCHMARK

A 2" BRASS DISK ON TOP OF CURB, 1' EAST OF THE BCR AT THE NORTH EAST CORNER OF STATE STREET AND CENTER STREET, STAMPED "CITY OF REDLANDS BENCHMARK R-58"

ELEVATION = 1317.794'

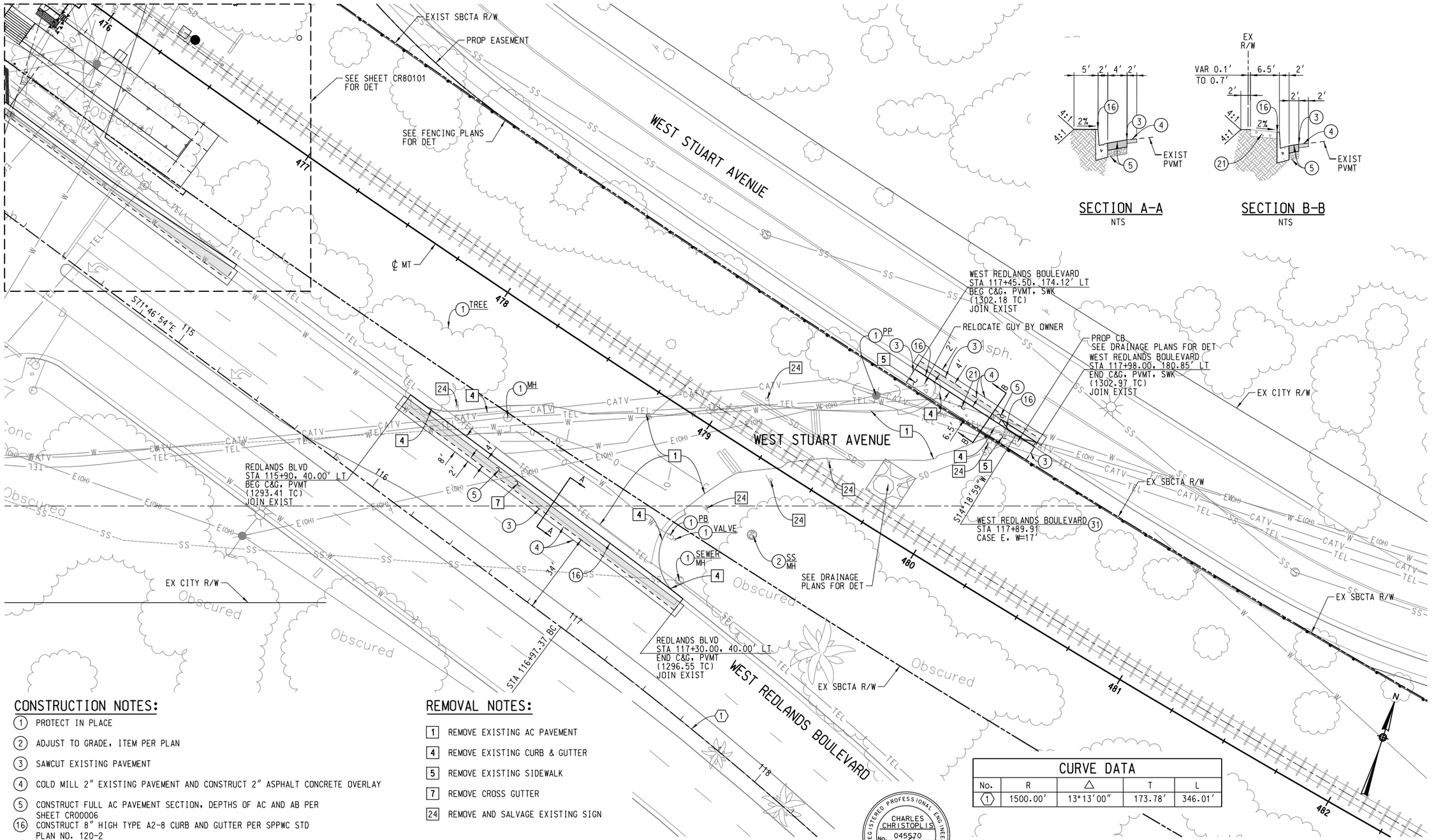
Esri
380 NEW YORK STREET
REDLANDS, CA 92373
(909) 793-2853

Letter	Description	Date	Initial	Initial

Revisions

G:\1188-0168 NEW YORK STATION\ENGINEERING\PRECISE GRADING PLAN\1188-0168 PG_01-05.DWG, Last plotted by:Anthony Acosta Tuesday, October 29, 2019 4:27:03 PM

8/7/2019 3:17:24 PM KCARR
\\pwappsac01\California_Sacramento\Documents\335428\CON0102831\0000000002683391\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions\Sheet Files - Construction Revisions\06a_CIVIL\ROADWAY\26495-06a-CIVIL-ROADWAY-CR80101.dgn
\\pwappsac01\California_Sacramento\Documents\335428\CON0102831\0000000002683391\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_Plot\DRV\SANBAG_BW.tbl
\\pwappsac01\California_Sacramento\Documents\335428\CON0102831\0000000002683391\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_Plot\DRV\SANBAG-11x17bw_pdf.pltcfg
\\pwroadfiles sac\d0990737\SANBAG-11x17bw_pdf.pltcfg



SECTION A-A
NTS

SECTION B-B
NTS

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST TO GRADE, ITEM PER PLAN
3. SAWCUT EXISTING PAVEMENT
4. COLD MILL 2" EXISTING PAVEMENT AND CONSTRUCT 2" ASPHALT CONCRETE OVERLAY
5. CONSTRUCT FULL AC PAVEMENT SECTION, DEPTHS OF AC AND AB PER SHEET CR00006
16. CONSTRUCT 8" HIGH TYPE A2-8 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2
21. CONSTRUCT 4" PCC SIDEWALK PER SPPWC STD PLAN NO. 112-2 AND 113-2, AND PER DETAIL A SHEET CR00006
31. CONSTRUCT LOCAL DEPRESSION PER SPPWC STD PLAN NO. 313-3, CASE PER PLAN. SEE GRADING & DRAINAGE PLANS FOR CATCH BASIN INFORMATION

REMOVAL NOTES:

1. REMOVE EXISTING AC PAVEMENT
4. REMOVE EXISTING CURB & GUTTER
5. REMOVE EXISTING SIDEWALK
7. REMOVE CROSS GUTTER
24. REMOVE AND SALVAGE EXISTING SIGN

CURVE DATA

No.	R	Δ	T	L
1	1500.00'	13°13'00"	173.78'	346.01'

CHARLES CHRISTOPLIS
No. 045570
REGISTERED PROFESSIONAL ENGINEER
CIVIL
STATE OF CALIFORNIA

DOT 027238J, CPUC 101 SG-64.88

REV.	DATE		BY	SUB.	APP.
1	07-19-19	ADDED CITY SIGNATURE	TJ		SG
	07-09-19	Redlands Regular Meeting of 09-20-2022	TJ		SG

DESIGNED BY J. SONG
DRAWN BY J. KUO
CHECKED BY J. BROWN
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

Accepted By
Savat Khamphou, Engineering Manager, R.C.E. 62019

REGISTERED PROFESSIONAL ENGINEER
JIANSHENG SONG
No. 71849
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
WEST STUART AVENUE – MP 64.88 (8.15)
LAYOUT

CONTRACT NO. 17-1001705
DRAWING NO. CR82101
REVISION | SHEET NO.
SCALE 1"=20'
211 of 359

8/7/2019 3:21:42 PM KCARR
P:\pwappsac01\California_Sacramento\Documents_3514\26\CON0102831\0000000002683390\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions\Sheet Files - Construction Revisions\06a_CIVIL\ROADWAY\26495-06a-CR83101.dgn
P:\pwappsac01\California_Sacramento\Documents_3514\26\CON0102831\0000000002683390\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_PlotDRV\SANBAG_BW.tbl
P:\pwworking\sac\d0990737\SANBAG-11x17bw_pat.pltcfg

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST TO GRADE, ITEM PER PLAN
3. SAWCUT EXISTING PAVEMENT
4. COLD MILL 2" EXISTING PAVEMENT AND CONSTRUCT 2" ASPHALT CONCRETE OVERLAY
5. CONSTRUCT FULL AC PAVEMENT SECTION, DEPTHS OF AC AND AB PER SHEET CR00006
10. CONSTRUCT STAMPED CONCRETE MEDIAN PAVEMENT, 4" PCC OVER 4" SAND FILL OVER 95% COMPACTED NATIVE MATERIAL
14. CONSTRUCT 8" HIGH TYPE A1-8 CURB PER SPPWC STD PLAN NO. 120-2
16. CONSTRUCT 8" HIGH TYPE A2-8 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2
21. CONSTRUCT 4" PCC SIDEWALK PER SPPWC STD PLAN NO. 112-2 AND 113-2, AND PER DETAIL A SHEET CR00006
24. CONSTRUCT DRIVEWAY PER SPPWC STD PLAN NO. 110-2, TYPE B
25. CONSTRUCT DRIVEWAY FOR MAINTENANCE ACCESS PER SCRRA ENGINEERING STD ES4011
31. CONSTRUCT LOCAL DEPRESSION PER SPPWC STD PLAN NO. 313-3, CASE PER PLAN. SEE GRADING & DRAINAGE PLANS FOR CATCH BASIN INFORMATION
42. INSTALL METAL HAND RAILING PER SPPWC STD 606-4, TYPE PER PLAN
44. INSTALL NON-REMOVABLE BOLLARDS PER SHEET CR00006
49. INSTALL SIGNAL HOUSE
55. INSTALL STREET LIGHT PER ELECTRICAL PLANS
56. CONSTRUCT PCC PAVEMENT PER PLAN
69. INSTALL CURB DRAIN PER SPPWC STD PLAN NO.150-3, CASE PER PLAN
82. INSTALL WALKWAY TURNDOWN SECTION PER DETAIL ON SHEET CR00006

REMOVAL NOTES:

1. REMOVE EXISTING AC PAVEMENT
4. REMOVE EXISTING CURB & GUTTER
5. REMOVE EXISTING SIDEWALK
6. REMOVE EXISTING DRIVEWAY
8. REMOVE EXISTING POLE/BOLLARD
10. REMOVE EXISTING RAILROAD SIGNAL
18. REMOVE EXISTING RAIL EQUIPMENT PER SIGNAL PLANS
24. REMOVE AND SALVAGE EXISTING SIGN
25. REMOVE EXISTING PCC PAVEMENT
28. REMOVE EXISTING DRAINAGE PIPE

LINE/CURVE DATA				
No.	R	Δ	T	L
1	3.00	177°42'40"	150.18	9.30
2	2.00	175°41'39"	53.20	6.13
3	–	N01°08'49"E	–	76.63
4	–	N03°09'32"W	–	56.54
5	–	N01°16'58"E	–	75.18

DOT 027239R, CPUC 101 SG-65.07

SCALE: 1"=20'

CHARLES CHRISTOPLIS No. 045570 CIVIL REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA

REV.	DATE		BY	SUB	APP.
1	07-19-19	ADDED CITY SIGNATURE	TJ		SG
		Redlands Regular Meeting of 09-20-2022	TJ		SG

DESIGNED BY J. SONG
DRAWN BY J. KUO
CHECKED BY J. BROWN
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

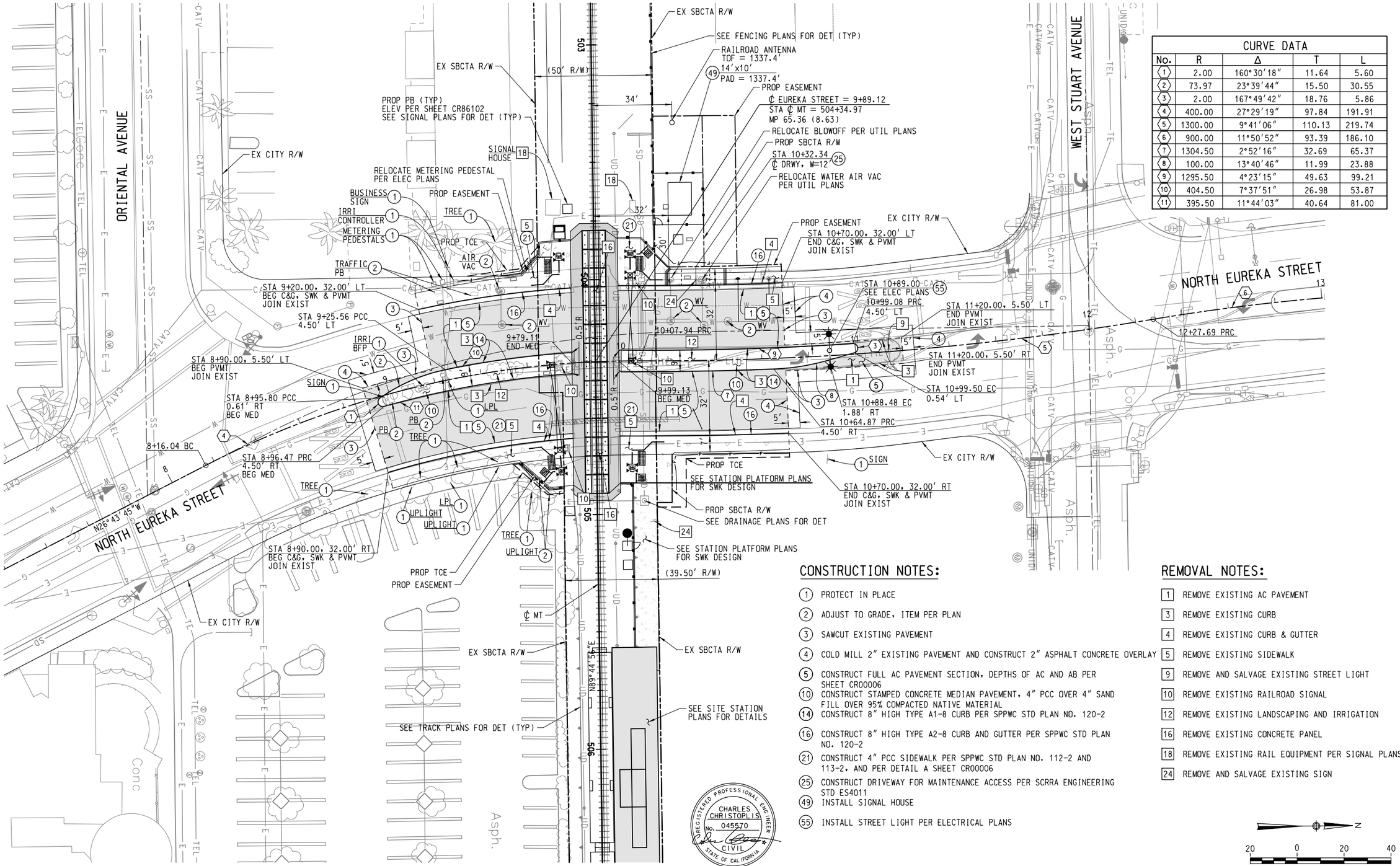
Accepted By
Savat Khamphou, Engineering Manager, R.C.E. 62019

HANSHENG SONG No. 71849 Exp. 12/31/19 CIVIL REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
TEXAS STREET – MP 65.07 (8.34)
LAYOUT

CONTRACT NO. 17-1001705
DRAWING NO. CR83101
REVISION | SHEET NO.
SCALE 1"=20'



CURVE DATA				
No.	R	Δ	T	L
1	2.00	160°30'18"	11.64	5.60
2	73.97	23°39'44"	15.50	30.55
3	2.00	167°49'42"	18.76	5.86
4	400.00	27°29'19"	97.84	191.91
5	1300.00	9°41'06"	110.13	219.74
6	900.00	11°50'52"	93.39	186.10
7	1304.50	2°52'16"	32.69	65.37
8	100.00	13°40'46"	11.99	23.88
9	1295.50	4°23'15"	49.63	99.21
10	404.50	7°37'51"	26.98	53.87
11	395.50	11°44'03"	40.64	81.00

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST TO GRADE, ITEM PER PLAN
3. SAWCUT EXISTING PAVEMENT
4. COLD MILL 2" EXISTING PAVEMENT AND CONSTRUCT 2" ASPHALT CONCRETE OVERLAY
5. CONSTRUCT FULL AC PAVEMENT SECTION, DEPTHS OF AC AND AB PER SHEET CR00006
10. CONSTRUCT STAMPED CONCRETE MEDIAN PAVEMENT, 4" PCC OVER 4" SAND FILL OVER 95% COMPACTED NATIVE MATERIAL
14. CONSTRUCT 8" HIGH TYPE A1-8 CURB PER SPPWC STD PLAN NO. 120-2
16. CONSTRUCT 8" HIGH TYPE A2-8 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2
21. CONSTRUCT 4" PCC SIDEWALK PER SPPWC STD PLAN NO. 112-2 AND 113-2, AND PER DETAIL A SHEET CR00006
25. CONSTRUCT DRIVEWAY FOR MAINTENANCE ACCESS PER SCRRA ENGINEERING STD ES4011
49. INSTALL SIGNAL HOUSE
55. INSTALL STREET LIGHT PER ELECTRICAL PLANS

REMOVAL NOTES:

1. REMOVE EXISTING AC PAVEMENT
3. REMOVE EXISTING CURB
4. REMOVE EXISTING CURB & GUTTER
5. REMOVE EXISTING SIDEWALK
9. REMOVE AND SALVAGE EXISTING STREET LIGHT
10. REMOVE EXISTING RAILROAD SIGNAL
12. REMOVE EXISTING LANDSCAPING AND IRRIGATION
16. REMOVE EXISTING CONCRETE PANEL
18. REMOVE EXISTING RAIL EQUIPMENT PER SIGNAL PLANS
24. REMOVE AND SALVAGE EXISTING SIGN

CHARLES CHRISTOPLIS
No. 045570
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

N

20 0 20 40
SCALE: 1"=20'

DOT 027240K, CPUC 101 SG-65.36

REV.	DATE		BY	SUB.	APP.
1	07-19-19	ADDED CITY SIGNATURE	TJ		SG
		Redlands Regular Meeting: 09-20-2022	TJ		SG

DESIGNED BY J. SONG
DRAWN BY J. KUO
CHECKED BY J. BROWN
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

Accepted By
Savat Khamphou, Engineering Manager, R.C.E. 62019

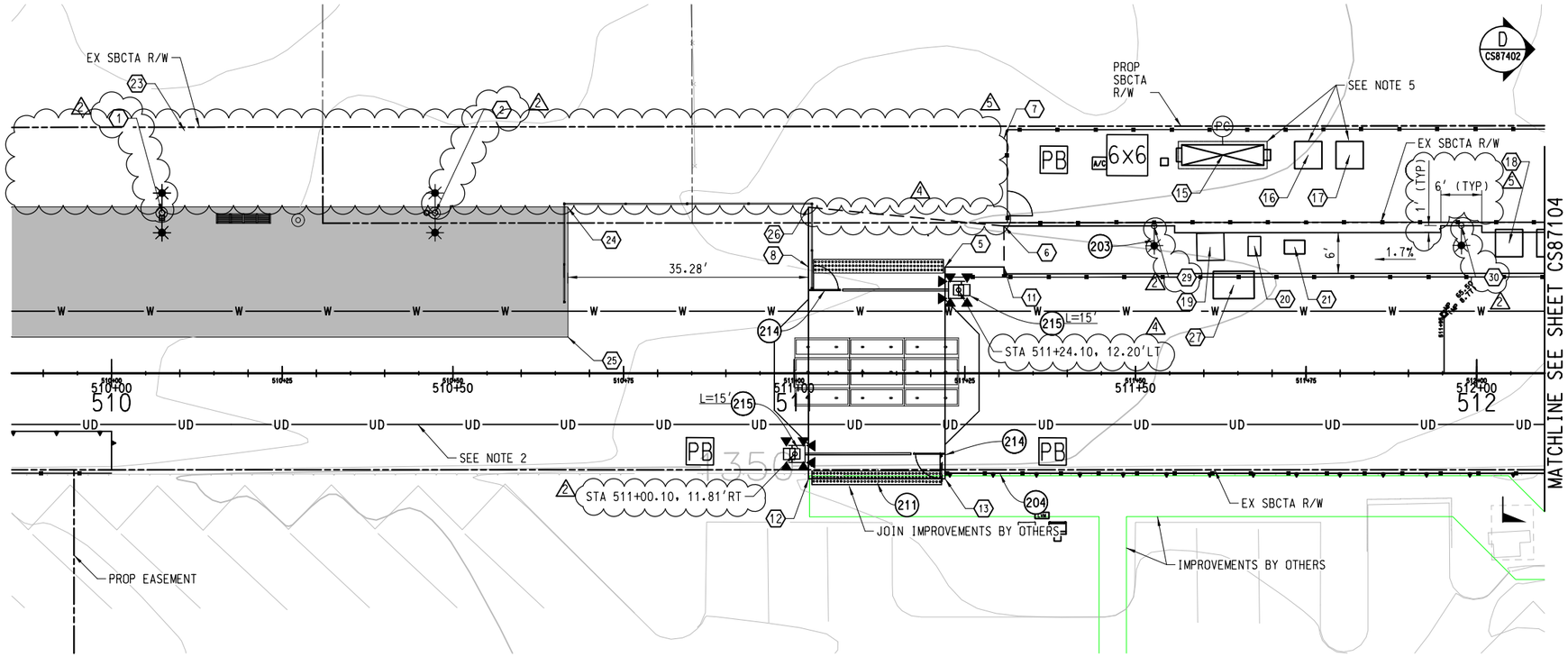
REGISTERED PROFESSIONAL ENGINEER
JIANSHENG SONG
No. 71849
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
NORTH EUREKA STREET – MP 65.36 (8.63)
LAYOUT

CONTRACT NO. 17-1001705
DRAWING NO. CR86101
REVISION | SHEET NO.
SCALE 1"=20'
213 of 359

8/7/2019 3:46:00 PM KCARR
\\pwpsac01fcalifornia_Sacramento\Documents\351426\CON0102831\0000000000268339\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions\Sheet Files - Construction Revisions\06a_CIVIL\ROADWAY\26495-0
\\pwpsac01fcalifornia_Sacramento\Documents\351426\CON0102831\0000000000268339\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_PlotDRV\SANBAG_BW.tbl
\\pwpsac01fcalifornia_Sacramento\Documents\351426\CON0102831\0000000000268339\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_PlotDRV\SANBAG-11x17bw_pdf.plt.cfg
\\pwpsac01fcalifornia_Sacramento\Documents\351426\CON0102831\0000000000268339\6.0_CAD_BIM\working\sco\d09907377\SANBAG-11x17bw_pdf.plt.cfg
8/7/2019



	STA.	OFFSET		DESCRIPTION	ELEV
1	510+07.38	23.50	LT	LUMINAIRE	
2	510+47.38	23.50	LT	LUMINAIRE	
3	511+07.80	34.33	LT	LUMINAIRE	
4	511+02.10	34.31	LT	WALKWAY	1349.21 FS
5	511+22.10	15.56	LT	WALKWAY	1349.59 FS
6	511+30.72	21.57	LT	WALKWAY	1349.80 FS
7	511+30.72	34.31	LT	WALKWAY	1349.67 FS
8	511+02.10	15.56	LT	WALKWAY	1349.27 FS
9	510+66.82	34.34	LT	WALKWAY	1349.09 FS
10	511+30.72	24.33	LT	WALKWAY	1349.83 FS
11	511+19.83	15.57	LT	WALKWAY	1349.74 FS
12	511+02.10	15.44	RT	WALKWAY	1349.27 FS
13	511+22.10	15.44	RT	WALKWAY	1349.59 FS
15	511+62.78	31.97	LT	UTILITY	1350.29 FS
16	511+75.33	31.97	LT	UTILITY	1350.49 FS
17	511+81.37	31.97	LT	UTILITY	1350.52 FS
18	511+04.75	19.06	LT	* UTILITY	1351.03 FS
19	511+60.97	18.50	LT	* UTILITY	1350.29 FS
20	511+67.34	18.62	LT	* UTILITY	1350.38 FS
21	511+73.72	18.45	LT	* UTILITY	1350.49 FS
22	510+18.52	32.33	LT	STORMDRAIN	1343.80 INV
23	510+10.68	35.55	LT	GATE	1347.58 FS
24	510+66.82	24.33	LT	PLATFORM	1349.19 FS
25	510+66.82	5.33	LT	WALKWAY/PLATFORM	1349.38 FS
26	511+02.10	24.33	LT	WALKWAY	1349.31 FS
27	511+64.40	12.56	LT	WALKWAY	1350.20 FS
28	510+27.21	32.30	LT	* STORMDRAIN	1346.00 INV
29	511+52.74	21.89	LT	LUMINAIRE	
30	511+97.74	21.64	LT	LUMINAIRE	

* FLUSH TO SIDEWALK

CONSTRUCTION NOTES:

(203) LIGHTING - SEE ELECTRICAL

(204) RETAINING WALL - SEE STRUCTURAL PLANS

(211) INSTALL ADA DETECTABLE WARNING SURFACE (RAISED TRUNCATED DOME PER SCRRA ES3203)

(214) INSTALL PEDESTRIAN SWING GATE PER SCRRA ENGINEERING STD 4002, LAYOUT PER PLAN

(215) INSTALL CPUC STD NO. 9 PEDESTRIAN AUTOMATIC WARNING DEVICE WITH GATE ARM PER SCRRA ENGINEERING STD ES8300, LENGTH PER PLAN

(223) CONST. 8" PLASTIC STORM DRAIN

(226) INSTALL NDS 1200 NGB CATCH BASIN OR EQUIVALENT

GENERAL NOTES:

1. DMU PLATFORM INTENDED FOR USE BY RPRP
2. FOR TRACK & OFFSITE STORM DRAIN IMPROVEMENTS SEE TRACK GRADING AND DRAINAGE PLANS
3. FOR SIGNAL IMPROVEMENTS SEE SIGNALS PLANS
4. FOR ELECTRICAL IMPROVEMENTS SEE ELECTRICAL PLANS
5. FOR COMMUNICATIONS UTILITIES SEE COMMUNICATIONS PLANS

N

10 0 10 20

SCALE: 1"=10'

REV.	DATE		BY	SUB.	APP.
5	01-24-20	DCN 09 CHANGES REQUESTED BY ESRI	TJ		AS
4	01-15-20	RFI 0371	TJ		AS
3	12-05-19	RFI 0324	TJ		AS
2	09-06-19	RFI 0186	TJ		AS
1	08-02-19	DCN 01 - DRAINAGE INFO	TJ		AS
		Redlands Regular Meeting of 09-20-2022	TJ		SG

DESIGNED BY L. HERNANDEZ
DRAWN BY J.K. ANDRES
CHECKED BY A. SHAH
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

REGISTERED PROFESSIONAL ENGINEER
THOMAS B. JACQUES
No. C63769
Exp. 9-30-2020
CIVIL
STATE OF CALIFORNIA

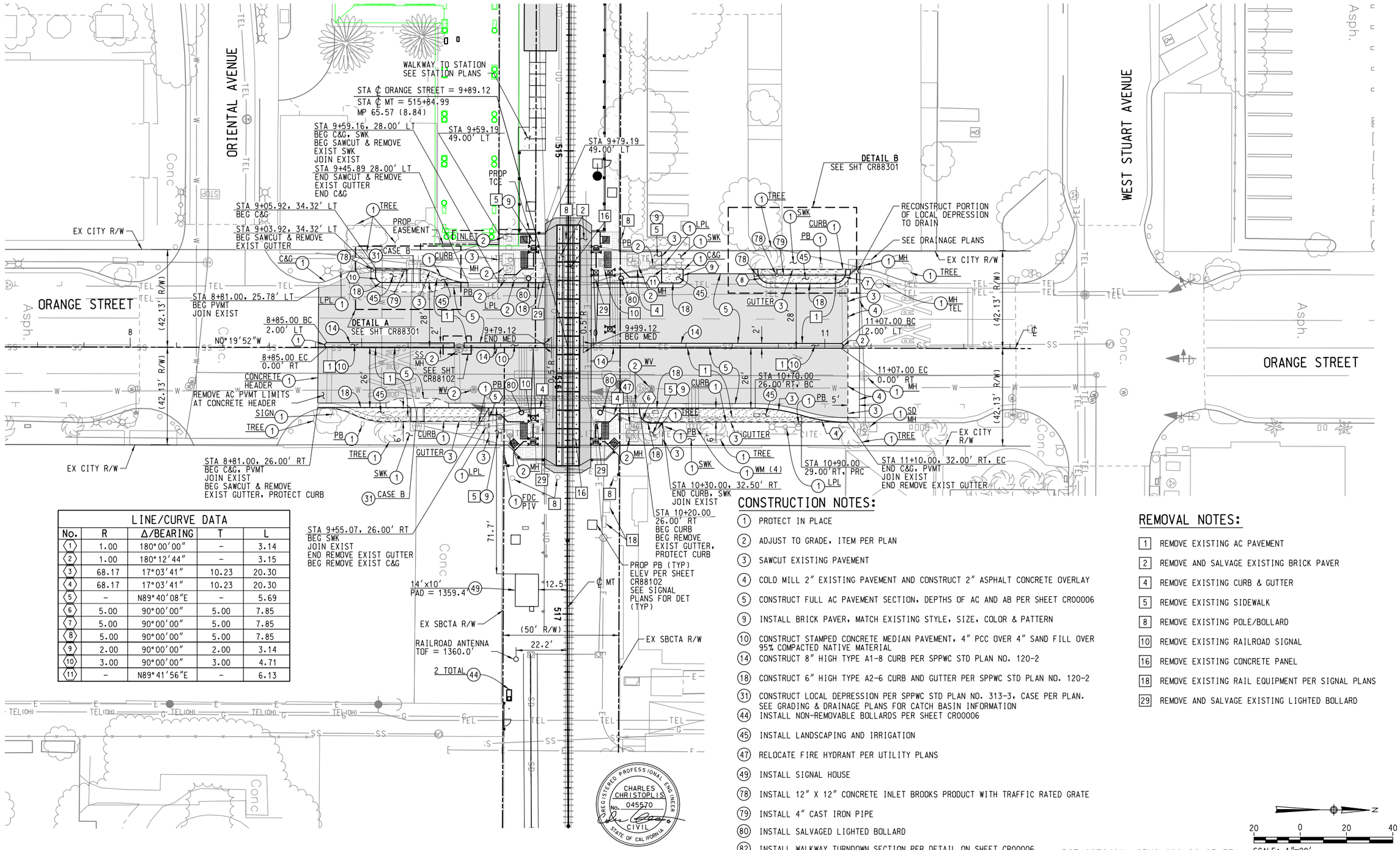
REDLANDS PASSENGER RAIL PROJECT

DOWNTOWN REDLANDS
SITE PLAN
SHEET 1 OF 2

CONTRACT NO. 17-1001705
DRAWING NO. CS87103
REVISION | SHEET NO.
SCALE 214 of 359 1"=10'

3/5/2020 9:37:22 AM USER = TJACQUES
pw:\pwappsac01:California_Sacramento\Documents\SANBAG_RPRP_Final_Design\SANBAG_RPRP_Final_Design\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions\Sheet Files - Construction Revisions\06b_CIVIL
pw:\pwappsac01:California_Sacramento\Documents\SANBAG\SANBAG_RPRP_Final_Design\SANBAG_RPRP_Final_Design\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions\Sheet Files - Construction Revisions\06b_CIVIL
C:\Users\tjacques\Documents\SCRRA\CAD_STD\SCRRA_HYBRID\PenTable\PlotStamp
C:\Working\sarc\d0990737\SANBAG-11x17bw_pdf.plt

8/7/2019 4:06:41 PM KCARR
P:\pwappsac01\California_Sacramento\Documents\351426\CON0102831\0000000002683390\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions\Sheet Files - Construction Revisions\06a_CIVIL\ROADWAY\26495-06a_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_PlotDRV\SANBAG_BW.tbl
P:\pwappsac01\California_Sacramento\Documents\351426\CON0102831\0000000002683390\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_PlotDRV\SANBAG-11x17bw_pdf.pltcfg
p:\work\eng\sac\d0990737\SANBAG-11x17bw_pdf.pltcfg



LINE/CURVE DATA				
No.	R	Δ/BEARING	T	L
1	1.00	180°00'00"	-	3.14
2	1.00	180°12'44"	-	3.15
3	68.17	17°03'41"	10.23	20.30
4	68.17	17°03'41"	10.23	20.30
5	-	N89°40'08"E	-	5.69
6	5.00	90°00'00"	5.00	7.85
7	5.00	90°00'00"	5.00	7.85
8	5.00	90°00'00"	5.00	7.85
9	2.00	90°00'00"	2.00	3.14
10	3.00	90°00'00"	3.00	4.71
11	-	N89°41'56"E	-	6.13

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST TO GRADE, ITEM PER PLAN
3. SAWCUT EXISTING PAVEMENT
4. COLD MILL 2" EXISTING PAVEMENT AND CONSTRUCT 2" ASPHALT CONCRETE OVERLAY
5. CONSTRUCT FULL AC PAVEMENT SECTION, DEPTHS OF AC AND AB PER SHEET CR00006
9. INSTALL BRICK PAVER, MATCH EXISTING STYLE, SIZE, COLOR & PATTERN
10. CONSTRUCT STAMPED CONCRETE MEDIAN PAVEMENT, 4" PCC OVER 4" SAND FILL OVER 95% COMPACTED NATIVE MATERIAL
14. CONSTRUCT 8" HIGH TYPE A1-8 CURB PER SPPWC STD PLAN NO. 120-2
18. CONSTRUCT 6" HIGH TYPE A2-6 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2
31. CONSTRUCT LOCAL DEPRESSION PER SPPWC STD PLAN NO. 313-3, CASE PER PLAN. SEE GRADING & DRAINAGE PLANS FOR CATCH BASIN INFORMATION
44. INSTALL NON-REMOVABLE BOLLARDS PER SHEET CR00006
45. INSTALL LANDSCAPING AND IRRIGATION
47. RELOCATE FIRE HYDRANT PER UTILITY PLANS
49. INSTALL SIGNAL HOUSE
78. INSTALL 12" X 12" CONCRETE INLET BROOKS PRODUCT WITH TRAFFIC RATED GRATE
79. INSTALL 4" CAST IRON PIPE
80. INSTALL SALVAGED LIGHTED BOLLARD
82. INSTALL WALKWAY TURNDOWN SECTION PER DETAIL ON SHEET CR00006

REMOVAL NOTES:

1. REMOVE EXISTING AC PAVEMENT
2. REMOVE AND SALVAGE EXISTING BRICK PAVER
4. REMOVE EXISTING CURB & GUTTER
5. REMOVE EXISTING SIDEWALK
8. REMOVE EXISTING POLE/BOLLARD
10. REMOVE EXISTING RAILROAD SIGNAL
16. REMOVE EXISTING CONCRETE PANEL
18. REMOVE EXISTING RAIL EQUIPMENT PER SIGNAL PLANS
29. REMOVE AND SALVAGE EXISTING LIGHTED BOLLARD

N
20 0 20 40
SCALE: 1"=20'

DOT 027242Y, CPUC 101 SG-65.57

REV.	DATE		BY	SUB.	APP.
1	07-19-19	ADDED CITY SIGNATURE	TJ		SG
		Redlands Regular Meeting of 09-20-2022	TJ		SG

DESIGNED BY J. SONG
DRAWN BY J. KUO
CHECKED BY J. BROWN
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

Accepted By
Savat Khamphou, Engineering Manager, R.C.E. 62019

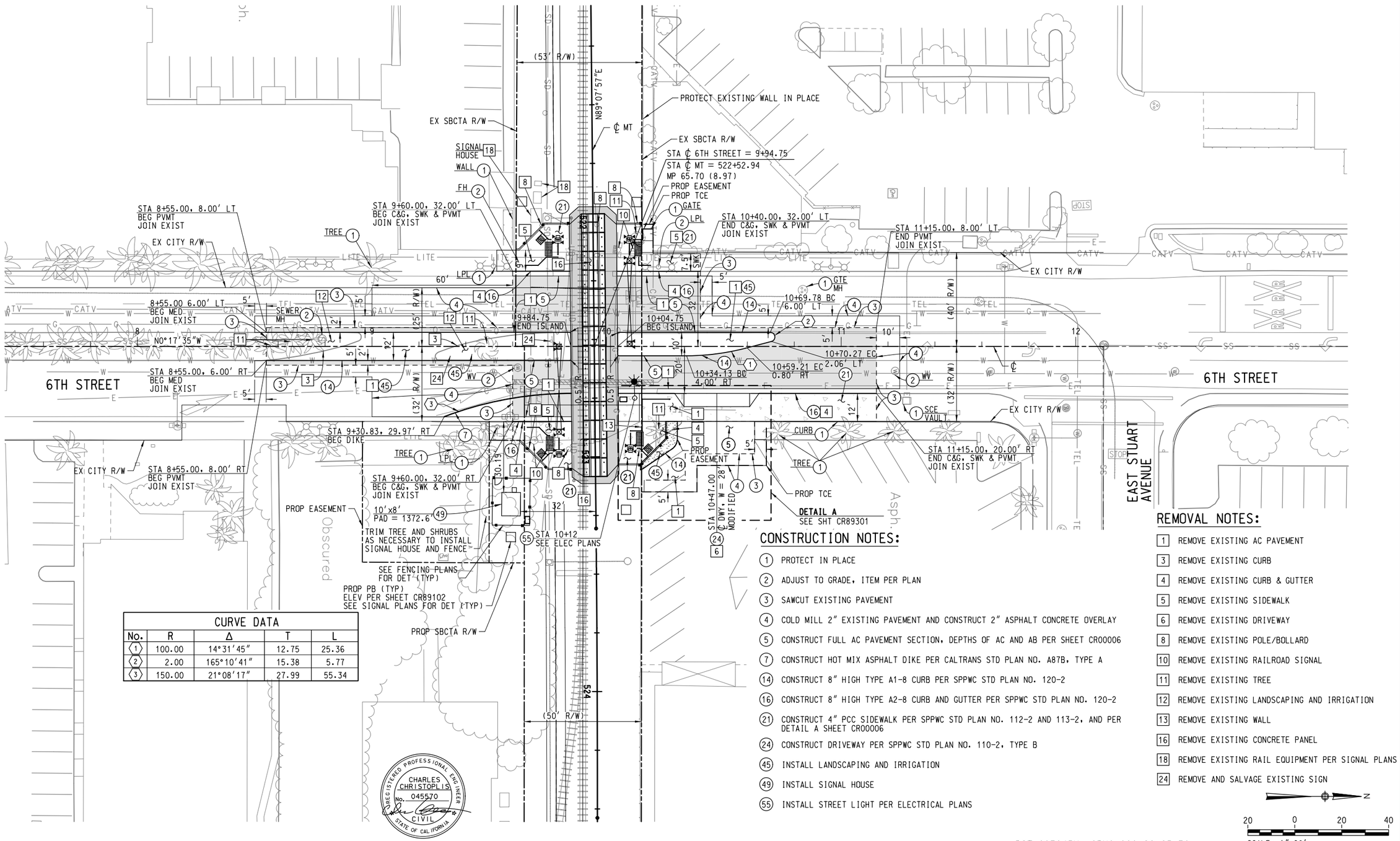
CHARLES CHRISTOPLIS
No. 045570
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

JIANSHENG SONG
No. 71849
Exp. 12/31/19
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
ORANGE STREET – MP 65.57 (8.84)
LAYOUT

CONTRACT NO. 17-1001705
DRAWING NO. CR88101
REVISION | SHEET NO.
SCALE 1"=20'
215 of 359



CURVE DATA				
No.	R	Δ	T	L
1	100.00	14°31'45"	12.75	25.36
2	2.00	165°10'41"	15.38	5.77
3	150.00	21°08'17"	27.99	55.34

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST TO GRADE, ITEM PER PLAN
3. SAWCUT EXISTING PAVEMENT
4. COLD MILL 2" EXISTING PAVEMENT AND CONSTRUCT 2" ASPHALT CONCRETE OVERLAY
5. CONSTRUCT FULL AC PAVEMENT SECTION, DEPTHS OF AC AND AB PER SHEET CR00006
7. CONSTRUCT HOT MIX ASPHALT DIKE PER CALTRANS STD PLAN NO. A87B, TYPE A
14. CONSTRUCT 8" HIGH TYPE A1-8 CURB PER SPPWC STD PLAN NO. 120-2
16. CONSTRUCT 8" HIGH TYPE A2-8 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2
21. CONSTRUCT 4" PCC SIDEWALK PER SPPWC STD PLAN NO. 112-2 AND 113-2, AND PER DETAIL A SHEET CR00006
24. CONSTRUCT DRIVEWAY PER SPPWC STD PLAN NO. 110-2, TYPE B
45. INSTALL LANDSCAPING AND IRRIGATION
49. INSTALL SIGNAL HOUSE
55. INSTALL STREET LIGHT PER ELECTRICAL PLANS

REMOVAL NOTES:

1. REMOVE EXISTING AC PAVEMENT
3. REMOVE EXISTING CURB
4. REMOVE EXISTING CURB & GUTTER
5. REMOVE EXISTING SIDEWALK
6. REMOVE EXISTING DRIVEWAY
8. REMOVE EXISTING POLE/BOLLARD
10. REMOVE EXISTING RAILROAD SIGNAL
11. REMOVE EXISTING TREE
12. REMOVE EXISTING LANDSCAPING AND IRRIGATION
13. REMOVE EXISTING WALL
16. REMOVE EXISTING CONCRETE PANEL
18. REMOVE EXISTING RAIL EQUIPMENT PER SIGNAL PLANS
24. REMOVE AND SALVAGE EXISTING SIGN

CHARLES CHRISTOPLIS No. 045570 CIVIL STATE OF CALIFORNIA REGISTERED PROFESSIONAL ENGINEER

DOT 027245U, CPUC 101 SG-65.70

REV.	DATE		BY	SUB.	APP.
1	07-19-19	ADDED CITY SIGNATURE	TJ		SG
2	09-20-22	Redlands Regular Meeting	TJ		SG

DESIGNED BY J. SONG
DRAWN BY J. KUO
CHECKED BY J. BROWN
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

Accepted By
Savat Khamphou, Engineering Manager, R.C.E. 62019

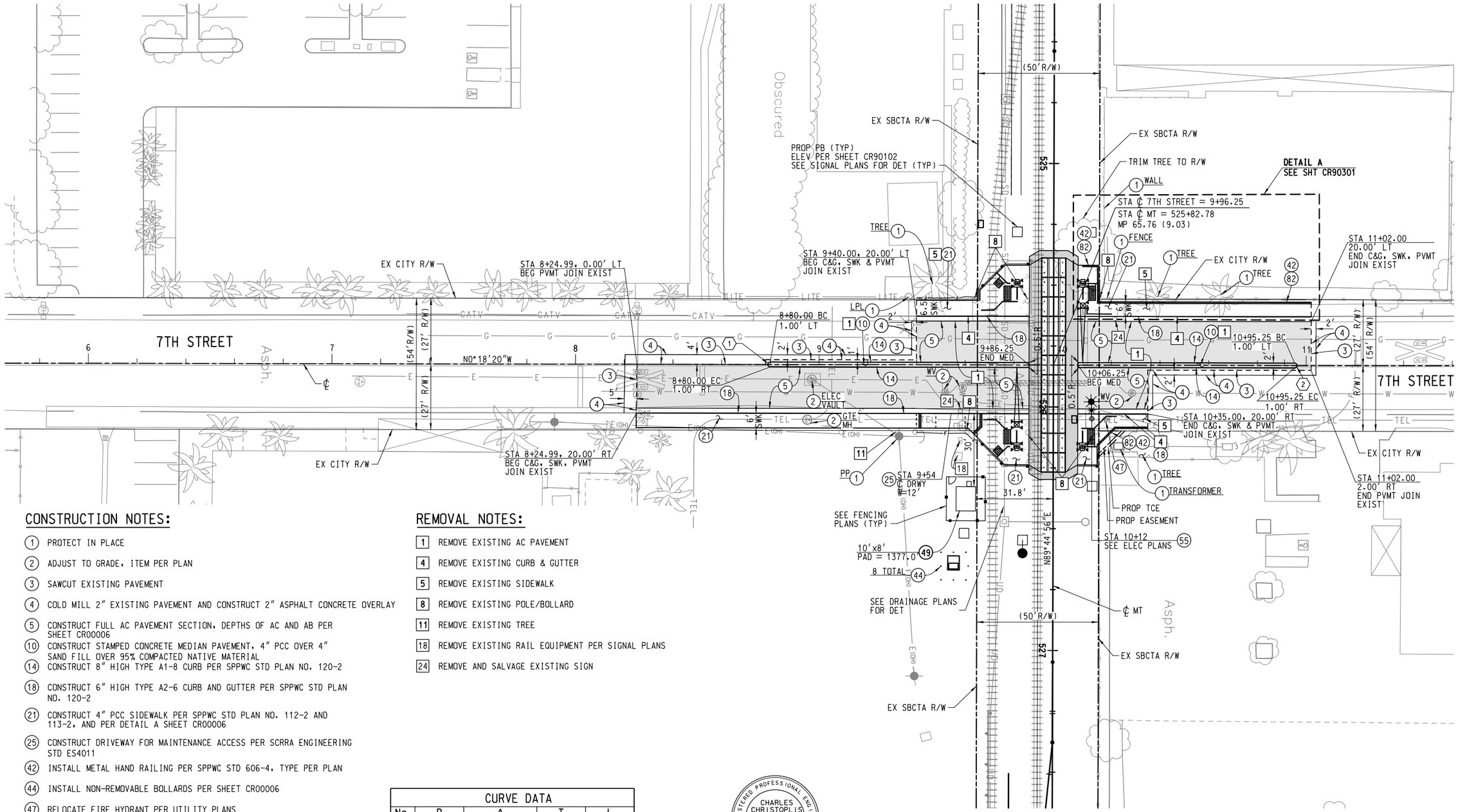
WANSHENG SONG No. 71849 Exp. 12/31/19 CIVIL STATE OF CALIFORNIA REGISTERED PROFESSIONAL ENGINEER

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
6TH STREET – MP 65.70 (8.97)
LAYOUT

CONTRACT NO. 17-1001705
DRAWING NO. CR89101
REVISION | SHEET NO.
SCALE 1"=20'

8/7/2019 4:22:36 PM KCARR
P:\\pwpsac01\California_Sacramento\Documents\351426\CON0102831\0000000002683391\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions\Sheet Files - Construction Revisions\06a_CIVIL\ROADWAY\26495-0
P:\\pwpsac01\California_Sacramento\Documents\351426\CON0102831\0000000002683391\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_PlotDRV\SANBAG_BW.tbl
P:\\pwpsac01\California_Sacramento\Documents\351426\CON0102831\0000000002683391\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions\06a_CIVIL\ROADWAY\26495-06-CR89101.dgn
P:\\pwpsac01\California_Sacramento\Documents\351426\CON0102831\0000000002683391\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_PlotDRV\SANBAG-11x17bw_pdf.pltcfg
P:\\pwworking\scc\d0990737\SANBAG-11x17bw_pdf.pltcfg



CONSTRUCTION NOTES:

(1) PROTECT IN PLACE

(2) ADJUST TO GRADE, ITEM PER PLAN

(3) SAWCUT EXISTING PAVEMENT

(4) COLD MILL 2" EXISTING PAVEMENT AND CONSTRUCT 2" ASPHALT CONCRETE OVERLAY

(5) CONSTRUCT FULL AC PAVEMENT SECTION, DEPTHS OF AC AND AB PER SHEET CR00006

(10) CONSTRUCT STAMPED CONCRETE MEDIAN PAVEMENT, 4" PCC OVER 4" SAND FILL OVER 95% COMPACTED NATIVE MATERIAL

(14) CONSTRUCT 8" HIGH TYPE A1-8 CURB PER SPPWC STD PLAN NO. 120-2

(18) CONSTRUCT 6" HIGH TYPE A2-6 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2

(21) CONSTRUCT 4" PCC SIDEWALK PER SPPWC STD PLAN NO. 112-2 AND 113-2, AND PER DETAIL A SHEET CR00006

(25) CONSTRUCT DRIVEWAY FOR MAINTENANCE ACCESS PER SCRRA ENGINEERING STD ES4011

(42) INSTALL METAL HAND RAILING PER SPPWC STD 606-4, TYPE PER PLAN

(44) INSTALL NON-REMOVABLE BOLLARDS PER SHEET CR00006

(47) RELOCATE FIRE HYDRANT PER UTILITY PLANS

(49) INSTALL SIGNAL HOUSE

(55) INSTALL STREET LIGHT PER ELECTRICAL PLANS

(82) INSTALL WALKWAY TURNDOWN SECTION PER DETAIL ON SHEET CR00006

REMOVAL NOTES:

[1] REMOVE EXISTING AC PAVEMENT

[4] REMOVE EXISTING CURB & GUTTER

[5] REMOVE EXISTING SIDEWALK

[8] REMOVE EXISTING POLE/BOLLARD

[11] REMOVE EXISTING TREE

[18] REMOVE EXISTING RAIL EQUIPMENT PER SIGNAL PLANS

[24] REMOVE AND SALVAGE EXISTING SIGN

CURVE DATA				
No.	R	Δ	T	L
1	1.00	179°41'40"	374.87	3.14
2	1.00	179°41'40"	374.87	3.14

REGISTERED PROFESSIONAL ENGINEER — CHARLES CHRISTOPLIS — No. 045570 — CIVIL — STATE OF CALIFORNIA

DOT 027246B, CPUC 101 SG-65.76

REV.	DATE		BY	SUB.	APP.
1	07-19-19	ADDED CITY SIGNATURE	TJ		SG
		Redlands Regular Meeting of 09-20-2022	TJ		SG

DESIGNED BY J. SONG
DRAWN BY J. KUO
CHECKED BY J. BROWN
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

Accepted By
Savat Khamphou, Engineering Manager, R.C.E. 62019

REGISTERED PROFESSIONAL ENGINEER — JIANHENG SONG — No. 71849 Exp. 12/31/19 — CIVIL — STATE OF CALIFORNIA

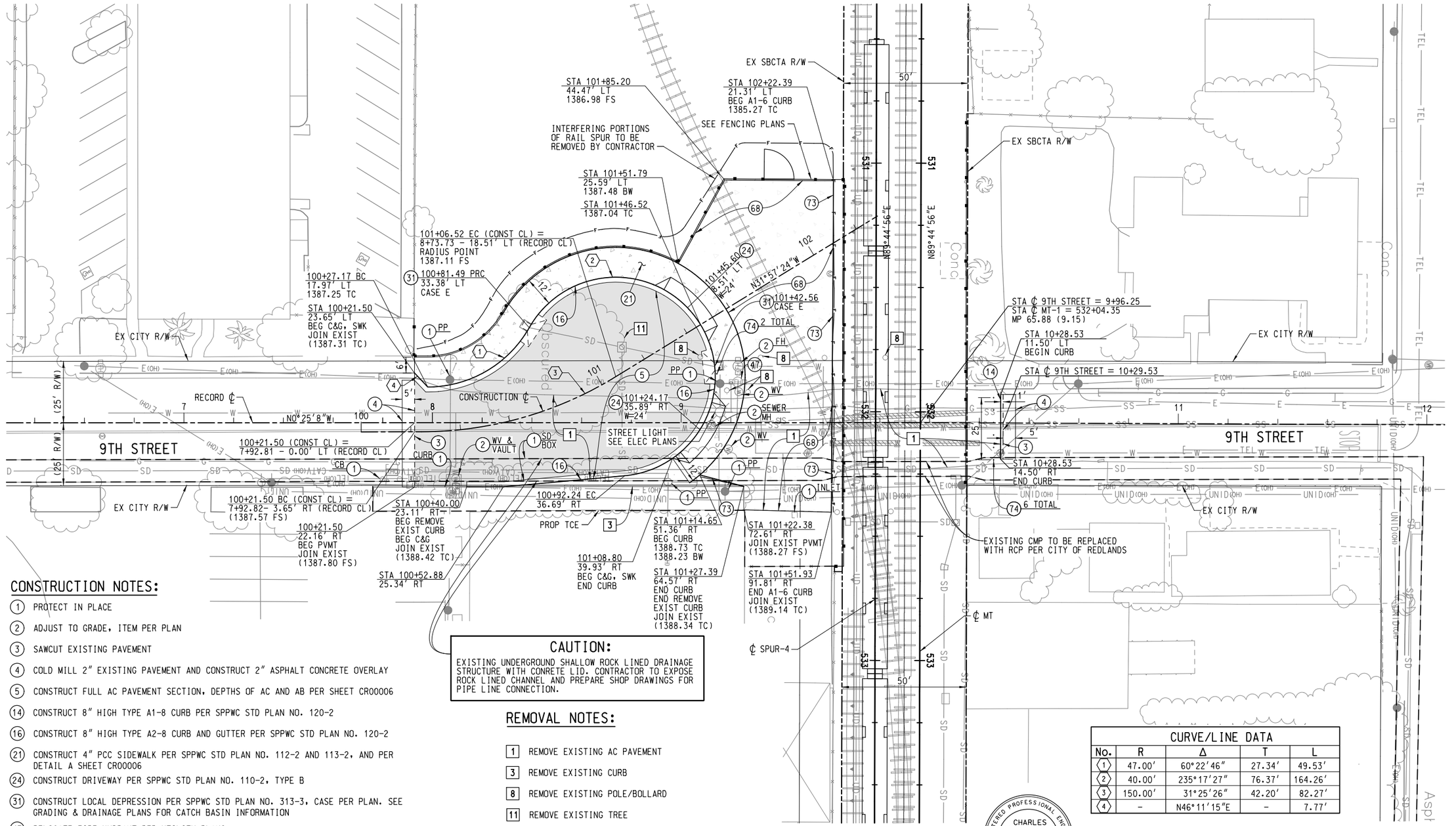
REDLANDS PASSENGER RAIL PROJECT

STREET IMPROVEMENT
7TH STREET – MP 65.76 (9.03)
LAYOUT

CONTRACT NO. 17-1001705
DRAWING NO. CR90101
REVISION | SHEET NO.
SCALE 1"=20'
217 of 359

8/7/2019 4:47:11 PM KCARR
\\pwappsac01\California_Sacramento\Documents\351426\CON010283\0000000002683339\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions\Sheet Files - Construction Revisions\06a_CIVIL\ROADWAY\26495-06a-CR90101.dgn
\\pwappsac01\California_Sacramento\Documents\351426\CON010283\0000000002683339\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_Plot\DRV\SANBAG_BW.tbl
\\pwappsac01\California_Sacramento\Documents\351426\CON010283\0000000002683339\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_Plot\DRV\SANBAG-11x17bw_pdf.pltcfg
\\pwappsac01\California_Sacramento\Documents\351426\CON010283\0000000002683339\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_Plot\DRV\SANBAG-11x17bw_pdf.pltcfg
\\pwappsac01\California_Sacramento\Documents\351426\CON010283\0000000002683339\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_Plot\DRV\SANBAG-11x17bw.pltcfg
\\pwappsac01\California_Sacramento\Documents\351426\CON010283\0000000002683339\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_Plot\DRV\SANBAG_BW.tbl
\\pwappsac01\California_Sacramento\Documents\351426\CON010283\0000000002683339\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_Plot\DRV\SANBAG-11x17bw_pdf.pltcfg
\\pwappsac01\California_Sacramento\Documents\351426\CON010283\0000000002683339\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_Plot\DRV\SANBAG-11x17bw.pltcfg
8/7/2019
\\pwappsac01\California_Sacramento\Documents\351426\CON010283\0000000002683339\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_Plot\DRV\SANBAG_BW.tbl
\\pwappsac01\California_Sacramento\Documents\351426\CON010283\0000000002683339\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_Plot\DRV\SANBAG-11x17bw_pdf.pltcfg
\\pwappsac01\California_Sacramento\Documents\351426\CON010283\0000000002683339\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_Plot\DRV\SANBAG-11x17bw.pltcfg
\\pwappsac01\California_Sacramento\Documents\351426\CON010283\0000000002683339\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_Plot\DRV\SANBAG_BW.tbl
\\pwappsac01\California_Sacramento\Documents\351426\CON010283\0000000002683339\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_Plot\DRV\SANBAG-11x17bw_pdf.pltcfg
\\pwappsac01\California_Sacramento\Documents\351426\CON010283\0000000002683339\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_Plot\DRV\SANBAG-11x17bw.pltcfg
\\pwappsac01\California_Sacramento\Documents\351426\CON010283\0000000002683339\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_Plot\DRV\SANBAG_BW.tbl
\\pwappsac01\California_Sacramento\Documents\351426\CON010283\0000000002683339\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_Plot\DRV\SANBAG-11x17bw_pdf.pltcfg
\\pwappsac01\California_Sacramento\Documents\351426\CON010283\0000000002683339\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_Plot\DRV\SANBAG-11x17bw.pltcfg
p:\working.sstc\d0990737\SANBAG-11x17bw_pdf.pltcfg

8/7/2019 5:04:16 PM KCARR
\\pwappsac01\California_Sacramento\Documents\351426\CON010283\000000000268339\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions\Sheet Files - Construction Revisions\06a_CIVIL\ROADWAY\26495-06a-RDWY-Sheet Files.dgn
\\pwappsac01\California_Sacramento\Documents\351426\CON010283\000000000268339\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_PlotDRV\SANBAG_BW.tbl
\\pwappsac01\California_Sacramento\Documents\351426\CON010283\000000000268339\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_PlotDRV\SANBAG-11x17bw_pdf.pltcfg
\\pwappsac01\working sac\d0990737\SANBAG-11x17bw_pdf.pltcfg



CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST TO GRADE, ITEM PER PLAN
3. SAWCUT EXISTING PAVEMENT
4. COLD MILL 2" EXISTING PAVEMENT AND CONSTRUCT 2" ASPHALT CONCRETE OVERLAY
5. CONSTRUCT FULL AC PAVEMENT SECTION, DEPTHS OF AC AND AB PER SHEET CR00006
14. CONSTRUCT 8" HIGH TYPE A1-8 CURB PER SPPWC STD PLAN NO. 120-2
16. CONSTRUCT 8" HIGH TYPE A2-8 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2
21. CONSTRUCT 4" PCC SIDEWALK PER SPPWC STD PLAN NO. 112-2 AND 113-2, AND PER DETAIL A SHEET CR00006
24. CONSTRUCT DRIVEWAY PER SPPWC STD PLAN NO. 110-2, TYPE B
31. CONSTRUCT LOCAL DEPRESSION PER SPPWC STD PLAN NO. 313-3, CASE PER PLAN. SEE GRADING & DRAINAGE PLANS FOR CATCH BASIN INFORMATION
47. RELOCATE FIRE HYDRANT PER UTILITY PLANS
68. CONSTRUCT 6" PCC PAVEMENT
73. CONSTRUCT 6" HIGH TYPE A1-6 CURB PER SPPWC STD PLAN NO. 120-2
74. INSTALL BOLLARD PER QUICK CRETE PLAN NO. QR-13B PAINTED RAL6002 AT 5FT SPACING OFF CENTER

CAUTION:

EXISTING UNDERGROUND SHALLOW ROCK LINED DRAINAGE STRUCTURE WITH CONRETE LID. CONTRACTOR TO EXPOSE ROCK LINED CHANNEL AND PREPARE SHOP DRAWINGS FOR PIPE LINE CONNECTION.

REMOVAL NOTES:

1. REMOVE EXISTING AC PAVEMENT
3. REMOVE EXISTING CURB
8. REMOVE EXISTING POLE/BOLLARD
11. REMOVE EXISTING TREE

CURVE/LINE DATA

No.	R	Δ	T	L
1	47.00'	60°22'46"	27.34'	49.53'
2	40.00'	235°17'27"	76.37'	164.26'
3	150.00'	31°25'26"	42.20'	82.27'
4	–	N46°11'15"E	–	7.77'

CHARLES CHRISTOPLIS No. 045570 CIVIL REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA

20 0 20 40
SCALE: 1"=20'

DOT 027247H, CPUC 101 SG-65.88

REV.	DATE		BY	SUB.	APP.
1	08-31-19	ADDED CITY SIGNATURE	TJ		SG
	08-20-19	REVISED PER CITY COMMENTS	TJ		SG

DESIGNED BY J. SONG
DRAWN BY J. KUO
CHECKED BY J. BROWN
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

Accepted By
Michael Pool, Assistant City Engineer, R.C.E 49585

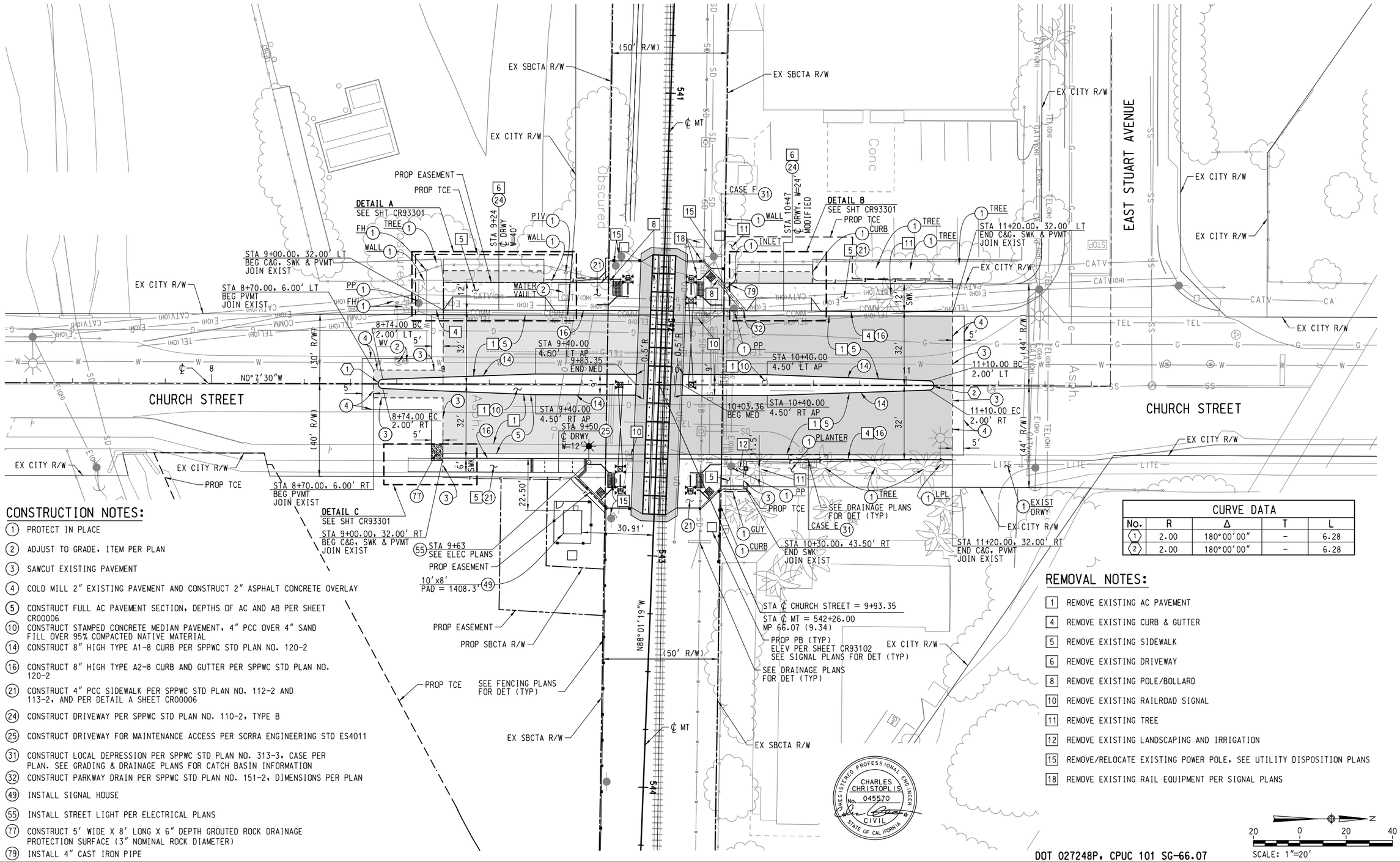
JIANSHENG SONG No. 71849 Exp. 12/31/19 CIVIL REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

STREET IMPROVEMENT
9TH STREET – MP 65.88 (9.15)
LAYOUT

CONTRACT NO. 17-1001705
DRAWING NO. CR91101
REVISION | SHEET NO.
SCALE 1"=20'

8/7/2019 5:08:50 PM KCARR
\\pwappsac01\California_Sacramento\Documents\351426\CON0102831\0000000002683391\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions\Sheet Files - Construction Revisions\06a_CIVIL\ROADWAY\26495-0
\\pwappsac01\California_Sacramento\Documents\351426\CON0102831\0000000002683391\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_PlotDRV\SANBAG_BW.tbl
\\pwappsac01\California_Sacramento\Documents\351426\CON0102831\0000000002683391\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_PlotDRV\SANBAG-11x17bw_pdf.pltcfg
pwworking:sac\d0990737\SANBAG-11x17bw_pdf.pltcfg



CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST TO GRADE, ITEM PER PLAN
3. SAWCUT EXISTING PAVEMENT
4. COLD MILL 2" EXISTING PAVEMENT AND CONSTRUCT 2" ASPHALT CONCRETE OVERLAY
5. CONSTRUCT FULL AC PAVEMENT SECTION, DEPTHS OF AC AND AB PER SHEET CR00006
10. CONSTRUCT STAMPED CONCRETE MEDIAN PAVEMENT, 4" PCC OVER 4" SAND FILL OVER 95% COMPACTED NATIVE MATERIAL
14. CONSTRUCT 8" HIGH TYPE A1-8 CURB PER SPPWC STD PLAN NO. 120-2
16. CONSTRUCT 8" HIGH TYPE A2-8 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2
21. CONSTRUCT 4" PCC SIDEWALK PER SPPWC STD PLAN NO. 112-2 AND 113-2, AND PER DETAIL A SHEET CR00006
24. CONSTRUCT DRIVEWAY PER SPPWC STD PLAN NO. 110-2, TYPE B
25. CONSTRUCT DRIVEWAY FOR MAINTENANCE ACCESS PER SCRRA ENGINEERING STD ES4011
31. CONSTRUCT LOCAL DEPRESSION PER SPPWC STD PLAN NO. 313-3, CASE PER PLAN. SEE GRADING & DRAINAGE PLANS FOR CATCH BASIN INFORMATION
32. CONSTRUCT PARKWAY DRAIN PER SPPWC STD PLAN NO. 151-2, DIMENSIONS PER PLAN
49. INSTALL SIGNAL HOUSE
55. INSTALL STREET LIGHT PER ELECTRICAL PLANS
77. CONSTRUCT 5' WIDE X 8' LONG X 6" DEPTH GROUTED ROCK DRAINAGE PROTECTION SURFACE (3" NOMINAL ROCK DIAMETER)
79. INSTALL 4" CAST IRON PIPE

CURVE DATA				
No.	R	Δ	T	L
1	2.00	180°00'00"	-	6.28
2	2.00	180°00'00"	-	6.28

REMOVAL NOTES:

1. REMOVE EXISTING AC PAVEMENT
4. REMOVE EXISTING CURB & GUTTER
5. REMOVE EXISTING SIDEWALK
6. REMOVE EXISTING DRIVEWAY
8. REMOVE EXISTING POLE/BOLLARD
10. REMOVE EXISTING RAILROAD SIGNAL
11. REMOVE EXISTING TREE
12. REMOVE EXISTING LANDSCAPING AND IRRIGATION
15. REMOVE/RELOCATE EXISTING POWER POLE, SEE UTILITY DISPOSITION PLANS
18. REMOVE EXISTING RAIL EQUIPMENT PER SIGNAL PLANS

CHARLES CHRISTOPLIS No. 045570 REGISTERED PROFESSIONAL ENGINEER CIVIL STATE OF CALIFORNIA

DOT 027248P, CPUC 101 SG-66.07

SCALE: 1"=20'

REV.	DATE		BY	SUB.	APP.
1	07-19-19	ADDED CITY SIGNATURE	TJ		SG
		Redlands Regular Meeting: 09-20-2022	TJ		SG

DESIGNED BY J. SONG
DRAWN BY J. KUO
CHECKED BY J. BROWN
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

Accepted By
Savat Khamphou, Engineering Manager, R.C.E. 62019

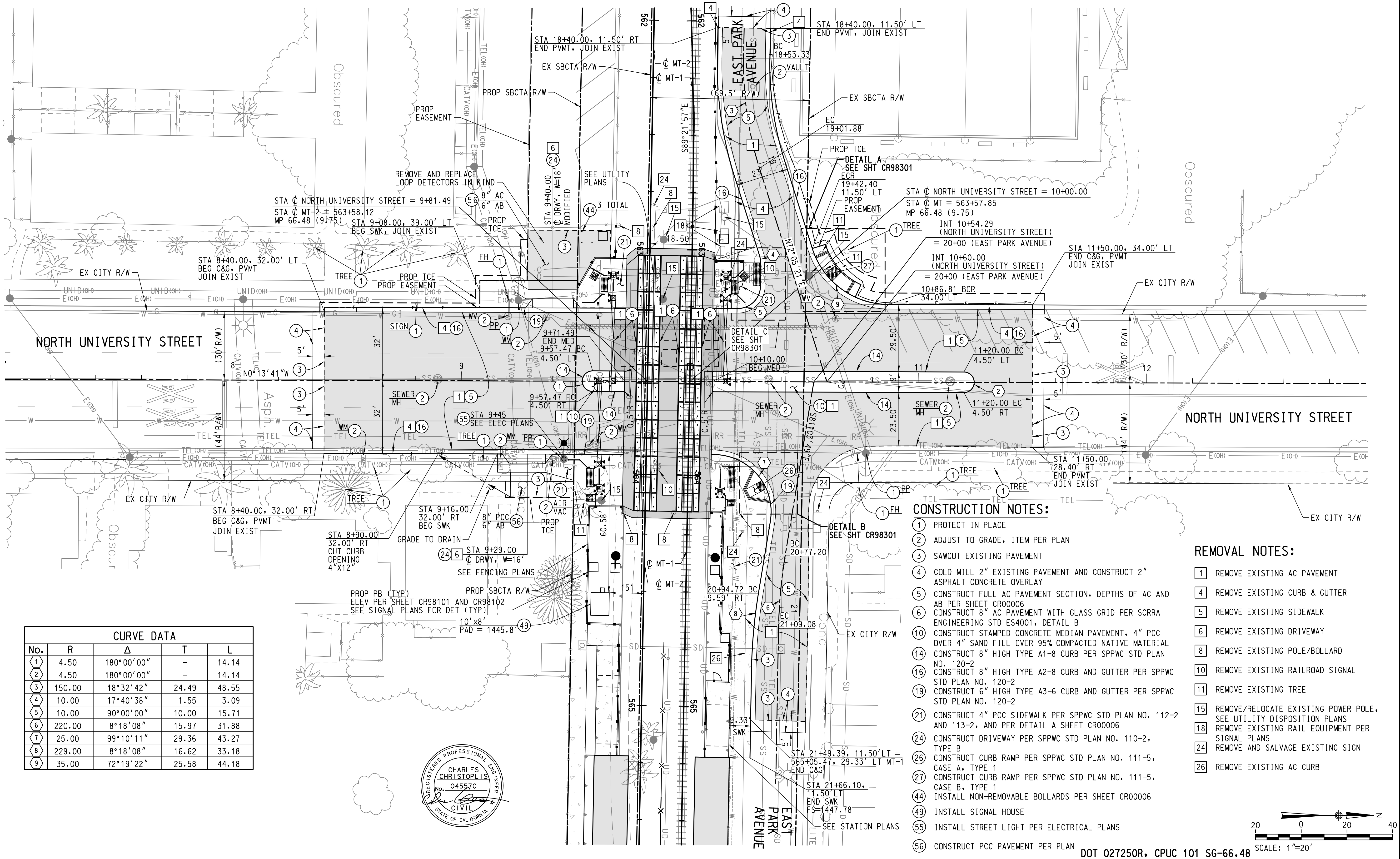
REGISTERED PROFESSIONAL ENGINEER JINSHENG SONG No. 71849 Exp. 12/31/19 CIVIL STATE OF CALIFORNIA

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
CHURCH STREET – MP 66.07 (9.34)
LAYOUT

CONTRACT NO. 17-1001705
DRAWING NO. CR93101
REVISION
SHEET NO. 219 of 359
SCALE 1"=20'

8/7/2019 5:07:38 PM KCARR
pw:\\pwappsac01:California_Sacramento\Documents\351426\CON0102831\0000000000268339\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions\Sheet Files - Construction Revisions\06a_CIVIL\ROADWAY\26495-0
pw:\\pwappsac01:California_Sacramento\Documents\351426\CON0102831\0000000000268339\6.0_CAD_BIM\6.2_Work_In_Progress\6.2.2 Contract Files\RPRP_04-Contract_Files-Construction_Revisions_PlotDRV\SANBAG_BW.tbl
c:\pwworking\sac\d0990737\SANBAG-11x17bw_pdf.pltcfg



CURVE DATA

No.	R	Δ	T	L
⟨1⟩	4.50	180°00'00"	-	14.14
⟨2⟩	4.50	180°00'00"	-	14.14
⟨3⟩	150.00	18°32'42"	24.49	48.55
⟨4⟩	10.00	17°40'38"	1.55	3.09
⟨5⟩	10.00	90°00'00"	10.00	15.71
⟨6⟩	220.00	8°18'08"	15.97	31.88
⟨7⟩	25.00	99°10'11"	29.36	43.27
⟨8⟩	229.00	8°18'08"	16.62	33.18
⟨9⟩	35.00	72°19'22"	25.58	44.18

CHARLES CHRISTOPLIS
No. 045570
CIVIL

CONSTRUCTION NOTES:

① PROTECT IN PLACE
② ADJUST TO GRADE, ITEM PER PLAN
③ SAWCUT EXISTING PAVEMENT
④ COLD MILL 2" EXISTING PAVEMENT AND CONSTRUCT 2" ASPHALT CONCRETE OVERLAY
⑤ CONSTRUCT FULL AC PAVEMENT SECTION, DEPTHS OF AC AND AB PER SHEET CR00006
⑥ CONSTRUCT 8" AC PAVEMENT WITH GLASS GRID PER SCRRA ENGINEERING STD ES4001, DETAIL B
⑩ CONSTRUCT STAMPED CONCRETE MEDIAN PAVEMENT, 4" PCC OVER 4" SAND FILL OVER 95% COMPACTED NATIVE MATERIAL
⑭ CONSTRUCT 8" HIGH TYPE A1-8 CURB PER SPPWC STD PLAN NO. 120-2
⑯ CONSTRUCT 8" HIGH TYPE A2-8 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2
⑲ CONSTRUCT 6" HIGH TYPE A3-6 CURB AND GUTTER PER SPPWC STD PLAN NO. 120-2
㉑ CONSTRUCT 4" PCC SIDEWALK PER SPPWC STD PLAN NO. 112-2 AND 113-2, AND PER DETAIL A SHEET CR00006
㉔ CONSTRUCT DRIVEWAY PER SPPWC STD PLAN NO. 110-2, TYPE B
㉖ CONSTRUCT CURB RAMP PER SPPWC STD PLAN NO. 111-5, CASE A, TYPE 1
㉗ CONSTRUCT CURB RAMP PER SPPWC STD PLAN NO. 111-5, CASE B, TYPE 1
㊹ INSTALL NON-REMOVABLE BOLLARDS PER SHEET CR00006
㊾ INSTALL SIGNAL HOUSE
(55) INSTALL STREET LIGHT PER ELECTRICAL PLANS
(56) CONSTRUCT PCC PAVEMENT PER PLAN

REMOVAL NOTES:

1 REMOVE EXISTING AC PAVEMENT
4 REMOVE EXISTING CURB & GUTTER
5 REMOVE EXISTING SIDEWALK
6 REMOVE EXISTING DRIVEWAY
8 REMOVE EXISTING POLE/BOLLARD
10 REMOVE EXISTING RAILROAD SIGNAL
11 REMOVE EXISTING TREE
15 REMOVE/RELOCATE EXISTING POWER POLE, SEE UTILITY DISPOSITION PLANS
18 REMOVE EXISTING RAIL EQUIPMENT PER SIGNAL PLANS
24 REMOVE AND SALVAGE EXISTING SIGN
26 REMOVE EXISTING AC CURB

DOT 027250R, CPUC 101 SG-66.48

REV.	DATE		BY	SUB. APP.
⚠1	07-19-19	ADDED CITY SIGNATURE	TJ	SG
			TJ	SG

DESIGNED BY J. SONG
DRAWN BY J. KUO
CHECKED BY J. BROWN
APPROVED BY R. KLOVSKY
DATE 5-18-2018

San Bernardino County Transportation Authority

HDR
2280 Market Street, Suite 100
Riverside, CA 92501-2110
(951) 320-7300

⚠1 Accepted By
Savat Khamphou
Savat Khamphou, Engineering Manager, R.C.E. 62019

JIANSHENG SONG
No. 71849
Exp. 12/31/19
CIVIL

REDLANDS PASSENGER RAIL PROJECT

ROADWAY IMPROVEMENT
N. UNIVERSITY STREET – MP 66.48 (9.75)
LAYOUT

CONTRACT NO. 17-1001705
DRAWING NO. CR98101
REVISION
SHEET NO.
SCALE 1"=20'

Exhibit B – Preliminary Quiet Zone Risk Index Calculations

San Gabriel (formerly Redlands) Subdivision

Southern California Regional Rail Authority

Notice of Intent to Create New Quiet Zone

Draft Quiet Zone Risk Index Calculation **QZ Name: RPRP Draft Quiet Zone Report**

FRA Crossing #	CPUC Crossing #	MP	Street	PRE SSM	SSM	Risk Index	Risk Index (with closure redistribution)	Proposed Improvements	ASM/MSSM Effectiveness Rate	Risk Index with improvements
027231L	101 SG-63.00 (002U-6.30)	63.00 (6.3)	California Street			167,829.51	167,829.51	Modify existing 100'+ median to the south and modify approx. 50' of existing 100' median to the north, driveways w/in 20', add 3quad gates, Presignal traffic signal preemption. MSSM Partial Risk Reduction for exit gates with 100' median on south side and 50' median modification on north side.	0.66	57,062.03
027232T	101 SG-63.50 (002U-6.80)	63.50 (6.8)	Nevada Street			90,723.59	90,723.59	add 100' medians, driveway approx. 40' upstream from gate, protected by median and warning gate on approach.	0.8	18,144.72
027233A	101 SG-64.02 (002U-7.30)	64.02 (7.3)	Alabama Street			161,083.20	161,083.20	100' medians, downstream driveways adjacent to the crossing and warning device location on both crossing exits. Upstream driveway within 60'.		161,083.20
027234G	101 SG-64.20 (002U-7.40)	64.20 (7.4)	Colton Avenue			108,777.76	108,777.76	Add 3 quad gates, modify medians, traffic signal preemption, Redlands Blvd w/in 60'. MSSM Reduction for exit gates on south side and 100' median modification on north side.	0.785	23,387.22
027235N	101 SG-64.55 (002U-7.80)	64.55 (7.8)	Tennessee Street			154,190.82	154,190.82	Add raised medians, traffic signal preemption, Redlands Blvd and driveway approx. 20' from crossing.		154,190.82
027237C	101 SG-64.82 (002U-8.10)	64.82 (8.1)	New York Street			318.63	318.63	Existing Closed Crossing, convert to new pedestrian crossing with active gates all quadrants		318.63
027238J	101 SG-64.88 (002U-8.20)	64.88 (8.2)	Stuart Avenue		2	17,958.74	0.00	Close Crossing, remove pavement extend curb on Redlands and Stuart. Risk redistributed to adjacent crossings.		0.00
027239R	101 SG-65.07 (002U-8.40)	65.07 (8.4)	Texas Street		13	118,332.11	119,363.94	add 100' raised medians, sidewalk/pedestrian and driveway modifications		23,872.79
027240K	101 SG-65.36 (002U-8.60)	65.36 (8.6)	Eureka Street			130,651.71	130,651.71	modify medians to min. 100', downstream driveway at 70'	0.8	26,130.34
027242Y	101 SG-65.57 (002U-8.80)	65.57 (8.8)	Orange Street			138,136.37	138,136.37	105' and 95' medians, traffic signal preemption, upstream driveway at 30', Oriental Avenue at 95'	0.8	27,627.27
027245U	101 SG-65.70 (002U-9.00)	65.70 (9.0)	6th Street			96,417.80	96,417.80	Add 65' and 100'+ medians, upstream and downstream driveways at 30' and 50'		96,417.80
027246B	101 SG-65.76 (002U-9.10)	65.76 (9.1)	7th Street			26,055.58	28,916.45	Add 105' and 95' medians, downstream driveways at 30' and 60'		28,916.45
027247H	101 SG-65.88 (002U-9.20)	65.88 (9.2)	9th Street		2	24,134.37	0.00	Close crossing create cul-de-sac add barricades. Risk redistributed to adjacent crossings.		0.00
027248P	101 SG-66.07 (002U-9.30)	66.07 (9.3)	Church Street			73,539.53	74,671.62	Add 110' medians, upstream driveway at 20' and downstream driveways at 40' on south side. MSSM Partial Reduction for downstream driveway at 40' in southwest quadrant.	0.68	23,894.92
027250R	101 SG-66.48 (002U-9.80)	66.48 (9.8)	University Street			68,092.97	68,092.97	Add 18' and 115' medians, 3-Quad gates, Park Ave and driveway w/in 20' on north side of crossing. MSSM Partial Reduction for exit gates on south side of crossing and for downstream roadway at 20' in northeast quadrant.	0.625	25,534.86
									Risk Index with Horns (RIWH)	**55,005.71**
									Quiet Zone Risk Index (QZRI)	**44,438.74** **PASS**

LEGEND:

Risk Index from FRA Quiet Zone Calculator

Proposed ASM/MSSM Effectiveness Rate

SSM 2 - Permanent Closure (1.0 effectiveness rate)
SSM 13 - Medians (0.8 effectiveness rate)
SSM 10 - 4 Quad Gates (0.77 effectiveness rate)
SSM 11 - 4 Quad Gates with Medians (0.92 effectiveness rate)

DRAFT

EXHIBIT D-1

To Maintenance Agreement

for

All At-Grade Crossings within MP 61.87 to 66.48 of the San Gabriel Subdivision

SCRRA Form 6 - Right of Entry Agreement &
SCRRA Insurance Requirements

Exhibit D-1

Please refer to the current SCRRA Form 6 – Right of Entry Agreement & SCRRA Insurance Requirements posted on Metrolink's website using the following links:

SCRRA Form 6 - Right of Entry Agreement

https://metrolinktrains.com/globalassets/about/engineering/scrra-form-no-6-september-2-2021.pdf

EXHIBIT D-2

To Maintenance Agreement

for

All At-Grade Crossings within MP 61.87 to 66.48 of the San Gabriel Subdivision

SCRRA Form 37 - Rules and Requirements for Construction on Railway Property

Exhibit D-2

Please refer to the current SCRRA Form 37 – Rules and Requirements for Construction on Railway Property posted on Metrolink's website using the following links:

SCRRA Form 37 - Rules and Requirements for Construction on Railway Property

https://metrolinktrains.com/globalassets/about/engineering/scrra_form_no_37.pdf

EXHIBIT D-3

To Maintenance Agreement

for

All At-Grade Crossings within MP 61.87 to 66.48 of the San Gabriel Subdivision

SCRRA General Safety Regulations for Third Party Construction and Utility Workers on SCRRA Property

Exhibit D-3

Please refer to the current SCRRA General Safety Regulations for Third Party Construction and Utility Workers on SCRRA Property posted on Metrolink's website using the following links:

SCRRA General Safety Regulations for Third Party Construction and Utility Workers on SCRRA Property

https://metrolinktrains.com/about/agency/right-of-way/

EXHIBIT D-4

To Maintenance Agreement

for

All At-Grade Crossings within MP 61.87to 66.48 of the San Gabriel Subdivision

SCRRA Highway - Rail Grade Crossing Manual

Exhibit D-4

Please refer to the current SCRRA Highway – Rail Grade Crossing Manual posted on Metrolink's website using the following links:

SCRRA Highway - Rail Grade Crossing Manual

https://metrolinktrains.com/globalassets/about/engineering/scrra_grade_crossing_manual.pdf

EXHIBIT D-5

To Maintenance Agreement

for

All At-Grade Crossings within MP 61.87 to 66.48 of the San Gabriel Subdivision

SCRRA Design Criteria Manual - Section 25 Quiet Zone Implementation

Exhibit D-5

Please refer to the current SCRRA Quiet Zone implementation guidelines and procedures included in the SCRRA Design Criteria Manual posted on Metrolink's website using the following links:

SCRRA Design Criteria Manual – Section 25 Quiet Zone Implementation

https://metrolinktrains.com/globalassets/about/engineering/scrra_design_criteria_manual.pdf

City Council/Financing Authority Meeting **I. 7.**

DATE: 09/20/2022

TO: Honorable Mayor and City Council Members

SUBJECT: Approve the First Amendment to the Public Works Contract with Deark E&C, Inc. for the Orange Blossom Trail Phase 3 Project to extend the time for completion by one-hundred and ten (110) calendar days (Municipal Utilities and Engineering Director Harris)

MOTION(S):

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

I move to approve the First Amendment to the Public Works Contract with Deark E&C, Inc. for the Orange Blossom Trail Phase 3 Project to extend the time for completion by 110 calendar days.

RECOMMENDATION:

Staff recommends City Council approve the First Amendment to the Public Works Contract with Deark E&C, Inc. for the Orange Blossom Trail Phase 3 Project to extend the time for completion by one hundred ten 110 calendar days.

DISCUSSION:

On June 7, 2022 City Council Approved a Public Works Contract with Deark E&C, Inc. to construct the Orange Blossom Trail Phase 3 Project (Project) for an amount not-to-exceed $782,396. This project is funded by a Transportation Development Act (TDA) Article 3 grant and proposes to construct approximately one half mile of multi-use path along the Mission Channel from Alabama Street to Tennessee Street.

Due to lengthy project material lead times and the need for environmental approval for a design change to the bio-retention basin, Deark E&C Inc. has notified staff the Contract completion time is inadequate. Therefore, staff

recommends a Contract amendment to increase the time for completion by 110 calendar days, resulting in a revised time for completion of 180 calendar days. This is the only Contract revision proposed.

ALTERNATIVES:

City Council may deny the staff recommendation, although doing so would prevent completion of the project.

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
Goutam K. Dobey, City Engineer

PREPARED BY:
Gerard Nepomuceno, Civil Engineer

Fiscal Impact

Discussion:
There is no fiscal impact associated with this action.

Attachments

A.First Amendment to Deark E&C Contract
B. Executed Contract (Reference Only)

FIRST AMENDMENT TO PUBLIC WORKS CONSTRUCTION CONTRACT

This first amendment ("First Amendment") to the Public Works Construction Contract for the Orange Blossom Trail Phase 3 Project dated June 7, 2022 (the "Contract"), by and between the City of Redlands, a municipal corporation and general law city ("City"), and Deark E&C, Inc., a California corporation ("Contractor"), is made and entered into this 20th day of September, 2022.

RECITALS

WHEREAS, it is the desire of the City and Contractor to amend their existing Contract, specifically to amend the Time for Completion of the Contract; and

WHEREAS, the City Council approved the contract with contractor for work in accordance with the Contract Documents for City's Orange Blossom Trail Phase 3 Project, Project No. S241001;

NOW, THEREFORE, in consideration of the mutual promises contained herein City and Contractor agree as follows:

AGREEMENT

Section 1. The time for completion, as set forth in Section 3 of the Contract, is herby amended to increase Contractor's time for completion and shall read as follows:

> "TIME FOR COMPLETION: the Work shall be completed within One Hundred Eighty (180) calendar days from and after the date of City's issuance of a Notice to Proceed to Contractor."

Section 2. All other provisions of the Contract shall remain unchanged by this First Amendment, and in effect.

IN WITNESS WHEREOF, the parties have executed this First Amendment, to be effective as of the 20th day of September, 2022.

CITY OF REDLANDS

_____
Paul T. Barich, Mayor

ATTEST:

_____
Jeanne Donaldson, City Clerk

DEARK E&C, INC.

By: _____
Signature of Authorized Agent

PUBLIC WORK CONSTRUCTION CONTRACT

This Public Work Construction contract ("Contract") is made and entered into this 7th day of June, 2022, by and between the City of Redlands, a municipal corporation, organized and existing under the laws of the State of California (hereinafter "City"), and Deark E&C, Inc. (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: Orange Blossom Trail Phase 3, Project No. S241001 and, complete all items as required by the Contract Documents (as herein defined) and Specifications for City's Orange Blossom Trail Phase 3, Project No. S241001 (the "Work").

2. **CONTRACT SUM:** City shall pay Contractor the sum of seven hundred eighty two thousand three hundred ninety six dollars ($782,396) 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 seventy (70) calendar days 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 consecutive calendar day 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: _____
Paul T. Barich, Mayor

ATTEST:

_____
Jeanne Donaldson, City Clerk

(SEAL)

Deark E&C, Inc
Name of Contractor

By: _____
Signature of Authorized Agent

President
Title

_____
Signature of Authorized Agent (if necessary)

_____
Title

1059536
Contractor's License No.

WORKER'S COMPENSATION INSURANCE CERTIFICATION

Description of Contract: City of Redlands
Municipal Utilities & Engineering Department
ORANGE BLOSSOM TRAIL PHASE 3
Project No. S241001

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 1st day of June, 2022.

Deark E&C, 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.)

THE FINAL PREMIUM IS
PREDICATED ON THE
FINAL CONTRACT AMOUNT

Bond No. CAC721359
Premium: $19,560.00

FAITHFUL PERFORMANCE BOND

Whereas, the City of Redlands ("City"), State of California, and Deark E&C, Inc. (hereinafter designated as "Principal") have entered into an agreement dated June 7, 2022 ("Agreement") whereby Principal agrees to install and complete certain public improvements (the "Work"), which said Agreement is identified as Orange Blossom Trail Phase 3, Project No. S241001 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, Merchants Bonding Company (Mutual) , as Surety, are held and firmly bound unto the City in the penal sum of seven hundred eighty two thousand three hundred ninety six dollars ($782,396.00) 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 May 23rd, 2022.

(SEAL)

Deark E&C, Inc.
(Contractor)

(Signature)

(SEAL)

Merchants Bonding Company (Mutual)
(Surety)

BY:
(Signature)Frank Morones, Attorney-in-Fact

Address: 6700 Westown Parkway
West Des Moines, IA 50266
Telephone (800) 678-8171

(Seal and Notarial Acknowledgment of Surety)

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
County of Los Angeles)

On 6/1/2022 before me, Jin Y. Gong, notary public
Date *Here Insert Name and Title of the Officer*

personally appeared Dong Kaun Jin
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

JIN Y. GONG
COMM. # 2330490
NOTARY PUBLIC - CALIFORNIA
LOS ANGELES COUNTY
MY COMM. EXP. JULY 18, 2024

Signature _____
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____ Document Date: _____

Number of Pages: _____ Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____
☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian or Conservator
☐ Other: _____
Signer Is Representing: _____

Signer's Name: _____
☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian or Conservator
☐ Other: _____
Signer Is Representing: _____

©2014 National Notary Association • www.NationalNotary.org • 1-800-US NOTARY (1-800-876-6827) Item #5907

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of Orange)

On 05/23/2022 before me, Melissa Ann Vaccaro, Notary Public
(insert name and title of the officer)

personally appeared Frank Morones,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

MELISSA ANN VACCARO
COMM. #2401942
Notary Public-California
ORANGE COUNTY
My Comm. Expires May 12, 2026

Signature _____ (Seal)
Melissa Ann Vaccaro

Bond No. CAC721359

MERCHANTS BONDING COMPANY™

POWER OF ATTORNEY

Know All Persons By These Presents, that MERCHANTS BONDING COMPANY (MUTUAL) and MERCHANTS NATIONAL BONDING, INC., both being corporations of the State of Iowa (herein collectively called the "Companies") do hereby make, constitute and appoint, individually, Arturo Ayala; Ben Stong; Benjamin Wolfe; Chelsea Arnold; Daniel Huckabay; Dwight Reilly; Frank Morones; Michael D Stong; R Nappi; Shaunna Rozelle Ostrom

their true and lawful Attorney(s)-in-Fact, to sign its name as surety(ies) and to execute, seal and acknowledge any and all bonds, undertakings, contracts and other written instruments in the nature thereof, on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

This Power-of-Attorney is granted and is signed and sealed by facsimile under and by authority of the following By-Laws adopted by the Board of Directors of Merchants Bonding Company (Mutual) on April 23, 2011 and amended August 14, 2015 and adopted by the Board of Directors of Merchants National Bonding, Inc., on October 16, 2015.

"The President, Secretary, Treasurer, or any Assistant Treasurer or any Assistant Secretary or any Vice President shall have power and authority to appoint Attorneys-in-Fact, and to authorize them to execute on behalf of the Company, and attach the seal of the Company thereto, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof."

"The signature of any authorized officer and the seal of the Company may be affixed by facsimile or electronic transmission to any Power of Attorney or Certification thereof authorizing the execution and delivery of any bond, undertaking, recognizance, or other suretyship obligations of the Company, and such signature and seal when so used shall have the same force and effect as though manually fixed."

In connection with obligations in favor of the Florida Department of Transportation only, it is agreed that the power and aut hority hereby given to the Attorney-in-Fact includes any and all consents for the release of retained percentages and/or final estimates on engineering and construction contracts required by the State of Florida Department of Transportation. It is fully understood that consenting to the State of Florida Department of Transportation making payment of the final estimate to the Contractor and/or its assignee, shall not relieve this surety company of any of its obligations under its bond.

In connection with obligations in favor of the Kentucky Department of Highways only, it is agreed that the power and authority hereby given to the Attorney-in-Fact cannot be modified or revoked unless prior written personal notice of such intent has been given to the Commissioner-Department of Highways of the Commonwealth of Kentucky at least thirty (30) days prior to the modification or revocation.

In Witness Whereof, the Companies have caused this instrument to be signed and sealed this 13th day of May , 2022 .

MERCHANTS NATIONAL BONDING, INC. INCORPORATED -o- 2003

MERCHANTS BONDING COMPANY (MUTUAL) INCORPORATED -o- 1933

MERCHANTS BONDING COMPANY (MUTUAL)
MERCHANTS NATIONAL BONDING, INC.

By Larry Taylor
President

STATE OF IOWA
COUNTY OF DALLAS ss.
On this 13th day of May 2022 , before me appeared Larry Taylor, to me personally known, who being by me duly sworn did say that he is President of MERCHANTS BONDING COMPANY (MUTUAL) and MERCHANTS NATIONAL BONDING, INC.; and that the seals affixed to the foregoing instrument are the Corporate Seals of the Companies; and that the said instrument was signed and sealed in behalf of the Companies by authority of their respective Boards of Directors.

NOTARIAL SEAL IOWA

POLLY MASON
Commission Number 750576
My Commission Expires
January 07, 2023

Polly Mason
Notary Public

(Expiration of notary's commission does not invalidate this instrument)

I, William Warner, Jr., Secretary of MERCHANTS BONDING COMPANY (MUTUAL) and MERCHANTS NATIONAL BONDING, INC., do hereby certify that the above and foregoing is a true and correct copy of the POWER-OF-ATTORNEY executed by said Companies, which is still in full force and effect and has not been amended or revoked.

In Witness Whereof, I have hereunto set my hand and affixed the seal of the Companies on this 23rd day of May ,2022 .

MERCHANTS NATIONAL BONDING, INC. INCORPORATED -o- 2003

MERCHANTS BONDING COMPANY (MUTUAL) INCORPORATED -o- 1933

William Warner Jr.
Secretary

POA 0018 (1/20)

THE FINAL PREMIUM IS
PREDICATED ON THE
FINAL CONTRACT AMOUNT

Bond No. CAC721359

LABOR AND MATERIAL BOND

Whereas, the City Council of the City of Redlands, State of California, and Deark E&C, 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 June 7, 2022, and identified as Orange Blossom Trail Phase 3, Project No. S241001 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 seven hundred eighty two thousand three hundred ninety six dollars ($782,396) 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.

*Merchants Bonding Company (Mutual)

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 May 23rd, 2022.

(SEAL)

Deark E&C, Inc.

(Contractor)

(Signature)

(Seal and Notarial Acknowledgement of Surety)

(SEAL)

Merchants Bonding Company (Mutual)

(Surety)

BY: (Signature) Frank Morones, Attorney-in-Fact

Address: 6700 Westown Parkway
West Des Moines, IA 50266

Telephone: (800) 678-8171

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
County of Los Angeles)

On 6/1/2022 before me, Jin Y. Gong, notary publics
Date *Here Insert Name and Title of the Officer*

personally appeared Doug Keun Jin
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

JIN Y. GONG
COMM. # 2330490
NOTARY PUBLIC - CALIFORNIA
LOS ANGELES COUNTY
MY COMM. EXP. JULY 18, 2024

Signature _____
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document
Title or Type of Document: _____ Document Date: _____
Number of Pages: _____ Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name:	Signer's Name:
☐ Corporate Officer — Title(s):	☐ Corporate Officer — Title(s):
☐ Partner — ☐ Limited ☐ General	☐ Partner — ☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact	☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian or Conservator	☐ Trustee ☐ Guardian or Conservator
☐ Other:	☐ Other:
Signer Is Representing:	Signer Is Representing:

©2014 National Notary Association • www.NationalNotary.org • 1-800-US NOTARY (1-800-876-6827) Item #5907

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of Orange)

On 05/23/2022 before me, Melissa Ann Vaccaro, Notary Public
(insert name and title of the officer)

personally appeared Frank Morones,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

MELISSA ANN VACCARO
COMM. #2401942
Notary Public-California
ORANGE COUNTY
My Comm. Expires May 12, 2026

Signature Melissa Ann Vaccaro (Seal)
Melissa Ann Vaccaro

Bond No. CAC721359

MERCHANTS BONDING COMPANY™

POWER OF ATTORNEY

Know All Persons By These Presents, that MERCHANTS BONDING COMPANY (MUTUAL) and MERCHANTS NATIONAL BONDING, INC., both being corporations of the State of Iowa (herein collectively called the "Companies") do hereby make, constitute and appoint, individually, Arturo Ayala; Ben Stong; Benjamin Wolfe; Chelsea Arnold; Daniel Huckabay; Dwight Reilly; Frank Morones; Michael D Stong; R Nappi; Shaunna Rozelle Ostrom

their true and lawful Attorney(s)-in-Fact, to sign its name as surety(ies) and to execute, seal and acknowledge any and all bonds, undertakings, contracts and other written instruments in the nature thereof, on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

This Power-of-Attorney is granted and is signed and sealed by facsimile under and by authority of the following By-Laws adopted by the Board of Directors of Merchants Bonding Company (Mutual) on April 23, 2011 and amended August 14, 2015 and adopted by the Board of Directors of Merchants National Bonding, Inc., on October 16, 2015.

"The President, Secretary, Treasurer, or any Assistant Treasurer or any Assistant Secretary or any Vice President shall have power and authority to appoint Attorneys-in-Fact, and to authorize them to execute on behalf of the Company, and attach the seal of the Company thereto, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof."

"The signature of any authorized officer and the seal of the Company may be affixed by facsimile or electronic transmission to any Power of Attorney or Certification thereof authorizing the execution and delivery of any bond, undertaking, recognizance, or other suretyship obligations of the Company, and such signature and seal when so used shall have the same force and effect as though manually fixed."

In connection with obligations in favor of the Florida Department of Transportation only, it is agreed that the power and aut hority hereby given to the Attorney-in-Fact includes any and all consents for the release of retained percentages and/or final estimates on engineering and construction contracts required by the State of Florida Department of Transportation. It is fully understood that consenting to the State of Florida Department of Transportation making payment of the final estimate to the Contractor and/or its assignee, shall not relieve this surety company of any of its obligations under its bond.

In connection with obligations in favor of the Kentucky Department of Highways only, it is agreed that the power and authority hereby given to the Attorney-in-Fact cannot be modified or revoked unless prior written personal notice of such intent has been given to the Commissioner-Department of Highways of the Commonwealth of Kentucky at least thirty (30) days prior to the modification or revocation.

In Witness Whereof, the Companies have caused this instrument to be signed and sealed this 13th day of May , 2022 .

MERCHANTS NATIONAL BONDING, INC. INCORPORATED -o- 2003

MERCHANTS BONDING COMPANY (MUTUAL) INCORPORATED -o- 1933

MERCHANTS BONDING COMPANY (MUTUAL)
MERCHANTS NATIONAL BONDING, INC.

By Larry Taylor
President

STATE OF IOWA
COUNTY OF DALLAS ss.
On this 13th day of May 2022 , before me appeared Larry Taylor, to me personally known, who being by me duly sworn did say that he is President of MERCHANTS BONDING COMPANY (MUTUAL) and MERCHANTS NATIONAL BONDING, INC.; and that the seals affixed to the foregoing instrument are the Corporate Seals of the Companies; and that the said instrument was signed and sealed in behalf of the Companies by authority of their respective Boards of Directors.

NOTARIAL SEAL IOWA

POLLY MASON
Commission Number 750576
My Commission Expires
January 07, 2023

Polly Mason
Notary Public

(Expiration of notary's commission does not invalidate this instrument)

I, William Warner, Jr., Secretary of MERCHANTS BONDING COMPANY (MUTUAL) and MERCHANTS NATIONAL BONDING, INC., do hereby certify that the above and foregoing is a true and correct copy of the POWER-OF-ATTORNEY executed by said Companies, which is still in full force and effect and has not been amended or revoked.

In Witness Whereof, I have hereunto set my hand and affixed the seal of the Companies on this 23rd day of May ,2022 .

MERCHANTS NATIONAL BONDING, INC. INCORPORATED -o- 2003

MERCHANTS BONDING COMPANY (MUTUAL) INCORPORATED -o- 1933

William Warner Jr.
Secretary

POA 0018 (1/20)

CITY OF REDLANDS

BUSINESS TAX CERTIFICATE

2023

TO BE POSTED IN A CONSPICUOUS PLACE
AND
NOT TRANSFERABLE OR ASSIGNABLE

"For Services Provided in the City of Redlands, California Only"

Business Name	DEARK E&C INC
Business Location	1830 W 147Th St Gardena, Ca 90249-3328
Business Owner(s)	DEARK E&C INC
Business Type	Contractor- General
Description	GENERAL CONTRACTOR

DEARK E&C INC
1830 W 147TH ST
GARDENA, CA 90249-3328

Certificate Number:	08132205
Effective Date	June 01, 2022
Expiration Date	June 30, 2023

THIS BUSINESS TAX CERTIFICATE DOES NOT PERMIT A BUSINESS THAT IS OTHERWISE PROHIBITED.

For all inquiries regarding this license, contact HdL Business Tax Support Center at (909) 479-2111.

DEARK E&C INC:

Thank you for your payment on your City of Redlands Business Tax Certificate. **ALL CERTIFICATES MUST BE AVAILABLE FOR INSPECTION UPON REQUEST.** If you have questions concerning your business tax certificate, contact the Business Tax Support Center via email at: Redlands@hdlgov.com or by telephone at: (909) 479-2111.

Keep this portion for your tax certificate separate in case you need a replacement for any lost, stolen, or destroyed tax certificate. A fee may be charged for a replacement or duplicate tax certificate.

This certificate does not entitle the holder to conduct business before complying with all requirements of Redlands Municipal code and other applicable laws, nor to conduct business in a zone where conducting such business violates law.

If you have a fixed place of business within the city limits of City of Redlands, please display the Business Tax certificate above in a conspicuous place at the premises. Otherwise, every Business Tax Certificate holder not having a fixed place of business in the City shall keep the Business Tax Certificate upon his or her person, or affixed in plain view upon any cart, vehicle, van or other movable structure or device at all times if required by the Collector.

Starting January 1, 2021, Assembly Bill 1607 requires the prevention of gender-based discrimination of business establishments. A full notice is available in English or other languages by going to: https://www.dca.ca.gov/publications/.

BUSINESS SUPPORT CENTER
8839 N CEDAR AVE #212
FRESNO, CA 93720-1832

City of Redlands
BUSINESS TAX CERTIFICATE

DEARK E&C INC
1830 W 147TH ST
GARDENA, CA 90249-3328

Certificate Number:	**08132205**
Date of Issue:	**06/01/2022**

Form **W-9**
(Rev. October 2018)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

▶ **Go to *www.irs.gov/FormW9* for instructions and the latest information.**

Give Form to the requester. Do not send to the IRS.

Print or type. See Specific Instructions on page 3.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.

DEARK E&C, INC

2 Business name/disregarded entity name, if different from above

3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only **one** of the following seven boxes.

☐ Individual/sole proprietor or single-member LLC ☐ C Corporation ☑ S Corporation ☐ Partnership ☐ Trust/estate

☐ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____

Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is **not** disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.

☐ Other (see instructions) ▶

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):

Exempt payee code (if any) _____

Exemption from FATCA reporting code (if any) _____

(Applies to accounts maintained outside the U.S.)

5 Address (number, street, and apt. or suite no.) See instructions.

1830 W. 147TH ST

Requester's name and address (optional)

6 City, state, and ZIP code

GARDENA, CA 90249

7 List account number(s) here (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN,* later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number

			–			–				

or

Employer identification number

8	3	–	1	9	8	7	2	7	8

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here Signature of U.S. person ▶ [signature] Date ▶ 6-1-2022

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to *www.irs.gov/FormW9.*

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, *later.*

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 05/23/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Kingdom Global Insurance Solutions, LLC 780 N. Euclid Street Suite 208 Anaheim, CA 92801	CONTACT NAME: Shawn Jin, Managing Member PHONE (A/C, No, Ext): 562-275-3155 FAX (A/C, No): 562-275-3156 E-MAIL ADDRESS: SJin@kgisus.com
INSURED Deark E&C, Inc. 1830 West 147th Street Gardena, CA 90249	INSURER(S) AFFORDING COVERAGE — NAIC # INSURER A: Evanston Insurance Company — 35378 INSURER B: Infinity Select Insurance Company — 20260 INSURER C: Evanston Insurance Company — 35378 INSURER D: Everest Premier Insurance Company — 35378 INSURER E: Evanston Insurance Company — 35378 INSURER F:

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	[X] COMMERCIAL GENERAL LIABILITY [ ] CLAIMS-MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: [X] POLICY [ ] PRO-JECT [ ] LOC OTHER:	Y	Y	MKLV5PBC003853	08/18/2021	08/18/2022	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1,000,000 $ 300,000 $ 5,000 $ 1,000,000 $ 2,000,000 $ 2,000,000
B	AUTOMOBILE LIABILITY [X] ANY AUTO [ ] OWNED AUTOS ONLY [ ] SCHEDULED AUTOS [X] HIRED AUTOS ONLY [X] NON-OWNED AUTOS ONLY	Y	Y	504-61014-3072-001	08/18/2021	08/18/2022	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $
C	[ ] UMBRELLA LIAB [X] OCCUR [X] EXCESS LIAB [ ] CLAIMS-MADE [ ] DED [ ] RETENTION $	Y	Y	MPXC3002613	08/18/2021	08/18/2022	EACH OCCURRENCE AGGREGATE	$ 4,000,000 $ 4,000,000
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N [ ] (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N/A	Y	7600022621211	08/18/2021	08/18/2022	[X] PER STATUTE [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 1,000,000 $ 1,000,000 $ 1,000,000
E	Pollution Liability	Y	Y	CPLMOL107681	08/06/2021	08/06/2022	Occurrence Aggregate	$1,000,000 $2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Re: City of Redlands Municipal Utilities & Engineering Department ORANGE BLOSSOM TRAIL PHASE 3 Project No. S241001

Certificate Holder is listed as additional insured as respects to CG 20 10 07 04 and CG 2012 05 09 and CG 20 37 07 04 and 50461AIS01
Waiver of Subrogation is included as respects to certificate holder and to CG 24 04 05 09 and WC 04 03 06 and 50461SWF01
Primary and noncontributory endorsement is included as respects to CG 20 01 04 13
30 days written notice will be given to certificate holder in the event of cancellation

CERTIFICATE HOLDER

City of Redlands
35 Cajon St Suite 15A
Redlands, Ca 92373

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

© 1988-2015 ACORD CORPORATION. All rights reserved.

Infinity Commercial Auto
11700 Great Oaks Way, Suite 450
Alpharetta, GA 30022
Underwritten by: Infinity Select Insurance Company

Customer Service: (800) 722-3391
Claims Service: (800) 334-1661

ADDITIONAL NAMED INSURED ENDORSEMENT

copy To	Policy ID Number	Expiration Date
City of Redlands 35 Cajon St Suite 15A Redlands CA 92373	504-61014-3072-001	08/18/2022 1201 a.m.
	Named Insured	
	Deark E&C Inc	
	This endorsement is attached to and forms a part of the listed policy. No changes will be effective prior to the time changes are requested.	

Additional Insured
City of Redlands

Part A - Liability Coverage, is changed as follows:

The definition of insured is changed to include the additional insured named above. Adding an insured will not increase the limit of our liability. The insurance provided by this endorsement will be excess over any other valid and collectible insurance.

All other parts of this Policy remain unchanged.

ADDL INSURED COPY

AMEND DATE: 05/23/2022

50461AIS01

ENDORSEMENT: 6-1

KEMPER Auto | INFINITY

Infinity Commercial Auto
11700 Great Oaks Way, Suite 450
Alpharetta, GA 30022

Underwritten by: Infinity Select Insurance Company

Customer Service: 800-722-3391

Claims Service: 800-334-1661

WAIVER OF SUBROGATION

CALIFORNIA

Copy To	Policy ID Number	Expiration Date
Deark E&C Inc	504-61014-3072-001	08/18/2022 12:01 AM
1830 W 147th St	**Named Insured**	
Gardena, CA 90249	Deark E&C Inc	
	This endorsement is attached to and forms a part of the listed policy. No changes will be effective prior to the time changes are requested.	

In return for **your** premium payment shown below, **we** agree that **our** rights of subrogation or rights of recovery under the policy will not apply against the following person or organization:

City of Redlands
35 Cajon St Suite 15A
Redlands CA 92373

Additional premium in the amount of $25.00 will be retained by **us** regardless of any early termination of this endorsement or the policy.

All other policy provisions remain unchanged.

50461SWF01

Amend Date: 05/23/2022

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

PRIMARY AND NONCONTRIBUTORY – OTHER INSURANCE CONDITION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

The following is added to the **Other Insurance** Condition and supersedes any provision to the contrary:

Primary And Noncontributory Insurance

This insurance is primary to and will not seek contribution from any other insurance available to an additional insured under your policy provided that:

(1) The additional insured is a Named Insured under such other insurance; and

(2) You have agreed in writing in a contract or agreement that this insurance would be primary and would not seek contribution from any other insurance available to the additional insured.

© Insurance Services Office, Inc., 2012

POLICY NUMBER: MKLV5PBC003653

COMMERCIAL GENERAL LIABILITY
CG 20 10 07 04

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – SCHEDULED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s):	Location(s) Of Covered Operations
As agreed to by written contract or agreement	All locations

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

A. **Section II – Who Is An Insured** is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional insured(s) at the location(s) designated above.

B. With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:

This insurance does not apply to "bodily injury" or "property damage" occurring after:

1. All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
2. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

© ISO Properties, Inc., 2004

CG 20 10 07 04

POLICY NUMBER: MKLV5PBC003653

COMMERCIAL GENERAL LIABILITY
CG 20 12 05 09

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – STATE OR GOVERNMENTAL AGENCY OR SUBDIVISION OR POLITICAL SUBDIVISION – PERMITS OR AUTHORIZATIONS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

State Or Governmental Agency Or Subdivision Or Political Subdivision:
As required by permits
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

Section II – Who Is An Insured is amended to include as an insured any state or governmental agency or subdivision or political subdivision shown in the Schedule, subject to the following provisions:

1. This insurance applies only with respect to operations performed by you or on your behalf for which the state or governmental agency or subdivision or political subdivision has issued a permit or authorization.
2. This insurance does not apply to:
   a. "Bodily injury", "property damage" or "personal and advertising injury" arising out of operations performed for the federal government, state or municipality; or
   b. "Bodily injury" or "property damage" included within the "products-completed operations hazard".

© Insurance Services Office, Inc., 2008

POLICY NUMBER: MKLV5PBC003653

COMMERCIAL GENERAL LIABILITY
CG 20 37 07 04

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – COMPLETED OPERATIONS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s):	Location And Description Of Completed Operations
As agreed to by written contract or agreement	All locations
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury" or "property damage" caused, in whole or in part, by "your work" at the location designated and described in the schedule of this endorsement performed for that additional insured and included in the "products-completed operations hazard".

© ISO Properties, Inc., 2004

CG 20 37 07 04

WAIVER OF TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

SCHEDULE

Name Of Person Or Organization:
As agreed to by written contract or agreement
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

The following is added to Paragraph **8. Transfer Of Rights Of Recovery Against Others To Us** of **Section IV – Conditions:**

We waive any right of recovery we may have against the person or organization shown in the Schedule above because of payments we make for injury or damage arising out of your ongoing operations or "your work" done under a contract with that person or organization and included in the "products-completed operations hazard". This waiver applies only to the person or organization shown in the Schedule above.

© Insurance Services Office, Inc., 2008

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT - CALIFORNIA

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

You must maintain payroll records accurately segregating the remuneration of your employees while engaged in the work described in the Schedule.

The additional premium for this endorsement shall be 2 % of the California workers' compensation premium otherwise due on such remuneration.

SCHEDULE

PERSON OR ORGANIZATION	JOB DESCRIPTION
ANY PERSON OR ORGANIZATION FOR WHOM THE NAMED INSURED HAS AGREED BY WRITTEN CONTRACT TO FURNISH THIS WAIVER	BLANKET WAIVER OF SUBROGATION

- 1998 by the Workers' Compensation Insurance Rating Bureau of California. All rights reserved.
From the WCIRB's California Workers' Compensation Insurance Forms Manual - 1999.

INSURED COPY

City Council/Financing Authority Meeting **I. 8.**

DATE: 09/20/2022

TO: Honorable Mayor and City Council Members

SUBJECT: Approve cancelling the existing purchase order with Safe Environment Engineering, and issuing a new purchase order with SKC-West, Inc. for an amount not to exceed $30,000 (Municipal Utilities and Engineering Director Harris)

MOTION(S):

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

I move to approve cancelling the existing purchase order with Safe Environment Engineering, and issuing a new purchase order with SKC-West, Inc. for an amount not-to-exceed $30,000.

RECOMMENDATION:

Staff recommends City Council approve cancelling the existing purchase order with Safe Environment Engineering, and issuing a new purchase order to SKC-West, Inc. for an amount not-to-exceed $30,000.

DISCUSSION:

In accordance with the City's purchasing policy, City staff developed a Request for Bid (RFB) for Wastewater Draeger Hydrogen Sulphide (H2S) Detector Tubes on March 29, 2022. The RFB was competitively advertised, and the City Clerk conducted a public bid opening on April 12, 2022. Safe Environment Engineering submitted the lowest responsive and responsible bid. On June 21, 2022, City Council approved and awarded an annual purchase order to Safe Environment Engineering for the purchase of these detection tubes.

Recently, Safe Environment Engineering notified staff that they are no longer able to supply the specified detector tubes and forfeited their purchase order. In

order to comply with South Coast Air Quality Management District (SCAQMD) digester gas testing protocols, the City's wastewater facility must maintain a reliable source of supply for these detector tubes. Staff recommends canceling the existing purchase order with Safe Environment Engineering and issuing a new purchase order to the next lowest bidder, SKC-West Inc, for an amount not-to-exceed $30,000.

ALTERNATIVES:

City Council may deny the staff recommendation and provide alternate direction to staff.

STRATEGIC PLAN:

N/A

SUBMITTED BY:
John R. Harris, Municipal Utilities and Engineering Department 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:
Jungjoon Park, Laboratory Manager

Fiscal Impact

Fiscal Year:	FY 22/23
Appropriation Required Y/N:	No
Amount:	$30,000
Budgeted Y/N:	Yes
Account No.:	521900

Discussion:

There is no fiscal impact associated with this action. Sufficient funding for this purchase is included in the Fiscal Year 22/23 Wastewater Service (521900) Budget.

Attachments

Email - Safe Environment Engineering
Bid Report
Bid Analysis
Current Purchase Order - Safe Environment Engineering

From: David L <davidl@safeenv.com>
Sent: Thursday, August 4, 2022 1:36 PM
To: Purchasing <purchasing@cityofredlands.org>
Subject: RE: City of Redlands Purchase Order

[**NOTICE:** This message originated outside of City of Redlands -- **DO NOT CLICK** on **links** or open **attachments** unless you are sure the content is safe.]

Dear Purchasing,

We respectfully decline your purchase order award 22300159.

We are grateful for the opportunity but understand that you maybe better serviced by another of the bidders.

Thank you,

David Lamensdorf
Safe Environment Engineering
661-295-5500
661-313-2686 Cell

CITY OF REDLANDS
OFFICE OF THE CITY CLERK
BID OPENING REPORT

The following bids were opened on the **12th day of April 2022 at 10:00 a.m.** on behalf of the Municipal Utilities and Engineering Department for **Wastewater Draeger Hydrogen Sulphide (H2S) Detector Tube – 20220329-01WW**. 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	Addenda Acknowledged (N/A)	Total Bid Amount
1	Safe Environment Engineering, Valencia CA	Yes	N/A	$16,781.60
2	SKC West, Fullerton CA	Yes	N/A	$19,733.38
3	Technology International, Lake Mary FL	Yes	N/A	$23,990.00

Jeanne Donaldson, City Clerk
City of Redlands, California

Emailed: Councilmembers,
City Manager, City Treasurer, PIO, Press
Department Head: John Harris
Staff: Kevin Watson; Christian Duenez

v

MUNICIPAL UTILITIES AND ENGINEERING DEPARTMENT

BID ANALYSIS

BID NO. **BID NO.** **20220329-01WW** **BID DATE:** **4/12/2022**

Annual P.O. **ANNUAL PO** **WW DRAEGER HYDROGEN SULPHIDE (H2S) DETECTOR TUBE** **FISCAL YEAR:** **2022/2023**

Item Number	PART NO.	Description	QTY	Safe Environment Engineering			SKC West		Technology International Inc.	
				UOM	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price
1	**6728821**	Draeger Hydrogen Sulphide H2S Detector Tube, 2 to 200 ppm, pk/10	200	EA	$66.60	$13,320.00	$78.33	$15,666.00	$95.00	$19,000.00
2	**CH29801**	Draeger Hydrogen Sulphide H2S Detector Tube, 5 to 600 ppm, pk/10	50	EA	$62.40	$3,120.00	$73.32	$3,666.00	$90.00	$4,500.00
3	**6400000**	Draeger-Tube Pump Accuro	1	EA	$341.60	$341.60	$401.38	$401.38	$490.00	$490.00
TOTAL SUM BID (Item 1 - 3)						**$16,781.60**		**$19,733.38**		**$23,990.00**

PURCHASE ORDER

Fiscal Year 2023

THIS PURCHASE ORDER NUMBER MUST APPEAR ON ALL INVOICES, PACKAGES, AND SHIPPING PAPERS.

Purchase Order Number **22300159**

Purchase Order Date **06/29/2022**

Department **MUNICIPAL UTIL & ENGINEERING**

Required By **07/01/2022**

Bill To FINBIL

CITY OF REDLANDS
PO BOX 3005
REDLANDS, CA 92373
EMAIL: accountspayable@cityofredlands.org
Emailing invoice and referencing PO No. is required and will expedite payment
.

Ship To WTSWTR

MUED-Wastewater Div
1950 Nevada St
Redlands, CA 92373

Vendor 200930

SAFE ENVIRONMENT ENGINEERING
28320 CONSTELLATION ROAD
VALENCIA, CA 91355

VENDOR PHONE NUMBER	VENDOR FAX NUMBER	VENDOR NUMBER	REQUISITION NUMBER	BUYER NAME	DELIVERY REFERENCE
		200930	12300229	Christian Duenez	AS NEEDED

NOTES

WW DRAEGER TUBE

PURCHASE ORDER TERM:
JULY 1, 2022 - JUNE 30, 2023.
.
PURCHASE ORDER AS PER CITY COUNCIL APPROVAL DATED JUNE 21, 2022.
.
NOT TO EXCEED DOLLAR AMOUNT PER YEAR. THIS PO WILL BE CLOSED WHEN THE TOTAL AMOUNT IS EXHAUSTED.
.
PURCHASE ORDER AS PER RFB NO.20220329-01WW DATED APRIL 12, 2022.
.

ITEM #	DESCRIPTION	QUANTITY	UOM	UNIT PRICE	EXTENDED PRICE
1	PROVIDE DRAEGER HYDROGEN SULPHIDE (H2S) DETECTOR TUBES ON A NEED-BY-NEED BASIS FOR THE CITY OF REDLANDS MUNICIPLE UTILITES AND ENGINEERING DEPARTMENT, WASTEWATER DIVISION.	1.0000	EA	$30,000.0000	$30,000.00

PURCHASING DIVISION - 1270 W. PARK AVE. REDLANDS, CA 92373 - Email: Purchasing@cityofredlands.org

Total Ext. Price $30,000.00

Purchase Order Total $30,000.00

Deana Abramovich-Daniel
PROCUREMENT MANAGER

PLEASE SEE ATTACHED PURCHASE ORDER TERMS AND CONDITIONS

CITY OF REDLANDS
PURCHASE ORDER TERMS AND CONDITIONS
unless otherwise specified in an executed agreement, the following shall apply

1. INVOICES: Each purchase order is to be invoiced separately and all invoices shall be submitted to the billing address as shown on the front of the Purchase Order. All invoices, shipping documents, correspondence, and-related papers must have the purchase order number and consignee shown clearly in their face.

2. PACKAGING AND DRAYAGE: Unless so specified on the Purchase Order and evidenced by a copy of the freight bill attached to the invoice, there shall be no charge to the City for either packaging and/or drayage

3. INSPECTION: All materials and workmanship provided under the terms of the Purchase Order are subject to inspection and test by the City to ensure compliance with the requirements and specifications contained therein. In the event that the goods or services delivered are defective, or are not in conformity with the Purchase Order, the City shall have the right to either reject said goods or services, or require that they be corrected or otherwise brought into conformity with the terms set forth in the Purchase Order.

4. RESPONSIBILITIES: Unless otherwise specified in the Purchase Order, the supplier/contractor shall be responsible for all items covered in said Purchase Order until delivered at the designated delivery point and thereafter accepted by the City. Supplier/contractor shall bear all risks as the goods and services provided until they are finally accepted by the City. Upon the City's notice to supplier/contractor of its rejection of the goods or services provided or the need for the correction thereof. All such defective goods or services shall be removed from City premises, and any and all expenses incurred in the removal and/or correction of such defective goods or services shall be borne entirely by the supplier/contractor.

5. ACCEPTANCE: The City's final acceptance of the goods or services provided under the Purchase Order shall be conclusive except in those instances where a latent defect or fraud is subsequently discovered, or when a supplier/contractor has committed such gross mistakes that they are tantamount to a fraud. The City's failure to inspect and either accept or reject the goods or services delivered shall not relieve the supplier/contractor for the responsibility for strict compliance with the terms and specifications of the Purchase Order.

6. CHANGES: This Purchase Order may, at any time, be changed with regard to the materials or services to be furnished, the quantity ordered, the unit price, discount, delivery point or arrangements, terms or any other matters affecting a valid order. However, in order to be effective, any such change or amendment causes an increase or decrease in the cost of performance hereunder, an equitable adjustment shall be made to reflect the increase or the decrease in the cost thereof. Any such adjustment shall be subject to the written approval of the Purchasing Agent. No variation in the quality, quantity, or coat of any item called for by this Purchase Order Shall be acceptable by the City except in pursuance of a written Change Order approved by the Purchasing Agent.

7. TERMINATION: This Purchase Order may be terminated, in whole or in part, at any time, by written notice to the supplier/contractor. Such termination shall be effective with respect to the quantity, manner, and time specified in such notice. The City shall be liable at the stipulated price only for such materials and/or services as have been delivered and/or rendered and accepted as of the effective date of said written notice. The City shall not be liable for any excess cost arising out of such termination, and failure of the supplier/contractor to cease delivery and/or work upon receipt of such termination notice shall not occasion a claim for extra costs.

8. TIME IS OF THE ESSENCE: In the event that the supplier/contractor fails to perform this Purchase Order within the time specified, the Purchasing Agent may, by written notice, order the supplier/contractor to cease further deliveries and may hold the supplier/contractor liable for any damages caused to the City by reason of such delay. If no time is specified, it is expected that the supplier/contractor shall begin performance within a reasonable time after placement of the order. The City may extend periods of performance if the facts as to the cause of the delay, in sole opinion of the Purchasing Agent, justify such an extension.

9. LIABILTIY: The supplier/contractor shall defend, indemnify and hold harmless the City, its elected officials, officers, employees, and agents from all claims, losses, damages, costs, expenses and suits, in law or in equity, because of personal injury, property damage, or alleged or actual patent infringements, based on the performance of this Purchase Order or asserted against it. Further, supplier/contractor warrants that the City shall not be responsible for any damages that may be claimed by reason or death injury of the person of the supplier/contractor's officer, agents, employees, invitees or licensees or for damage to any property of the supplier/contractor or any other damage that may arise or result at anytime because of personal injury or damage to property sustained by any other person or persons, which may have been caused or contributed by proximately or otherwise by reason of, or in course of, carrying out this Purchase Order.

10. DISPUTES: All disputes concerning questions of fact which may arise under this Purchase Order under this Purchase Order, and not disposed of by mutual agreement and/or consent, shall be decided by the sole discretion of the Purchasing Agent. All disputes concerning questions of law, which may arise under this Purchase Order, shall be decided under applicable laws of the State of California.

11. PAYMENTS: Payments shall be made upon submission of an itemized invoice, presented in duplicate of the prices stipulated in the Purchase Order and within 30 days of becoming due for supplies delivered and accepted or services rendered and accepted, less deductions if any. When requested by the supplier/contractor, payment on partial deliveries may be made whenever, in the sole discretion of the Purchasing Agent, the surrounding circumstances warrant such partial payment. In the event and, if for any reason, an overpayment is made; the City requires prompt refund of said overpayment by way of supplier/contactor's properly referenced check.

12. LICENSOR: All supplier/contractors who perform work within the City, must have on file at the Redlands City Revenue Office, a current and valid city business license.

13. CONFORMITY WITH SAFETY ORDERS: The goods and/or services covered by this Purchase Order or contract must conform to the safety order of OSHA, CAL-OSHA, and/or NIOSHA and any and all applicable material safety data sheets (MSDS).

14. PREVAILING WAGES: When applicable, the City is subject to the State of California prevailing wage laws as set forth in California Labor Code Section 1770 et seq. The contractor is responsible for determining the appropriate Department of Industrial Relations (DIR) classification for the various employees and subcontractors used for a particular project or service. The rates for each classification are posted on the DIR website at http://www.dir.ca.gov/DIRdatabases.html. All contractors performing work for the City are responsible for abiding by all applicable prevailing wage laws, and must furnish the City with Certified Payroll Records upon request.

City Council/Financing Authority Meeting **I. 9.**

DATE: 09/20/2022

TO: Honorable Mayor and City Council Members

SUBJECT: Approve the First Amendment to the Public Works Contract with Baker Electric & Renewables LLC for the HSIP Cycle 8 Emergency Vehicle Preemption System Project to extend the time for completion by one hundred and fifteen (115) calendar days (Municipal Utilities and Engineering Director Harris)

MOTION(S):

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

I move to approve the First Amendment to the Public Works Contract with Baker Electric & Renewables LLC for the HSIP Cycle 8 Emergency Vehicle Preemption System Project to extend the time for completion by one hundred and fifteen (115) calendar days.

RECOMMENDATION:

Staff recommends City Council approve the First Amendment to the Public Works Contract with Baker Electric & Renewables LLC for the HSIP Cycle 8 Emergency Vehicle Preemption System Project to extend the time for completion by one hundred and fifteen (115) calendar days.

DISCUSSION:

On June 21, 2022, City Council approved a Public Works Contract with Baker Electric & Renewables LLC (Baker) to construct the HSIP Cycle 8 Emergency Vehicle Preemption System Project (Project) for an amount not-to-exceed $937,418. This project is funded by the California Department of Transportation (CalTrans) through the Highway Safety Improvement Program (HSIP) and proposes to install emergency vehicle preemption (EVP) devices on traffic signals throughout the City.

The Project requires a Caltrans encroachment permit for portions of the work. The permitting process has been delayed and staff is working diligently to obtain the Caltrans permit with minimal impact to the project schedule. Additionally, Baker notified staff that the lead time for project materials is lengthy and will cause construction of the Project to exceed the Contract completion deadline. Therefore, staff is recommending a Contract amendment to increase the Contract time for completion by one hundred and fifteen (115) calendar days, resulting in a revised Contract time for completion of one hundred and ninety (190) calendar days. This is the only Contract revision proposed.

ALTERNATIVES:

City Council may deny the staff recommendation, although doing so would prevent completion of the project.

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
Goutam K. Dobey, City Engineer

PREPARED BY:
Veronica Medina, Associate Engineer

Fiscal Impact

Discussion:
There is no fiscal impact associated with this action.

Attachments

A. First Amendment to Baker Contract
B. Executed Contract (Reference only)

FIRST AMENDMENT TO PUBLIC WORKS CONSTRUCTION CONTRACT

This First Amendment ("First Amendment") to the Public Works Construction Contract for the HSIP Cycle 8 Emergency Vehicle Preemption System Project dated June 21, 2022 (the "Contract"), by and between the City of Redlands, a municipal corporation and general law city ("City"), and Baker Electric & Renewables LLC, a California limited liability company ("Contractor"), is made and entered into this 20th day of September, 2022.

RECITALS

WHEREAS, it is the desire of the City and Contractor to amend their existing Contract, specifically to amend the Time for Completion of the Contract; and

WHEREAS, the City Council approved the contract with contractor for work in accordance with the Contract Documents for City's HSIP Cycle 8 Emergency Vehicle Preemption System Project, Project No. 47026;

NOW, THEREFORE, in consideration of the mutual promises contained herein City and Contractor agree as follows:

AGREEMENT

Section 1. The time for completion, as set forth in Section 3 of the Contract, is hereby amended to increase Contractor's time for completion and shall read as follows:

> "TIME FOR COMPLETION: the Work shall be completed within One Hundred and Ninety (190) calendar days from and after the date of City's issuance of a Notice to Proceed to Contractor."

Section 2. All other provisions of the Contract shall remain unchanged by this First Amendment, and in effect.

[Signatures on Next Page]

IN WITNESS WHEREOF, the parties have executed this First Amendment, to be effective as of the 20th day of September, 2022.

CITY OF REDLANDS

_____
Paul T. Barich, Mayor

ATTEST:

_____
Jeanne Donaldson, City Clerk

BAKER ELECTRIC & RENEWABLES LLC

By: _____
Ted Baker, President/CEO

PUBLIC WORK CONSTRUCTION CONTRACT

This Public Work Construction contract ("Contract") is made and entered into this 21st day of June, 2022, by and between the City of Redlands, a municipal corporation, organized and existing under the laws of the State of California (hereinafter "City"), and Baker Electric & Renewables LLC (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: HSIP Cycle 8 Emergency Vehicle Preemption System Citywide, complete all items as required by the Contract Documents (as herein defined) and Specifications for City's HSIP Cycle 8 Emergency Vehicle Preemption System Citywide, Project No. 47026 (the "Work").

2. **CONTRACT SUM:** City shall pay Contractor the sum of Nine Hundred Thirty-Seven Thousand Four Hundred Eighteen Dollars ($937,418) as consideration for its performance of the Work in accordance with the terms and conditions set forth in the Contract Documents. The Contract Sum includes in the amount not-to exceed of $85,219 for construction contingency. Construction contingency has been allocated to cover cost growth during the Project to be used at the sole discretion of City for costs resulting from City directed changes to the Work to be performed under the Contract or unforeseen site conditions and may not be spent entirely. 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 Seventy-Five (75) calendar days 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 consecutive calendar day 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: _____
Paul T. Barich, Mayor

ATTEST:

_____
Jeanne Donaldson, City Clerk

(SEAL)

Baker Electric & Renewables LLC.
Name of Contractor

By: _____
Signature of Authorized Agent

President / CEO
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 & Engineering Department
HSIP Cycle 8 Emergency Vehicle Preemption System Citywide
Project No. 47026

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 20 day of June, 2022.

Baker Electric & Renewables LLC
(Contractor)

(Signature)

President / CEO
(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.)

Executed in Duplicate

Bond No. 9393839
Premium: $7,033.00
Premium is for Contract Term and Subject to Adjustment Based on Final Contract Price

FAITHFUL PERFORMANCE BOND

Whereas, the City of Redlands ("City"), State of California, and Baker Electric & Renewables LLC (hereinafter designated as "Principal") have entered into an agreement dated June 21, 2022 ("Agreement") whereby Principal agrees to install and complete certain public improvements (the "Work"), which said Agreement is identified as HSIP Cycle 8 Emergency Vehicle Preemption System Citywide, Project No. 47026 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, Fidelity and Deposit Company of Maryland, as Surety, are held and firmly bound unto the City in the penal sum of Nine Hundred Thirty-Seven Thousand Four Hundred Eighteen Dollars ($937,418) 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 June 17, 2022.

(SEAL)

Baker Electric & Renewables LLC
(Contractor)

(Signature) Ted N. Baker, President

(SEAL)

Fidelity and Deposit Company of Maryland
(Surety)

BY:

(Signature) Lawrence F. McMahon, Attorney-in-Fact

Address: 777 S. Figueroa Street, Ste. 3900
Los Angeles, CA 90017

Telephone (213) 270-0600

(Seal and Notarial Acknowledgment of Surety)

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of San Diego)

On June 17, 2022 before me, Maria Hallmark, Notary Public
(insert name and title of the officer)

personally appeared Lawrence F. McMahon,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ **(Seal)**

MARIA HALLMARK
Notary Public - California
San Diego County
Commission # 2356793
My Comm. Expires May 9, 2025

ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND
POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That the ZURICH AMERICAN INSURANCE COMPANY, a corporation of the State of New York, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, a corporation of the State of Illinois, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND a corporation of the State of Illinois (herein collectively called the "Companies"), by **Robert D. Murray, Vice President**, in pursuance of authority granted by Article V, Section 8, of the By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, do hereby nominate, constitute, and appoint **Lawrence F. MCMAHON, Sarah MYERS, Maria GUISE, Ryan E. WARNOCK, Janice MARTIN, Tara BACON, John R. QUALIN, Maria HALLMARK of San Diego, California EACH,** its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: **any and all bonds and undertakings,** and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the ZURICH AMERICAN INSURANCE COMPANY at its office in New York, New York., the regularly elected officers of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at its office in Owings Mills, Maryland., and the regularly elected officers of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at its office in Owings Mills, Maryland., in their own proper persons.

The said Vice President does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article V, Section 8, of the By-Laws of said Companies, and is now in force.

IN WITNESS WHEREOF, the said Vice-President has hereunto subscribed his/her names and affixed the Corporate Seals of the said **ZURICH AMERICAN INSURANCE COMPANY, COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND**, this 12th day of July, A.D. 2021.

ATTEST:
ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND

By: Robert D. Murray
Vice President

Dawn E. Brown

By: Dawn E. Brown
Secretary

State of Maryland
County of Baltimore

On this 12th day of July, A.D. 2021, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, **Robert D. Murray, Vice President and Dawn E. Brown, Secretary** of the Companies, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and acknowledged the execution of same, and being by me duly sworn, deposeth and saith, that he/she is the said officer of the Company aforesaid, and that the seals affixed to the preceding instrument are the Corporate Seals of said Companies, and that the said Corporate Seals and the signature as such officer were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written.

Constance A. Dunn

Constance A. Dunn, Notary Public
My Commission Expires: July 9, 2023

Authenticity of this bond can be confirmed at bondvalidator.zurichna.com or 410-559-8790

EXTRACT FROM BY-LAWS OF THE COMPANIES

"Article V, Section 8, Attorneys-in-Fact. The Chief Executive Officer, the President, or any Executive Vice President or Vice President may, by written instrument under the attested corporate seal, appoint attorneys-in-fact with authority to execute bonds, policies, recognizances, stipulations, undertakings, or other like instruments on behalf of the Company, and may authorize any officer or any such attorney-in-fact to affix the corporate seal thereto; and may with or without cause modify of revoke any such appointment or authority at any time."

CERTIFICATE

I, the undersigned, Vice President of the ZURICH AMERICAN INSURANCE COMPANY, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the foregoing Power of Attorney is still in full force and effect on the date of this certificate; and I do further certify that Article V, Section 8, of the By-Laws of the Companies is still in force.

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the ZURICH AMERICAN INSURANCE COMPANY at a meeting duly called and held on the 15th day of December 1998.

RESOLVED: "That the signature of the President or a Vice President and the attesting signature of a Secretary or an Assistant Secretary and the Seal of the Company may be affixed by facsimile on any Power of Attorney...Any such Power or any certificate thereof bearing such facsimile signature and seal shall be valid and binding on the Company."

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at a meeting duly called and held on the 5th day of May, 1994, and the following resolution of the Board of Directors of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at a meeting duly called and held on the 10th day of May, 1990.

RESOLVED: "That the facsimile or mechanically reproduced seal of the company and facsimile or mechanically reproduced signature of any Vice-President, Secretary, or Assistant Secretary of the Company, whether made heretofore or hereafter, wherever appearing upon a certified copy of any power of attorney issued by the Company, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seals of the said Companies, this 17th day of June, 2022.

By: Brian M. Hodges
Vice President

TO REPORT A CLAIM WITH REGARD TO A SURETY BOND, PLEASE SUBMIT A COMPLETE DESCRIPTION OF THE CLAIM INCLUDING THE PRINCIPAL ON THE BOND, THE BOND NUMBER, AND YOUR CONTACT INFORMATION TO:

Zurich Surety Claims
1299 Zurich Way
Schaumburg, IL 60196-1056
www.reportsfclaims@zurichna.com
800-626-4577

Authenticity of this bond can be confirmed at bondvalidator.zurichna.com or 410-559-8790

Executed in Duplicate

Bond No. 9393839
Premium included in
Performance Bond

LABOR AND MATERIAL BOND

Whereas, the City Council of the City of Redlands, State of California, and Baker Electric & Renewables LLC (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 June 21, 2022, and identified as HSIP Cycle 8 Emergency Vehicle Preemption System Citywide Project, Project No. 47026 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 Nine Hundred Thirty-Seven Thousand Four Hundred Eighteen dollars ($937,418) 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 June 17, 2022.

(SEAL)

Baker Electric & Renewables LLC

(Contractor)

(Signature) Ted N. Baker, President

(Seal and Notarial Acknowledgement of Surety)

(SEAL)

Fidelity and Deposit Company of Maryland

(Surety)

BY:

(Signature) Lawrence F. McMahon, Attorney-in-Fact

Address: 777 S. Figueroa Street, Ste. 3900
Los Angeles, CA 90017

Telephone: (213) 270-0600

L:\ca\Agreements\Baker Electric & Renewables Contract.PW-3.1.FY21-0148.doc.jn

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of San Diego)

On June 17, 2022 before me, Maria Hallmark, Notary Public
(insert name and title of the officer)

personally appeared Lawrence F. McMahon,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ **(Seal)**

MARIA HALLMARK
Notary Public - California
San Diego County
Commission # 2356793
My Comm. Expires May 9, 2025

ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND
POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That the ZURICH AMERICAN INSURANCE COMPANY, a corporation of the State of New York, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, a corporation of the State of Illinois, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND a corporation of the State of Illinois (herein collectively called the "Companies"), by **Robert D. Murray, Vice President**, in pursuance of authority granted by Article V, Section 8, of the By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, do hereby nominate, constitute, and appoint **Lawrence F. MCMAHON, Sarah MYERS, Maria GUISE, Ryan E. WARNOCK, Janice MARTIN, Tara BACON, John R. QUALIN, Maria HALLMARK of San Diego, California EACH,** its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: **any and all bonds and undertakings,** and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the ZURICH AMERICAN INSURANCE COMPANY at its office in New York, New York., the regularly elected officers of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at its office in Owings Mills, Maryland., and the regularly elected officers of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at its office in Owings Mills, Maryland., in their own proper persons.

The said Vice President does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article V, Section 8, of the By-Laws of said Companies, and is now in force.

IN WITNESS WHEREOF, the said Vice-President has hereunto subscribed his/her names and affixed the Corporate Seals of the said **ZURICH AMERICAN INSURANCE COMPANY, COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND,** this 12th day of July, A.D. 2021.

ATTEST:
ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND

By: Robert D. Murray
Vice President

By: Dawn E. Brown
Secretary

State of Maryland
County of Baltimore

On this 12th day of July, A.D. 2021, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, **Robert D. Murray, Vice President and Dawn E. Brown, Secretary** of the Companies, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and acknowledged the execution of same, and being by me duly sworn, deposeth and saith, that he/she is the said officer of the Company aforesaid, and that the seals affixed to the preceding instrument are the Corporate Seals of said Companies, and that the said Corporate Seals and the signature as such officer were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written.

Constance A. Dunn, Notary Public
My Commission Expires: July 9, 2023

Authenticity of this bond can be confirmed at bondvalidator.zurichna.com or 410-559-8790

EXTRACT FROM BY-LAWS OF THE COMPANIES

"Article V, Section 8, Attorneys-in-Fact. The Chief Executive Officer, the President, or any Executive Vice President or Vice President may, by written instrument under the attested corporate seal, appoint attorneys-in-fact with authority to execute bonds, policies, recognizances, stipulations, undertakings, or other like instruments on behalf of the Company, and may authorize any officer or any such attorney-in-fact to affix the corporate seal thereto; and may with or without cause modify of revoke any such appointment or authority at any time."

CERTIFICATE

I, the undersigned, Vice President of the ZURICH AMERICAN INSURANCE COMPANY, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the foregoing Power of Attorney is still in full force and effect on the date of this certificate; and I do further certify that Article V, Section 8, of the By-Laws of the Companies is still in force.

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the ZURICH AMERICAN INSURANCE COMPANY at a meeting duly called and held on the 15th day of December 1998.

RESOLVED: "That the signature of the President or a Vice President and the attesting signature of a Secretary or an Assistant Secretary and the Seal of the Company may be affixed by facsimile on any Power of Attorney...Any such Power or any certificate thereof bearing such facsimile signature and seal shall be valid and binding on the Company."

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at a meeting duly called and held on the 5th day of May, 1994, and the following resolution of the Board of Directors of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at a meeting duly called and held on the 10th day of May, 1990.

RESOLVED: "That the facsimile or mechanically reproduced seal of the company and facsimile or mechanically reproduced signature of any Vice-President, Secretary, or Assistant Secretary of the Company, whether made heretofore or hereafter, wherever appearing upon a certified copy of any power of attorney issued by the Company, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seals of the said Companies, this 17th day of June, 2022.



By: Brian M. Hodges
Vice President

TO REPORT A CLAIM WITH REGARD TO A SURETY BOND, PLEASE SUBMIT A COMPLETE DESCRIPTION OF THE CLAIM INCLUDING THE PRINCIPAL ON THE BOND, THE BOND NUMBER, AND YOUR CONTACT INFORMATION TO:

Zurich Surety Claims
1299 Zurich Way
Schaumburg, IL 60196-1056
www.reportsfclaims@zurichna.com
800-626-4577

Authenticity of this bond can be confirmed at bondvalidator.zurichna.com or 410-559-8790

City Council/Financing Authority Meeting **I. 10.**

DATE: 09/20/2022

TO: Honorable Mayor and City Council Members

SUBJECT: Approve the agreement between the City of Redlands and the County of San Bernardino for use of their weapons firing range facilities for an amount not to exceed $20,000 (Police Chief Catren)

MOTION(S):

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

I move to approve the agreement between the City of Redlands and the County of San Bernardino for use of their weapons firing range facilities.

RECOMMENDATION:

Staff recommends that Council approve the agreement between the City of Redlands and the County of San Bernardino for use of their weapons firing range facilities.

DISCUSSION:

The California Commission on Peace Officers Standards and Training (POST) requires police officers to conduct firearm qualifications. Redlands Police officers are required to qualify for their respective firearms three times per year. One of those qualifications must be a night-time qualification. Although this is a minimum requirement, the ability to train more frequently ensures that department members are more proficient with their firearms and will reduce the potential for liability. Trimester firearms qualifications are only one consideration when discussing the need to access weapons firing range facilities. Department personnel also need range access to test weapons that have been submitted to an armorer for repair, sighting in newly purchased weapons or optics, and to qualify retired police officers for the issuance of their Carry Concealed Weapons (CCW) permits. The SWAT team is required to train with their firearms on a

monthly basis. Currently, the City of Redlands does not have a shooting range. The City of Redlands has been contracting with the County of San Bernardino for weapons firing range facilities for several years. The agreement with the County enables Redlands Police Department personnel to utilize the pistol range, rifle range, classroom facilities, the Gas House, RAC House, Mat Room, and the Live Fire House. The costs associated with these facilities are listed in Schedule B of the attached agreement. Currently, the County is the only local agency that offers the aforementioned amenities needed to conduct mandated and recommended training.

The proposed agreement will establish fixed costs for the next fiscal year only. This fiscal year's price for using the range and other weapon facilities has increased significantly. The contract indicates that costs may be adjusted during the next fiscal year. Due to the significant cost increases associated with using the weapons facilities for the upcoming fiscal year, staff is requesting the contract not to exceed $20,000. The contract does provide the City with the flexibility to terminate the contract early with just 30 days notice to the County.

ALTERNATIVES:

Do not approve the agreement between the City of Redlands and the County of San Bernardino for use of their weapons firing range facilities. The Redlands Police Department would have to find another suitable location.

STRATEGIC PLAN:

Not applicable

SUBMITTED BY:
Christopher R. Catren, Police Chief

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:
Travis Martinez, Deputy Chief of Police

Fiscal Impact

Fiscal Year: 22/23
Revenue Generating: N
Appropriation Required Y/N: N
Budgeted Y/N: Y
Discussion:

The costs associated with this agreement have already been budgeted for FY 22/23.

Attachments

Range Agreement

THE INFORMATION IN THIS BOX IS NOT A PART OF THE CONTRACT AND IS FOR COUNTY USE ONLY

Contract Number
SHR - 22- 0136

SAP Number
N/A

Sheriff/Coroner/Public Administrator

Department Contract Representative	Kelly Welty, Chief Deputy Director of Sheriff's Administration
Telephone Number	(909) 387-0640
Contractor	City of Redlands
Contractor Representative	Christopher R. Catren
Telephone Number	(909)798-7661
Contract Term	XX-XX-2022 through 06-30-2027
Original Contract Amount	Fee per Service
Amendment Amount	
Total Contract Amount	
Cost Center	

IT IS HEREBY AGREED AS FOLLOWS*:*

AGREEMENT FOR USE OF SAN BERNARDINO COUNTY SHERIFF/CORONER/PUBLIC ADMINISTRATOR WEAPONS FIRING RANGE FACILITIES

WHEREAS, the County, through the Sheriff/Coroner/Public Administrator, hereinafter referred to as "Sheriff", operates a Weapons Firing Range (Range), a Live Fire House (LFH), a Tactical Training House (TACH); and a Chemical Agents Facility (CAF) located at the Frank Bland Regional Training Center (Training Center); **AND**

WHEREAS, the Contractor desires to enter into an Agreement for the use of said Range for the purpose of firearms training; or of said CAF for periodic chemical agent (tear gas) training; or of said LFH and/or TACH for the purpose of periodic firearms qualification shoots and/or firearms training;

NOW, THEREFORE, the parties agree as follows:

A. SCOPE OF SERVICES

A.1 The Contractor shall make use of the Range, CAF, LFH, or TACH at approximately quarterly intervals during each contractual year. Contractor shall be provided access to the Range as many times as required to ensure that all Contractor's law enforcement personnel and/or students have successfully completed qualifying shoots and/or training sessions. Use of the Range shall take place during normal Range operating hours, at times and dates specified by the Sheriff's Range Master and/or Range Safety Officer. Available Range facilities shall include, but are not limited to, the following: pistol range, rifle range, and classroom facilities.

A.2 The Contractor shall coordinate with a designated County Range Safety Officer regarding the proper use of the Range, CAF, LFH and TACH facilities. Contractor shall ensure that all Contractor's personnel and students utilizing the Range, CAF, LFH, or TACH are knowledgeable regarding proper use of the Range, CAF, LFH and/or TACH facilities.

A.3 The LFH and TACH are limited to use by Special Weapons and Tactics (SWAT) teams and must be approved by the Sheriff's Range Master, or designee, to assure proper training and qualification.

A.4 Instructors must consult with the Sheriff's Range Safety Officer for an update of LFH and TACH procedures if a 12-month period of non-use has occurred.

A.5 The Contractor shall supply, at no cost to the County, a qualified Range Master, who has successfully completed a California Peace Officer Standards of Training (P.O.S.T.) approved (or equivalent) firearms instructor course, who shall personally supervise and control the course of training of Contractor's personnel and students at the Range, CAF, LFH and TACH subject to oversight and approval of the Sheriff's Range Master and Range Safety Officer. Contractor shall always have at least two safety persons (approved by Sheriff Department's staff) per scenario on site at the LFH and/or TACH during any training activity. Depending upon the nature of the training activity, Sheriff's Range Master or Range Safety Officer, or equivalent Range/CAF/LFH/TACH personnel, reserves the right to take direct control of the course of training of Contractor's personnel and students with the assistance of Contractor's Range Master.

A.5.1 Contractor shall supply copies of all related certifications of all instructors/safety officers.

A.5.2 All participants shall conduct themselves in accordance with Range Rules and Regulations, as detailed in Exhibit A; Live Fire House Regulations and Safety Rules, as detailed in Exhibit B; Chemical Agents Facility Regulations and Safety Rules, as detailed in Exhibit C; and Tactical Training House Regulations and Safety Rules, as detailed in Exhibit D, attached hereto and incorporated herein by reference.

A.5.3 Violations of the above-mentioned rules and regulations may result in immediate termination of Contractor's Range, LFH, CAF and TACH privileges.

A.6 The Contractor shall limit the use of the Sheriff Department's Range, CAF, LFH, and TACH facilities to those personnel and students currently employed or enrolled with Contractor at the time the Range, CAF, LFH, and/or TACH are used.

A.7 The Contractor shall supply and bear the cost of all supplies or equipment necessary for shoots or training, above those detailed in the Schedule A, attached hereto and incorporated herein by reference. Contractor shall supply all necessary ammunition and weapons. All expended shell casings shall become the sole property of the County.

A.8 The Contractor shall submit a course of fire to the Sheriff's Range Master or Range Safety Officer prior to Contractor's initial use of the Range, LFH, and/or TACH facilities. Contractor shall submit a new course of fire prior to making any change in use of the Range, LFH, and/or TACH facilities.

A.9 The Contractor shall supply the Sheriff's Range Master or Range Safety Officer with contact information for Contractor's lead instructor/Range Master.

A.10 It shall be the sole responsibility of the Contractor to ensure that all shooters arrive for all shoots and/or training sessions. Contractor is required to submit a roster of individuals in attendance at the Training Center.

B. TERM AND TERMINATION

The term of this Agreement shall be for a period commencing on August 1, 2022, or upon the date of approval by the Sheriff, whichever is later, and ending on June 30, 2027. Notwithstanding the foregoing, this contract may be terminated at any time with or without cause by Contractor or by Sheriff upon written notice given to the other party at least thirty (30) days prior to the date specified for such termination. Any

such termination date shall coincide with the end of a calendar month. In the event of such termination, each party shall fully pay and discharge all obligations in favor of the other accruing prior to the date of such termination, and each party shall be released from all obligations or performance which would otherwise accrue subsequent to the date of termination. Neither party shall incur any liability to the other by reason of termination.

C. FISCAL PROVISIONS

C.1 The Contractor shall compensate the County at the rates set forth and attached hereto as Schedule B, per agency, based upon the actual number of shooters or per facility fee, per session. Sessions up to four hours will be considered a half-day session with a limit of twenty (20) shooters in four hours. Sessions more than four hours (or more than twenty (20) shooters) will be considered a whole day session.

C.2 Each Contractor agency is responsible for its per shooter/facility/session charges. If multiple Contractor Agencies train together, the charges cannot be combined and will be billed separately.

C.3 Contractor shall be billed in arrears on a quarterly basis. Contractor will submit payment to the Sheriff Department's Bureau of Administration for the costs billed within forty-five (45) days of invoice.

C.4 Schedule B reflects the rates in effect at the execution of this Agreement. County shall have the right to adjust the rates provided under this Agreement at the end of each fiscal year for the ensuing fiscal year. Any subsequent cost change(s) shall become effective on July 1 of the County fiscal year (July 1 through June 30). Such rate change(s) can include changes to Memoranda of Understanding approved by the County Board of Supervisors for County employees and other inflationary costs. Sheriff shall provide notice to Contractor of pending rate change(s) by providing Contractor with a revised Schedule B reflecting such rate change(s).

C.5 CANCELLATION POLICY: Contractor agrees to pay the full cost of any scheduled facility session according to the Schedule B charges for the specific shooter/time booked unless the reserved time has been cancelled, at a minimum, twenty-four (24) hours prior to the scheduled session time. Contractor may cancel scheduled sessions by calling the Sheriff's Range office at (909) 473-2549 or by e-mail to: sheriffsrange@sbcsd.org.

D. INDEMNIFICATION AND INSURANCE REQUIREMENTS

D.1 Indemnification

The Contractor agrees to indemnify, defend (with counsel reasonably approved by County) and hold harmless the County and its authorized officers, employees, agents and volunteers ("Indemnitees") from any and all direct claims, actions, losses, damages and/or liability arising out of this Agreement from any cause whatsoever, including the acts, errors or omissions of any person and for any costs or expenses incurred by the County on account of any claim except where such indemnification is prohibited by law. This indemnification provision shall apply regardless of the existence or degree of fault of Indemnitees. The Contractor indemnification obligation does not apply to the County's "sole negligence" or "willful misconduct" within the meaning of Civil Code section 2782. Provided, however, that this indemnity does not extend to any environmental hazards or risks.

D.2 Additional Insured

All policies, except for Worker's Compensation, Errors and Omissions and Professional Liability policies shall contain additional endorsements naming the County and its officers, employees, agents and volunteers as additional named insured with respect to liabilities arising out of the performance of services hereunder. The additional insured endorsements shall not limit the scope of coverage for the County to vicarious liability but shall allow coverage for the County to the full extent provided by the policy. Such additional insured coverage shall be at least as broad as Additional Insured (Form B) endorsement form ISO, CG 2010.11 85.

D.3 Waiver of Subrogation Rights

The Contractor shall require the carriers of the above required coverages to waive all rights of subrogation against the County, its officers, employees, agents, volunteers, contractors, and subcontractors. All general or auto liability insurance coverage provided shall not prohibit the Contractor and Contractor's employees or agents from waiving the right of subrogation prior to a loss or claim. The Contractor hereby waives all rights of subrogation against the County.

D.4 Policies Primary and Non-Contributory

All policies required above are to be primary and non-contributory with any insurance or self-insurance programs carried or administered by the County.

D.5 Severability of Interests

The Contractor agrees to ensure that coverage provided to meet these requirements is applicable separately to each insured and there will be no cross liability exclusions that preclude coverage for suits between the Contractor and the County or between the County and any other insured or additional insured under the policy.

D.6 Proof of Coverage

The Contractor shall furnish Certificates of Insurance to the Sheriff's Department to the address referenced in Paragraph F, evidencing the insurance coverage at the time the Agreement is executed, additional endorsements, as required shall be provided prior to the commencement of performance of services hereunder, which certificates shall provide that such insurance shall not be terminated or expire without thirty (30) days written notice to the Department, and Contractor shall maintain such insurance from the time Contractor commences performance of services hereunder until the completion of such services. Within fifteen (15) days of the commencement of this contract, the Contractor shall furnish a copy of the Declaration page for all applicable policies and will provide complete certified copies of the policies and endorsements immediately upon request.

D.7 Acceptability of Insurance Carrier

Unless otherwise approved by Risk Management, insurance shall be written by insurers authorized to do business in the State of California and with a minimum "Best" Insurance Guide rating of "A-VII".

D.8 Deductibles and Self-Insured Retention

Any and all deductibles or self-insured retentions in excess of $10,000 shall be declared to and approved by Risk Management.

D.9 Failure to Procure Coverage

In the event that any policy of insurance required under this Agreement does not comply with the requirements, is not procured, or is canceled and not replaced, the County has the right but not the obligation or duty to cancel the Agreement or obtain insurance if it deems necessary and any premiums paid by the County will be promptly reimbursed by the Contractor or County invoices to the Contractor will be increased to pay for County purchased insurance.

D.10 Insurance Review

Insurance requirements are subject to periodic review by the County. The Direction of Risk Management or designee is authorized, but not required, to reduce, waive or suspend any insurance requirements whenever Risk Management determines that any of the required insurance is not available, is unreasonably priced, or is not needed to protect the interests of the County. In addition, if the Department of Risk Management determines that heretofore unreasonably priced or unavailable types of insurance coverage or coverage limits become reasonably priced or available, the Director of Risk Management or designee is authorized, but not required, to change the above insurance requirements to require additional types of insurance coverage or higher coverage limits, provided that any such change is reasonable in light of past claims against the County, inflation, or any other item reasonably related to the County's risk.

Any change requiring additional types of insurance coverage or higher coverage limits must be made by amendment to this Agreement. Contractor agrees to execute any such amendment within thirty (30) days of receipt.

Any failure, actual or alleged, on the part of the County to monitor or enforce compliance with any of the insurance and indemnification requirements will not be deemed as a waiver of any rights on the part of the County.

D.11 The Contractor agrees to provide insurance set forth in accordance with the requirements herein. If the Contractor uses existing coverage to comply with these requirements and that coverage does not meet the specified requirements, the Contractor agrees to amend, supplement or endorse the existing coverage to do so.

For contractors which are considered self-insured public entities: Both Contractor and County are authorized self-insured public entities for purposes of Professional Liability, General Liability, Automobile Liability, and Workers' Compensation. Contractor and County warrant that through their respective program of self-insurance, they have adequate coverage or resources to protect against liabilities arising out of the performance of the terms, conditions or obligations of this agreement.

For contractors which are not considered self-insured public entities: Without in anyway affecting the indemnity herein provided and in addition thereto, the Contractor shall secure and maintain throughout the Agreement the following types of insurance with limits as shown:

D.11.1 Workers' Compensation Liability - A program of Workers' Compensation insurance or a state-approved self-insurance program in an amount and form to meet all applicable requirements of the Labor Code of the State of California, including Employer's Liability with $250,000 limits, covering all persons including volunteers providing services on behalf of the Contractor and all risks to such persons under this Agreement.

D.11.2 Commercial/General Liability Insurance - The Contractor shall carry General Liability Insurance covering all operations performed by or on behalf of the Contractor providing coverage for bodily injury and property damage with a combined single limit of not less than one million dollars ($1,000,000), per occurrence. The policy coverage shall include:

a. Premises operations and mobile equipment.
b. Products and completed operations.
c. Broad form property damage (including completed operations).
d. Explosion, collapse and underground hazards.
e. Personal injury.
f. Contractual liability.
g. $2,000,000 general aggregate limit.

D.11.3 Automobile Liability Insurance - Primary insurance coverage shall be written on ISO Business Auto coverage form for all owned, hired and non-owned automobiles or symbol 1 (any auto). The policy shall have a combined single limit of not less than one million dollars ($1,000,000) for bodily injury and property damage, per occurrence.

If the Contractor is transporting one or more non-employee passengers in performance of contract services, the automobile liability policy shall have a combined single limit of two million dollars ($2,000,000) for bodily injury and property damage per occurrence.

If the Contractor owns no autos, a non-owned auto endorsement to the General Liability policy described above is acceptable.

D.11.4 Umbrella Liability Insurance - An umbrella (over primary) or excess policy may be used to comply with limits or other primary coverage requirements. When used, the umbrella policy shall apply to bodily injury/property damage, personal injury/advertising injury and shall include a "dropdown" provision providing primary coverage for any liability not covered by the primary policy. The coverage shall also apply to automobile liability.

D.11.5 Abuse/Molestation Insurance – Contractor shall have abuse or molestation insurance providing coverage for all employees for the actual or threatened abuse or molestation by anyone of any person in the care, custody, or control of any insured, including negligent employment, investigation and supervision. The policy shall provide coverage for both defense and indemnity with liability limits of not less than one million dollars ($1,000,000) with a two million dollars ($2,000,000) aggregate limit.

D.12 Any such reduction or waiver for the entire term of the agreement and any change requiring additional types of insurance coverage or higher coverage limits must be made by amendment to this agreement. Contractor agrees to execute any such amendment within thirty (30) days of receipt.

E. NOTICES

All written notices provided for in this Agreement or which either party desires to give to the other shall be deemed fully given, when made in writing and either served personally, or by facsimile, or deposited in the United States mail, postage prepaid, and addressed to the other party as follows:

San Bernardino County Sheriff's Department
Bureau of Administration, Contracts Unit
655 East Third Street
San Bernardino, CA 92415-0061

City of Redlands
ATTN: City Clerk
PO Box 3005
Redlands, CA 92373

Notice shall be deemed communicated two (2) County working days from the time of mailing if mailed as provided in this paragraph.

F. AUTHORITY

The Sheriff/Coroner/Public Administrator of San Bernardino County, or designee, shall have the right to exercise the County's authority under this Agreement including the right to give notice of termination on behalf of the County at his sole discretion.

G. AGREEMENT AUTHORIZATION

The Contractor warrants and represents that the individual signing this Agreement is a properly authorized representative of the Contractor and has the full power and authority to enter into this Agreement on the Contractor's behalf.

H. ENTIRE AGREEMENT

This Agreement, including all Exhibits and Schedules, which are attached hereto and incorporated by reference, represents the final, complete and exclusive agreement between the parties hereto. Any prior agreement, promises, negotiations or representations relating to the subject matter of this Agreement not expressly set forth herein are of no force or effect. This Agreement is executed without reliance upon any promise, warranty or representation by any party or any representative of any party other than those expressly contained herein.

This Agreement may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, and such counterparts shall together constitute one and the same Agreement. The parties shall be entitled to sign and transmit an electronic signature of this Agreement (whether by facsimile, PDF or other mail transmission), which signature shall be binding on the party whose name is contained therein. Each party providing an electronic signature agrees to promptly execute and deliver to the other party an original signed Agreement upon request.

IN WITNESS WHEREOF, the San Bernardino County and the Contractor have each caused this Contract to be subscribed by its respective duly authorized officers and delivered this Agreement on the Execution Date on its behalf.

Approved as to Legal Form

Name, Title

Dated: _____

Agency Name_____

► _____
Signature

City of Redlands
(Print or type name of agency/department)

By ► _____
(Authorized signature - sign in blue ink)

Name _____
(*Print or type name of person signing contract)*

Title _____
(Print or Type)

Dated: _____

Address PO Box 3005

Redlands, CA 92373

ATTEST:

_____
Jeanne Donaldson
City Clerk

FOR SAN BERNARDINO COUNTY SHERIFF'S USE ONLY

Approved as to Legal Form ► Richard D. Luczak, Deputy County Counsel Date _____	_____ _____	Reviewed/Approved by Sheriff-Coroner Authorized Signature ► Kelly Welty, Chief Deputy Director of Sheriff Administration Date _____

SCHEDULE A

SUPPLIES AND SERVICES PROVIDED BY THE SAN BERNARDINO COUNTY SHERIFF'S DEPARTMENT FOR USE OF THE RANGE FACILITIES:

1. Target backing.
2. Target frames (stands).
3. Gun cleaning supplies and a designated area for gun cleaning.

ADDITIONAL INFORMATION:

- CONTRACTOR will provide targets, staple guns and staples. Additional imported targets (steel, windshields, etc.) need the approval of the Rangemaster or Designee.

- Inmate assistance for range set up and target maintenance is available on a limited basis and is not guaranteed.

- Nighttime use of the range facilities is available on a limited basis and must be approved by the Sheriff's Rangemaster or Designee.

SCHEDULE B

SAN BERNARDINO COUNTY SHERIFF'S DEPARTMENT

USE OF WEAPONS FIRING RANGE FACILITIES FEE SCHEDULE 2022-27 *

FACILITY (Per Session)	HALF DAY UP TO FOUR (4) HOURS/DAY (UP TO 20 SHOOTERS)	FULL DAY MORE THAN FOUR (4) HOURS/DAY (MORE THAN 20 SHOOTERS)
Shooting Range	$23 per Shooter	
Live Fire House	$460	$920
Gas House	$220	$440
RAC House / Simmunition House / TAC House	$460	$920
Mat Room **	$220	
Classroom **	$220	

* The rates on this page are for the fiscal year 2022-23 only and may be adjusted each fiscal year.

** Charged when no other exercise is being conducted by an agency on the same day.

EXHIBIT A

NOTICE

RANGE SAFETY ADVISORY

THE FOLLOWING SAFETY PROCEDURES WILL BE STRICTLY ENFORCED:

1. Upon arrival, all weapons are to remain holstered until participants are instructed to report to the firing line and given commands for the course of fire.

2. All shooters must wear proper ear and eye protection as approved by the Sheriff's Range.

3. Weapons are to be loaded or down loaded at the firing line, or as otherwise instructed by the Range Safety Officer.

4. Only magazines and speed loaders may be down loaded and replaced with live ammunition in the staging area.

5. After completing the course of fire, weapons are to be re-holstered upon leaving the firing line.

6. Weapons may be un-holstered in the cleaning room and rendered safe for cleaning by using the bullet containment system located in the cleaning room.

7. A duty round may only be re-chambered at the firing line or by using the bullet containment system located in the cleaning room.

8. Violation of any safety rule will result in removal of the violator from the Range. Flagrant safety violations could lead to suspension of future range privileges to the violator and/or the agency or organization the violator represents.

9. Eating, open toed shoes, and shorts are not permitted on the firing ranges

IF THERE ARE ANY QUESTIONS, PLEASE CONSULT THE RANGE SAFETY OFFICER OR RANGEMASTER

EXHIBIT B

San Bernardino Sheriff's Department
Live Fire House Regulations and Safety Rules

1. Approval for use of the Live Fire House must be made by the or the Rangemaster or his/her Designee; authorized firearms instructors must be present during use; the primary (lead) instructor is responsible for the safe operation and maintenance of the Live Fire House; all training, presentation, or demonstrations, whether live fire or not, will be under the direct supervision of an instructor; the primary instructor will ensure that all participants involved in live fire training are qualified to do so; all instructors must have satisfactorily completed a "Live Fire House Operations-Instructor Development Course", as offered by either San Bernardino County Sheriff's Department (or equivalent subject to the approval of the Sheriff's Rangemaster); the primary instructor will ensure that all participants involved in Live Fire House training receive a safety briefing that includes basic firearms safety, and the safe operating procedures for the Live Fire House; all loading and unloading of weapons will be under the direct supervision of a firearms instructor; the primary instructor will ensure that the following safety equipment is on-hand prior to "Live Firearms Training", these include, first aid trauma kit, radio or other form of communication, that fire extinguishers are present and charged, and the approach gate to the LFH remains clear of obstruction at all times.

2. Under most circumstances, the student to authorized instructor ratio will not exceed 3 to 1; body armor, eye and hearing protection must be worn by everyone who enters the Live Fire House; prior to live fire exercises, all rooms will be checked to ensure that no personnel are present; firearm instructors will ensure that targets are placed so that, when engaged, rounds will hit the proper backstop and rounds will not exit the building; authorized/approved frangible ammunition shall only be used, if your ammunition is not on the approved list a test must be conducted by the Range Staff to verify that the ammunition is appropriate for the facility; no metal targets will be allowed; instructors shall review all targets and angles of deflections before beginning live fire; if during any training a safety whistle is blown or a command that is designated as a "Cease Fire" command is made, the shooter(s) shall freeze their movement, place trigger fingers outside of trigger guards, depress the weapons muzzles, repeat "Cease Fire" and wait for further commands from the instructor; students are required to follow the direction of the instructors and the safe operating procedures at all times, failure to do so is just cause for removal from training, all observers are required to follow the safety rules established for the Live Fire House at all times, failure to comply with these safety rules is just cause for removal from the Live Fire Facility; instructors shall ensure that no shots impact any containment wall closer than 18" from its upper edge; instructors shall monitor students to ensure that firing positions are not taken that may endanger other students or may allow fired round(s) from escaping the containment area.

3. The red range flag must be hoisted prior to use; at the conclusion of the training session the building shall be checked for damage, potential fire concerns and then secured; all damage not consistent with normal wear must be repaired, replaced and reported.

4. The entrance gates to the Live Fire House will be closed during all live fire exercises, with entry being approved only by the primary safety officer; no unauthorized persons shall be present in or around the Live Fire House without checking in with the safety officer and having his or her consent to be present; any injuries must be immediately reported to the Range Safety Officer or Rangemaster; a post operation inspection of the Live Fire House facility will be made by the primary

instructor to ensure the following: all weapons, ammunition, diversionary devices, body armor, and other equipment used during the training period are accounted for, that brass has been collected and that all other debris within the Live Fire House has been removed, that no student(s) has sustained any injuries during training, that no damage has been caused by the training; account for all personnel who used the Live Fire House.

5. All agencies seeking to use the Live Fire House must have a current contract with the County of San Bernardino for such use, and insurance document, on file; curriculum of exercises that are to be conducted in the Live Fire House must be submitted in advance to the Rangemaster for approval; specific safety policies and procedures of the San Bernardino County Sheriff's Department must be followed at all times; firearms shall not be handled by persons with a blood alcohol content in excess of .00% by weight or under the influence of drugs or medication that would impair their motor skills, judgment, or balance; and no chemical agents may be used in the Live Fire House.

6. All ammunition(s) used at the Life Fire House must be approved by the San Bernardino County Sheriff's Department and meet Department standards.

EXHIBIT C

San Bernardino County Sheriff's Department
Chemical Agents Facility Regulations and Safety Rules

1. Approval for use of the Sheriff's Chemical Agents Facility (CAF) must be made by the Rangemaster or his/her designee; authorized chemical agents instructors must be present during use; the primary (lead) instructor is responsible for the safe operation and maintenance of the CAF; all training, presentation, or demonstrations, whether live training or not, will be under the direct supervision of an instructor; the primary instructor will ensure all participants involved in training are qualified to do so; all instructors must have satisfactorily completed a POST certified "Chemical Agents Instructor Course," as offered by either the San Bernardino County Sheriff's Department or equivalent, subject to the approval of the Sheriff's Rangemaster; the primary instructor will ensure the following safety equipment is on-hand prior to live training, these include, first aid trauma kit, radio or other form of communication, charged fire extinguisher(s), operable water source, "dud" container(s) with water.

2. No firearms and/or edged weapons shall be present by those involved in chemical agents training; chemical agents shall not be handled by persons with a blood alcohol content more than .00% by weight or under the influence of drugs or medication that would impair their motor skills, judgment, or balance; any injuries shall be immediately reported to the Rangemaster or readily available Range staff member; a post operation inspection of the CAF will be made by the primary instructor to ensure any related equipment utilized during the training period are accounted for and removed; damage to the CAF shall be immediately reported to the Rangemaster or his/her designee; if at any time, flagrant safety violations are observed, the Rangemaster or his/her designee shall assume control of the training session until its conclusion.

3. Chemical agents training shall adhere to the most current "POST Guidelines for Student Safety in Certified Courses" manual and section six (6) of the Sheriff's Training Division Safety Policy (available via the Range Office); all participants are required to follow the direction of the instructors and the safe operating procedures at all times, failure to do so is just cause for removal from training, all observers are required to follow the safety rules established for the CAF; the red notification flag must be hoisted prior to using the CAF; at the conclusion of the training session the CAF shall be checked for damage, potential fire concerns and then secured; all damage not consistent with normal wear must be repaired and/or replaced and reported.

4. Students/participants who are issued or using an air-purifying respirator (APR) when participating in chemical agents training must have completed any agency required medical examination, shall have met CAL/OSHA requirements for fit testing and use a NIOSH approved APR; the following staff-to-student ratios shall be used inside the CAF:

Verbal/Classroom Instruction	1:20
Application/Practical's	1:1

EXHIBIT D

San Bernardino Sheriff's Department
Tac-House Regulations and Safety Rules

1. Approval for use of the Tac-House must be made by the Rangemaster or his/her designee; authorized firearms instructors must be present during use; the primary (lead) instructor is responsible for the safe operation and maintenance of the Tac-House; all training, presentations, demonstrations, and live training evolutions will be under the direct supervision of an instructor; the primary instructor will ensure all participants involved in training evolutions are qualified to do so; all instructors must have satisfactorily completed a "Live Fire House Operations-Instructor Development Course," as offered by either the San Bernardino County Sheriff's Department (or equivalent subject to the approval of the Sheriff's Rangemaster) or a certified "Active Shooter Instructor" course; the primary instructor will ensure all participants involved in training receive a safety briefing that includes basic firearms safety, and the safe operating procedures for the Tac-House; all loading and unloading of training weapons will be under the direct supervision of a firearms instructor; the primary instructor will ensure the following safety equipment is on-hand prior to live training evolutions, these include, first aid trauma kit, radio or other form of communication, that fire extinguishers are present and charged, and the Tac-House interior/exterior boundaries remains clear of obstruction(s) at all times; live firearms or live ammunition is not authorized inside the Tac-House, nor to be present during live training evolutions.

2. Under most circumstances, the student to authorized instructor ratio will not exceed 3 to 1; body armor, long sleeve clothing, pants, eye and hearing protection shall be worn by everyone who enters the Tac-House; prior to live training evolutions, all rooms will be checked to ensure no personnel are present other than role players; firearm instructors will ensure targets are placed so that, when engaged, rounds will impact the proper backstop and rounds will not exit the building; authorized/approved *"non-permanent marking simunition rounds"* shall only be used, if your simunition rounds are not on the approved list, a test must be conducted by the Range Staff to verify that simunition rounds are appropriate for the facility; instructors shall review all targets and angles of deflections before beginning live training evolutions; if during any training a safety whistle is blown or a command that is designated as a "Cease Fire" command is made, the shooter(s) shall freeze their movement, place trigger fingers outside of trigger guards, depress the weapons muzzles, engage the safety selector and repeat "Cease Fire" and wait for further commands from the instructor; students are required to follow the direction of the instructors and the safe operating procedures at all times, failure to do so is just cause for removal from training, all observers are required to follow the safety rules established for the Tac-House at all times, failure to comply with these safety rules is just cause for removal from the Tac-House and Training Center Campus; instructors shall ensure that no shots impact any containment wall closer than 18" from its upper edge or within 18" of any role player; instructors shall monitor students to ensure that firing positions are not taken that may endanger other students or may allow fired round(s) from escaping the containment area.

3. The red range flag must be hoisted prior to use; at the conclusion of the training session the Tac-House shall be checked for damage, potential fire concerns and then secured; all damage not consistent with normal wear must be repaired, replaced and reported.

4. With the exception of training evolution vehicles, the ingress/egress of the Tac-House shall be cordoned off during all live training evolutions, with entry being approved only by the primary safety

officer; no unauthorized persons shall be present in or around the Tac-House without checking in with the safety officer and having his or her consent to be present; any injuries must be immediately reported to the Range Office or Rangemaster; a pre and post operation inspection of the Tac-House facility will be made by the primary instructor to ensure the following: all weapons, munitions, body armor, and other equipment used during the training period are accounted for, that FCC's have been collected and that all other debris within the Tac-House has been removed, that no student(s) have sustained any injuries during training, that no damage has been caused by the training; account for all personnel who used the Tac-House.

5. All agencies seeking to use the Tac-House must have a current contract with the County of San Bernardino for such use, and insurance document, on file; curriculum of exercises that are to be conducted in the Tac-House must be submitted in advance to the Rangemaster for approval; specific safety policies and procedures of the San Bernardino County Sheriff's Department must be followed at all times; live or training firearms shall not be handled by persons with a blood alcohol content in excess of .00% by weight or under the influence of drugs or medication that would impair their motor skills, judgment, or balance; and no chemical agents or flammable/non-flammable incendiary devices may be used inside the Tac-House.

6. All simunition(s) used at the Tac-House must be approved by the San Bernardino County Sheriff's Department and meet Department standards

City Council/Financing Authority Meeting **I. 11.**

DATE: 09/20/2022

TO: Honorable Mayor and City Council Members

SUBJECT: Approve the agreement between the City and the Department of Alcoholic Beverage Control (ABC) concerning the distribution of an Alcohol Policing Partnership (APP) grant in the amount of $24,790; the additional appropriation of $24,790 in grant funds to the Police Department; and authorize the Chief of Police to sign and execute any agreements concerning the grant (Police Chief Catren)

MOTION(S):

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

I move to approve the agreement between the City and the Department of Alcoholic Beverage Control (ABC) concerning the distribution of an Alcohol Policing Partnership (APP) grant in the amount of $24,790; the additional appropriation of $24,790 in grant funds to the Police Department; and authorize the Chief of Police to sign and execute any agreements concerning the grant.

RECOMMENDATION:

Staff recommends Council approve the agreement between the City and the Department of Alcohol and Beverage Control (ABC) concerning the distribution of an Alcohol Policing Partnership (APP) grant in the amount of $27,490; appropriate the grant of $27,490.00 to the Police Department; and authorize the Chief of Police to sign and execute any agreements concerning the grant.

DISCUSSION:

The Department of Alcoholic Beverage Control's APP grant program offers grants that enable selected local law enforcement agencies to expand their efforts in addressing alcohol-related problems through a comprehensive ABC program that will encompass a wide range of strategies. The project period began July 1, 2022, and concludes June 30, 2023. During this period, the grant funds will be used to increase the hours officers have to enforce alcohol-related crimes, raise public awareness regarding underage drinking, conduct minor decoy operations, conduct shoulder tap operations, and conduct IMPACT inspections at “on-sale” and “off-sale” licensed locations.

ALTERNATIVES:

Do not accept the grant.

STRATEGIC PLAN:

N/A

SUBMITTED BY:

Christopher R. Catren, Chief of Police

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:

Rachel Tolber, Commander

Fiscal Impact

Fiscal Year:	2022/23
Appropriation Required Y/N:	Y
Amount:	24,790
Budgeted Y/N:	N
Account No.:	200202

Discussion:

This project is grant funded and will not impact the General Fund.

Attachments

Award letter
Grant exhibits
Additional Appropriation
Agreement

DEPARTMENT OF ALCOHOLIC BEVERAGE CONTROL
3927 Lennane Drive, Suite 100
Sacramento, CA 95834
(916) 419-2500

May 27, 2022

Chief Christopher R. Catren
Redlands Police Department
30 Cajon Street
Redlands, CA 92373

Dear Chief Christopher R. Catren:

Congratulations! Your agency has been selected by the Department of Alcoholic Beverage Control (ABC) to receive funding for your 2022/2023 Alcohol Policing Partnership (APP) grant proposal.

We will be hosting a two day training conference beginning at 8:30 am on July 12, 2022 and ending at approximately 5:00 pm on July 13, 2022. This conference offers valuable training in alcohol enforcement and serves as an excellent opportunity for the representatives from your agency to meet and share information with other law enforcement agencies from across the State.

This year the conference will be held at the UC Davis Conference Center located at 550 Alumni Lane, Davis, CA 95616. The conference will accommodate up to two attendees from each agency. It is recommended that your sworn Project Director and an officer/deputy assigned to the grant program attend. There is a $325.00 registration fee per person to attend the conference. This fee is reimbursable through the grant.

**An email will be sent out in June to notify your Project Director once the registration site is open.*

A grant agreement will be forthcoming in the next couple of weeks which requires a resolution, order, motion, ordinance or other similar document from your local governing body authorizing execution of the agreement. Due to the fact that these resolutions typically have to be put on your governing body's calendar, we ask that you do this as soon as possible.

If you have any questions, please call Kristine Okino, Grant Coordinator at (916) 419-2572 or email at Kristine.okino@abc.ca.gov.

Sincerely,

Eric Hirata
Director

Cc: Cpl. Michael Merriman, Project Director

EXHIBIT A
SCOPE OF WORK

I. SCOPE OF WORK

- Contractor agrees to implement the Department of Alcoholic Beverage Control (ABC), Alcohol Policing Partnership program. This program is intended to work with law enforcement agencies to develop an effective, comprehensive and strategic approach to eliminate the crime and public nuisance problems associated with problem alcoholic beverage outlets.

- Contractor agrees to implement ABC's Minor Decoy, Shoulder Tap Programs and conduct Informed Merchants Preventing Alcohol-Related Crime Tendencies (IMPACT) Inspections. These Programs target both ABC licensed premises and individuals who furnish alcoholic beverages to the underage operators. The project is targeted to reduce underage drinking and the resultant DUI driving injuries and fatalities, and/or property damages, reduce youth access to alcoholic beverages through the education of licensee(s), enforcement intervention and the impressions of omnipresence of law enforcement. In addition, Contractor agrees to the following goals:

    1. The operation period of the grant is July 1, 2022 through June 30, 2023.

    2. Contractor agrees to raise public awareness that selling, serving and/or furnishing alcoholic beverages to individuals under twenty-one years old is a criminal violation that will be prosecuted by local city and district attorneys.

    3. Minor Decoy operations are designed to educate and deter licensed locations from selling/furnishing alcohol to minors. Contractor agrees to conduct Minor Decoy Operations at both "On-Sale" and "Off-Sale" licensed establishments within the operation period of the grant.

    4. Shoulder Tap operations are used to detect and deter adult furnishers outside of a licensed business. Contractor agrees to conduct Shoulder Tap Operations at "Off-Sale" licensed locations to apprehend adults that are unaffiliated with the licensed businesses and who are purchasing alcohol for minors outside of the stores within the operation period of the grant.

    5. Informed Merchants Preventing Alcohol-Related Crime Tendencies (IMPACT) primary goal is to educate licensee's on alcohol related laws to help reduce alcohol-related crime in and around licensed premises. Contractor agrees to conduct visits and inspections of licensed premises identifying areas of non-compliance at "On-Sale" and "Off-Sale" licensed locations within the operation period of the grant.

II. GOALS AND OBJECTIVES

1. Conduct at least four (4) Minor Decoy operations.

2. Conduct at least four (4) Shoulder Tap operations.

3. Conduct at least four (4) IMPACT operations.

4. Conduct at least two (2) Trap Door operations.

5. Conduct at least two (2) Undercover operations to identify DUIs, narcotics activity, and overserving, mostly focusing on the downtown area.

6. Schedule at least two (2) joint ABC/RPD LEAD training classes at the RDP Annex.

7. School Resource officers will conduct four (4) alcohol education/awareness presentations to high school sports teams/student clubs.

8. Facilitate at least seven (7) TRACE trainings by an ABC TRACE Agent.

9. Produce at least three (3) educational videos directed towards alcohol laws, over consumption of alcohol, and/or ABC operations.

10. Provide at least eight (8) social media/press releases on grant enforcement activities.

    A. To announce the start of the program;
    B. At the conclusion of each Minor Decoy Operation has been held (to announce the number of licensed premises who sold to the minor decoy)
    C. At the conclusion of each Shoulder Tap Operation has been held (to announce the number of adults arrested for purchasing alcoholic beverages for the decoy).

11. Contractor will fax (916) 419-2599 or email each press release to the Department's Public Information Officer (pio@abc.ca.gov) as soon as it is released.

12. Contractor agrees in all press releases, in addition to any credits the agency wishes to give, will include the following statement: "This project is part of the Department of Alcoholic Beverage Control's Alcohol Policing Partnership."

Contractor agrees to complete and submit monthly reports, on a format designed and provided by the Department of Alcoholic Beverage Control due no later than 15th of the following month.

III. PROJECT REPRESENTATIVES

The project representatives during the term of this agreement will be:

Redlands Police Department
Michael Merriman, Police Corporal
30 Cajon Street
Redlands, CA 92373
(909) 798-7681
Mmerriman@redlandspolice.org

Department of Alcoholic Beverage Control
Brandon Shotwell, Supervising Agent in Charge
3927 Lennane Drive, Suite 100
Sacramento, CA 95834
(916) 419-2329
Brandon.shotwell@abc.ca.gov

Direct all fiscal inquiries to:

Redlands Police Department
Brenda Boon, Management Analyst
30 Cajon Street
Redlands, CA 92373
(909) 335-4751
bboon@redlandspolice.org

Department of Alcoholic Beverage Control
Kristine Okino, Grant Coordinator
3927 Lennane Drive, Suite 100
Sacramento, CA 95834
(916) 419-2572
Kristine.okino@abc.ca.gov

EXHIBIT B
BUDGET DETAIL AND PAYMENT PROVISIONS

I. INVOICING AND PAYMENT

- For services satisfactorily rendered and upon receipt and approval of the invoice, the Department of Alcoholic Beverage Control agrees to pay a monthly payment of approved reimbursable costs per the Budget Detail of personnel overtime and benefits (actual cost) and/or allowable costs.

- Invoices shall clearly reference this contract number (22-APP19) and must not exceed the contract total authorized amount of $24,790.00. Invoices are to be submitted by the 15th of every month, on the prescribed form designed by the Department of Alcoholic Beverage Control.

Submit to: Department of Alcoholic Beverage Control
Attn: Kristine Okino, Grant Coordinator
3927 Lennane Drive, Suite 100
Sacramento, California 95834

- Payment shall be made in arrears within 30 days from the receipt of an undisputed invoice. Nothing contained herein shall prohibit advance payments as authorized by Item 2100-101-3036, Budget Act, Statues of 2022.

- Contractor understands in order to be eligible for reimbursement; cost must be incurred on or after the effective date of the project, July 1, 2022 and on or before the project termination date, June 30, 2023.

- Revisions to the “Scope of Work” and the “Budget Detail” may be requested by a change request letter submitted by the Contractor. If approved, the revised Grant Scope of Work and/or Budget Detail supersedes and replaces the previous grant and will initiate an amendment. No revisions can exceed allotted amount as shown on the Budget Detail. The total amount of the grant must remain unchanged.

- Contractor agrees to refund to the State any amounts claimed for reimbursement and paid to Contractor which are later disallowed by the State after audit or inspection of records maintained by the Contractor.

- Only the costs displayed in the Budget Detail are authorized for reimbursement by the State to Contractor under this agreement. Any other costs incurred by Contractor in the performance of this agreement are the sole responsibility of Contractor.

- Title shall be reserved to the State for any State-furnished or State-financed property authorized by the State which is not fully consumed in the performance of this agreement. Contractor is responsible for the care, maintenance, repair, and protection of any such property. Inventory records shall be maintained by Contractor and submitted to the State upon request. All such property shall be returned to the State upon the expiration of this grant unless the State otherwise directs.

- Prior approval by the State in writing is required for the location, costs, dates, agenda, instructors, instructional materials, and attendees at any reimbursable training seminar, workshop or conference, and over any reimbursable publicity or educational materials to be made available for distribution. Contractor is required to acknowledge the support of the State whenever publicizing the work under this grant in any media.

II. BUDGET DETAIL

COST CATEGORY	TOTAL COST
A. Personnel Services	
Overtime	
Corporal (88 hours @ $100/hour)	$8,800.00
Officer (148 hours @ $85/hour)	$12,580.00
Benefits (estimated @ 1.45%)	$310.00
TOTAL Personnel	**$21,690.00**
B. Operating Expenses (receipts required)	
Buy Funds	$600.00
TOTAL Operating	**$600.00**
C. Equipment (receipts required, must be purchased by 12/31)	
n/a	$0.00
TOTAL Equipment	**$0.00**
D. Travel Costs	
Registration, lodging and other travel costs	$2,500.00
TOTAL Travel	**$2,500.00**
GRANT TOTAL	**$24,790.00**

III. BUDGET CONTINGENCY CLAUSE

- It is mutually agreed that if the Budget Act of the current year and/or any subsequent years covered under this Agreement does not appropriate sufficient funds for the program, this Agreement shall be of no further force and effect. In this event, the State shall have no liability to pay any funds whatsoever to Contractor or to furnish any other considerations under this Agreement and Contractor shall not be obligated to perform any provisions of this Agreement.

- If funding for any fiscal year is reduced or deleted by the Budget Act for purposes of this program, the State shall have the option to either cancel this Agreement with no liability occurring to the State, or offer an agreement amendment to Contractor to reflect the reduced amount.

IV. PROMPT PAYMENT CLAUSE

- Payment will be made in accordance with, and within the time specified in, Government Code Chapter 4.5, commencing with Section 927.

EXHIBIT C
GENERAL TERMS AND CONDITIONS

1. APPROVAL: This Agreement is of no force or effect until signed by both parties and approved by the Department of General Services, if required. Contractor may not commence performance until such approval has been obtained.

2. AMENDMENT: No amendment or variation of the terms of this Agreement shall be valid unless made in writing, signed by the parties and approved as required. No oral understanding or Agreement not incorporated in the Agreement is binding on any of the parties.

3. ASSIGNMENT: This Agreement is not assignable by the Contractor, either in whole or in part, without the consent of the State in the form of a formal written amendment.

4. AUDIT: Contractor agrees that the awarding department, the Department of General Services, the Bureau of State Audits, or their designated representative shall have the right to review and to copy any records and supporting documentation pertaining to the performance of this Agreement. Contractor agrees to maintain such records for possible audit for a minimum of three (3) years after final payment, unless a longer period of records retention is stipulated. Contractor agrees to allow the auditor(s) access to such records during normal business hours and to allow interviews of any employees who might reasonably have information related to such records. Further, Contractor agrees to include a similar right of the State to audit records and interview staff in any subcontract related to performance of this Agreement. (Gov. Code §8546.7, Pub. Contract Code §10115 et seq., CCR Title 2, Section 1896).

5. INDEMNIFICATION: Contractor agrees to indemnify, defend and save harmless the State, its officers, agents and employees from any and all claims and losses accruing or resulting to any and all contractors, subcontractors, suppliers, laborers, and any other person, firm or corporation furnishing or supplying work services, materials, or supplies in connection with the performance of this Agreement, and from any and all claims and losses accruing or resulting to any person, firm or corporation who may be injured or damaged by Contractor in the performance of this Agreement.

6. DISPUTES: Contractor shall continue with the responsibilities under this Agreement during any dispute.

7. TERMINATION FOR CAUSE: The State may terminate this Agreement and be relieved of any payments should the Contractor fail to perform the requirements of this Agreement at the time and in the manner herein provided. In the event of such termination the State may proceed with the work in any manner deemed proper by the State. All costs to the State shall be deducted from any sum due the Contractor under this Agreement and the balance, if any, shall be paid to the Contractor upon demand.

8. INDEPENDENT CONTRACTOR: Contractor, and the agents and employees of Contractor, in the performance of this Agreement, shall act in an independent capacity and not as officers or employees or agents of the State.

9. RECYCLING CERTIFICATION: The Contractor shall certify in writing under penalty of perjury, the minimum, if not exact, percentage of post-consumer material as defined in the Public Contract Code Section 12200, in products, materials, goods, or supplies offered or sold to the State regardless of whether the product meets the requirements of Public Contract Code Section 12209. With respect to printer or duplication cartridges that comply with the requirements of Section 12156(e), the certification required by this subdivision shall specify that the cartridges so comply (Pub. Contract Code §12205).

10. NON-DISCRIMINATION CLAUSE: During the performance of this Agreement, Contractor and its subcontractors shall not deny the contract's benefits to any person on the basis of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, age, sexual orientation, or military and veteran status, nor shall they discriminate unlawfully against any employee or applicant for employment because of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, age, sexual orientation, or military and veteran status. Contractor shall insure that the evaluation and treatment of employees and applicants for employment are free of such discrimination. Contractor and subcontractors shall comply with the provisions of the Fair Employment and Housing Act (Gov. Code §12900 et seq.), the regulations promulgated thereunder (Cal. Code Regs., tit. 2, §11000 et seq.), the provisions of Article 9.5, Chapter 1, Part 1, Division 3, Title 2 of the Government Code (Gov. Code §§11135-11139.5), and the regulations or standards adopted by the awarding state agency to implement such article. Contractor shall permit access by representatives of the Department of Fair Employment and Housing and the awarding state agency upon reasonable notice at any time during the normal business hours, but in no case less than 24 hours' notice, to such of its books, records, accounts, and all other sources of information and its facilities as said Department or Agency shall require to ascertain compliance with this clause. Contractor and its subcontractors shall give written notice of their obligations under this clause to labor organizations with which they have a collective bargaining or other agreement. (See Cal. Code Regs., tit. 2,§11105.)

    Contractor shall include the nondiscrimination and compliance provisions of this clause in all subcontracts to perform work under the Agreement.

11. CERTIFICATION CLAUSES: The CONTRACTOR CERTIFICATION CLAUSES contained in the document CCC 04/2017 are hereby incorporated by reference and made a part of this Agreement by this reference as if attached hereto.

12. TIMELINESS: Time is of the essence in this Agreement.

13. COMPENSATION: The consideration to be paid Contractor, as provided herein, shall be in compensation for all of Contractor's expenses incurred in the performance hereof, including travel, per diem, and taxes, unless otherwise expressly so provided.

14. GOVERNING LAW: This contract is governed by and shall be interpreted in accordance with the laws of the State of California.

15. ANTITRUST CLAIMS: The Contractor by signing this agreement hereby certifies that if these services or goods are obtained by means of a competitive bid, the Contractor shall comply with the requirements of the Government Codes Sections set out below.

a. The Government Code Chapter on Antitrust claims contains the following definitions:

1) "Public purchase" means a purchase by means of competitive bids of goods, services, or materials by the State or any of its political subdivisions or public agencies on whose behalf the Attorney General may bring an action pursuant to subdivision (c) of Section 16750 of the Business and Professions Code.

2) "Public purchasing body" means the State or the subdivision or agency making a public purchase. Government Code Section 4550.

b. In submitting a bid to a public purchasing body, the bidder offers and agrees that if the bid is accepted, it will assign to the purchasing body 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. 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 purchases of goods, materials, or services by the bidder for sale to the purchasing body pursuant to the bid. Such assignment shall be made and become effective at the time the purchasing body tenders final payment to the bidder. Government Code Section 4552.

c. If an awarding body or public purchasing body receives, either through judgment or settlement, a monetary recovery for a cause of action assigned under this chapter, the assignor shall be entitled to receive reimbursement for actual legal costs incurred and may, upon demand, recover from the public body any portion of the recovery, including treble damages, attributable to overcharges that were paid by the assignor but were not paid by the public body as part of the bid price, less the expenses incurred in obtaining that portion of the recovery. Government Code Section 4553.

d. Upon demand in writing by the assignor, the assignee shall, within one year from such demand, reassign the cause of action assigned under this part if the assignor has been or may have been injured by the violation of law for which the cause of action arose and (a) the assignee has not been injured thereby, or (b) the assignee declines to file a court action for the cause of action. See Government Code Section 4554.

16. CHILD SUPPORT COMPLIANCE ACT: For any Agreement in excess of $100,000, the contractor acknowledges in accordance with Public Contract Code 7110, that:

a. The contractor recognizes the importance of child and family support obligations and shall fully comply with all applicable state and federal laws relating to child and family support enforcement, including, but not limited to, disclosure of information and compliance with earnings assignment orders, as provided in Chapter 8 (commencing with section 5200) of Part 5 of Division 9 of the Family Code; and

b. The contractor, to the best of its knowledge is fully complying with the earnings assignment orders of all employees and is providing the names of all new employees to the New Hire Registry maintained by the California Employment Development Department.

17. UNENFORCEABLE PROVISION: In the event that any provision of this Agreement is unenforceable or held to be unenforceable, then the parties agree that all other provisions of this Agreement have force and effect and shall not be affected thereby.

18. PRIORITY HIRING CONSIDERATIONS: If this Contract includes services in excess of $200,000, the Contractor shall give priority consideration in filling vacancies in positions funded by the Contract to qualified recipients of aid under Welfare and Institutions Code Section 11200 in accordance with Pub. Contract Code §10353.

19. SMALL BUSINESS PARTICIPATION AND DVBE PARTICIPATION REPORTING REQUIREMENTS:

    a. If for this Contract Contractor made a commitment to achieve small business participation, then Contractor must within 60 days of receiving final payment under this Contract (or within such other time period as may be specified elsewhere in this Contract) report to the awarding department the actual percentage of small business participation that was achieved. (Govt. Code § 14841.)

    b. If for this Contract Contractor made a commitment to achieve disabled veteran business enterprise (DVBE) participation, then Contractor must within 60 days of receiving final payment under this Contract (or within such other time period as may be specified elsewhere in this Contract) certify in a report to the awarding department: (1) the total amount the prime Contractor received under the Contract; (2) the name and address of the DVBE(s) that participated in the performance of the Contract; (3) the amount each DVBE received from the prime Contractor; (4) that all payments under the Contract have been made to the DVBE; and (5) the actual percentage of DVBE participation that was achieved. A person or entity that knowingly provides false information shall be subject to a civil penalty for each violation. (Mil. & Vets. Code § 999.5(d); Govt. Code § 14841.)

20. LOSS LEADER: If this contract involves the furnishing of equipment, materials, or supplies then the following statement is incorporated: It is unlawful for any person engaged in business within this state to sell or use any article or product as a “loss leader” as defined in Section 17030 of the Business and Professions Code. (PCC 10344(e).)

EXHIBIT D
SPECIAL TERMS AND CONDITIONS

1. Disputes: Any disputes concerning a question of fact arising under this contract which is not disposed of by agreement shall be decided by the Director, Department of Alcoholic Beverage Control, or designee, who shall reduce his decision in writing and mail or otherwise furnish a copy thereof to the Contractor. The decision of the Department shall be final and conclusive unless, within 30 days from the date of receipt of such copy, the Contractor mails or otherwise furnishes to the State a written appeal addressed to the Director of the Department of Alcoholic Beverage Control. The decision of the Director of Alcoholic Beverage Control or his duly authorized representative for the determination of such appeals shall be final and conclusive unless determined by a court of competent jurisdiction to have been fraudulent, capricious, arbitrary, or so grossly erroneous as necessarily to imply bad faith, or not supported by substantial evidence. In connection with any appeal proceeding under this clause, the contractor shall be afforded an opportunity to be heard and to offer evidence in support of its appeal. Pending final decision of a dispute hereunder, Contractor shall proceed diligently with the performance of the contract and in accordance with the decision of the State.

2. Cancellation/Termination: This agreement may be cancelled or terminated without cause by either party by giving thirty (30) calendar days advance written notice to the other party. Such notification shall state the effective date of termination or cancellation and include any final performance and/or payment/invoicing instructions/requirements. No penalty shall accrue to either party because of contract termination.

3. Contract Validity: This contract is valid and enforceable only if adequate funds are appropriated in Item 2100-101-3036, Budget Act of 2022, for the purposes of this program.

4. Contractor Certifications: By signing this agreement, Contractor certifies compliance with the provisions of CCC 04/2017, Standard Contractor Certification Clauses. This document may be viewed at: https://www.dgs.ca.gov/OLS/Resources/Page-Content/Office-of-Legal-Services-Resources-List-Folder/Standard-Contract-Language

5. If the State determines that the grant project is not achieving its goals and objectives on schedule, funding may be reduced by the State to reflect this lower level of project activity and/or cancel the agreement.

STATE OF CALIFORNIA
Department of Alcoholic Beverage Control
Alcohol Policing Partnership Program

PROPOSAL COVER SHEET
(TO BE COMPLETED BY APPLICANT AGENCY)

1. Name of Applicant Agency: Redlands Police Department

2. Description of Applicant Agency: *Provide your city or county jurisdiction, and include population data, relevant demographic, and socio-economic characteristics of the community.*

The City of Redlands is located in eastern San Bernardino County, on the east border of the City of San Bernardino. The City of Redlands has a large commercial area on the west end of the city composed of large warehouses and shopping centers. Downtown Redlands is in the center of the city and has a vibrant nightlife on weekends. The south, north, and east areas of the city are mostly residential. The far south end of the city is composed of open land. Redlands has a population of 72,172 mostly consisting of white and Hispanic origin. The median household income is $74,993.

3. Number of licenses in Project Area: 205	**4. Tax ID:** 95-000766
5. Funds Requested: $24,790	**6. Project Period:** July 1, 2022 – June 30, 2023

7. Acceptance of Conditions: *By submitting this proposal, the applicant signifies acceptance of the responsibility to comply with all requirements stated in the Request for Proposals. The applicant understands that ABC is not obligated to fund the project until the applicant submits correctly completed documents required for the contract.*

A. Project Director *Person Having Day-To-Day Responsibility for the Project*	**B. Chief of Police or Sheriff** *Authorizing Official*
Name: Michael Merriman	Name: Christopher R. Catren
Address: 30 Cajon St. Redlands, CA 92373	Address: 30 Cajon St. Redlands, CA 92373
Phone: (909) 798-7681	Phone: (909) 335-4744
Email Address: mmerriman@redlandspolice.org	Email Address: ccatren@redlandspolice.org
Title: Police Corporal	Title: Chief of Police
Signature: M. Jm	Signature: Christopher R. Catren
C. Fiscal or Accounting Official	**D. ABC USE ONLY**
Name: Brenda Boon	
Address: 30 Cajon St. Redlands, CA 92373	
Phone: (909) 335-4751	
Email Address: bboon@redlandspolice.org	
Title: Mangement Analyst	
Signature: Brenda Boon	

SCOPE OF WORK

Summary

The City of Redlands is located in eastern San Bernardino County and is bordered by the cities of San Bernardino, Loma Linda, Highland and Yucaipa. The City of Redlands has a current population of approximately 72,172 with a total land area of 37 square miles. The City of Redlands is governed by a Council-Manager form of government. The City also has a revolving population with the University of Redlands' 4,500 students.

The Redlands Police Department is a full service municipal law enforcement agency that employs 77 sworn personnel including the Chief of Police, 2 Deputy Chiefs, 2 Commanders, 12 Sergeants, 21 Corporal/Detectives, and 39 Police Officers. We currently have 12 unfilled police officer positions within the department. We also employ 35 full time civilian employees.

The Redlands Police Department is requesting $24,790 to fund officers on an overtime basis to proactively identify, educate the public, and combat alcohol-related offenses.

The City of Redlands currently has 205 businesses with a liquor license, 59 off-sale and 146 on-sale.

Project Personnel

Corporal Michael Merriman will be responsible for organizing all grant operations, meeting all grant reporting requirements, and meeting all the grant goals and objectives. Cpl. Merriman will utilize other officers, reserve officers, police explorers, and civilian volunteers in operations. Cpl. Merriman is assigned as a Patrol Corporal in the Operations Division of the Redlands Police Department. The Operations Division will be responsible for the enforcement of the grant during the grant period.

Cpl. Merriman has been with the Redlands Police Department for 22 years, half of that in an investigation assignment. He has written and been awarded numerous APP (GAP) grants from the California Department of Alcoholic Beverage Control as well as grants from the California Office of Traffic Safety (mini-grants). Cpl. Merriman has always exceeded grant expectations when overseeing grant operations.

Officer E. Herrera is assigned to the community policing team and part of his collateral duties is to produce educational video for posting on the City of Redlands and Redlands Police Department social media accounts. Officer E. Herrera will assist Cpl. Merriman in producing and distributing videos directed at educating the public on alcohol laws and enforcement.

The Redlands Police Department has 77 full-time sworn police officers with 12 unfilled officer positions.

SCOPE OF WORK

Problem Statement

In recent years, several new restaurant/bar businesses have opened within the City that cater to young adults. These businesses are centrally located in the downtown area and patrons walk from bar to bar throughout the night. These businesses, along with a number of others that have been in the City for many years, are responsible for the bulk of the service calls at licensed locations. Underage drinking and calls for service at these businesses continue to be an ongoing problem. The police department's efforts to control these issues have been severely restricted due to cutbacks in available personnel and funding. With the growing popularity of Redlands as a drinking district, more violent crimes have occurred as well as DUI traffic collisions. The majority of these incidents involve people who frequent the downtown bars. Watch commanders have to redirect patrol officers to downtown on busy nights, taking away community resources.

Over the past year, Cpl. Merriman and other Redlands police officers have assisted ABC agents from the Riverside office in four enforcement/UC operations in downtown Redlands and one other establishment on the west end of the city. ABC agents identified underage patrons, over serving, and drug dealing at several of these establishments. Cpl. Merriman has continued to assist ABC agents on these investigations and will continue in the future.

Outside of downtown, the University of Redlands has a revolving student population of approximately 4,500 students, most of which are under 21 years of age. These students frequent the downtown bars and utilize fictitious identifications to gain entry into bars and clubs.

Project Description *section 1 of 3*

The purpose of the grant would be to fund officers, on an overtime basis, or as collateral duties, to identify alcohol-related problems and proactively prevent, intervene, and suppress those problems associated with alcoholic beverage licensed establishments. To this end, the Police Department will continue to forge and support partnerships with community groups, public and private organizations, allied agencies, and others to promote alcohol-related education and compliance.

Recently, Cpl. Merriman contacted a filing district attorney, Beth Houser, at the San Bernardino County District Attorney' s Office to ensure RPD cases get filed and obtain feedback on issues that could be improve on in our investigations. The DA informed Cpl. Merriman that RPD does excellent investigation into ABC crimes.

Two Redlands police officers are assigned as school resource officers (SROs) for two high schools within the City of Redlands. As part of those officers' duties, they develop relationships with students to gather information reference underage drinking parties and businesses where students are purchasing alcohol. They will also educate students on the dangers of underage drinking and drug use. They will work closely with campus safety officers to complete these tasks. The total student population at the two high schools is approximately 4,000 students.

SCOPE OF WORK

Project Description *section 2 of 3*

Cpl. Merriman, Officer E. Herrera, and the assigned ABC APP agent will work with the Redlands Police Department social media team to produce educational videos on alcohol enforcement and education that will be posted on City of Redlands and Redlands Police Department social media accounts. The goal of the videos will be to educate the public on alcohol laws, dangers of overconsumption, and enforcement operations by the Redlands Police Department and Department of Alcoholic Beverage Control.

The Redlands Police Department will continue to include the Minor Decoy Program, Decoy Shoulder Tap Operations, IMPACT Programs, Trap Door operations, and joint undercover operations with ABC agents into its plan to combat alcohol problems. Within the grant period, Cpl. Merriman will conduct ABC briefing training to all patrol teams and special teams within the Police Department. Through these enforcement operations, RPD believes it can reduce the availability of alcohol to minors.

The Redlands Police Department has had a long standing, positive relationship with ABC. Since 2010, the Redlands Police Department has been awarded five full grants and three mini grants. During each of those grant periods, Cpl. Merriman has overseen the grants and has well exceeded the grant goals and objectives. The Redlands Police Department will continue to collaborate with ABC on criminal and administrative investigations. The Redlands Police Department feels that with one officer assigned as the ABC liaison/investigator and more education of patrol officers, the department can more effectively investigate and combat alcohol-related crimes.

The ABC liaison officer (Cpl. Merriman) is assigned to the Operations Division but, as a collateral detail, he will be responsible for assuring all the following goals are met:

1. Identify and target problematic ABC licensed establishments;

2. All licensee violations will be thoroughly investigated and sent to the local District Attorney's Office for prosecution;

3. All grant-funded activity will be carefully documented, and all reporting requirements will be strictly adhered;

4. Conduct a minimum of four Minor Decoy operations targeting alcohol sales to minors;

5. Conduct a minimum of four Shoulder Tap operations targeting adults who facilitate underage alcohol consumption;

6. Schedule two joint ABC/RPD LEAD training classes at the RPD Annex (as restrictions allow);

7. School resource officers will conduct alcohol education/awareness presentations to most sports teams/student clubs during the funding period at each of the high schools in the City of Redlands.

8. Collaborate with the Police Department's Crime Analysis Unit (CAU) to track all violations and calls for service activity at ABC licensed locations;

SCOPE OF WORK

Project Description *section 3 of 3*

9. All enforcement operations will be released to the local and regional press outlets through the City of Redlands Public Information Officer in the ABC press release format. The PIO will also utilize the city's social media to release information from operations;

10. Conduct four IMPACT inspection operations at ABC on-sale and off-sale licensed premises;

11. Conduct two Trap Door operations targeting minors who attempt to enter a bar/nightclub;

12. Facilitate TRACE training by an ABC TRACE Agent for all patrol teams and investigative units;

13. Conduct two undercover operations to identify DUIs, narcotics activity, and overserving, mostly focusing on the downtown area. Use undercover/surveillance tactics to target the businesses that don't sell to our decoys but the department receives complaints about sales to minors;

14. Produce at least three educational videos directed towards alcohol laws, over consumption of alcohol, and/or ABC operations to be released on Redlands Police Department and City of Redlands social media accounts.

ALCOHOL POLICING PARTNERSHIP GRANT
PROPOSAL BUDGET DETAIL

A. Personnel Services

Salaries

	Classification/Positions	Computation	Total Cost
1			
2			
3			
		SUBTOTAL	$ 0.00

Overtime

	Classification/Positions	Computation	Total Cost
1	Police Corporal	88 hours at $100 per hour	$ 8,800.00
2	Police Officer	148 hours at $85 per hour	$ 12,580.00
3			
4			
5			
6			
		SUBTOTAL	$ 21,380.00

Benefits

	Classification/Positions	Computation	Total Cost
1	Police Corporal	0.0145% of $8,800	$ 127.60
2	Police Officer	0.0145% of $12,580	$ 182.41
3			
4			
5			
		SUBTOTAL	$ 310.01

B. Operating Expenses and Equipment

Operating Expenses *

	Description	Computation	Total Cost
1	"Buy money" for shoulder tap and decoy ops	$40 per operation	$ 320.00
2	"Buy money" for undercover/ABC joint ops	$280 total for ops	$ 280.00
		SUBTOTAL	$ 600.00

* maximum of $2,500.00

Equipment *

	Description	Computation	Total Cost
1			$ 0.00
2			
3			
		SUBTOTAL	$ 0.00

* maximum of $2,500.00

C. Travel Expenses *

	Description	Computation	Total Cost
1	2022 APP training conference registration fee	2 attendees at $325 each	$ 650.00
2	Travel and lodging expenses		$ 1,850.00
3			
4			
		SUBTOTAL	$ 2,500.00

* APP Conference only. All travel cannot exceed current state rates

GRAND TOTAL $ 24,790.01

OTHER FUNDING SOURCES

Complete the following to report the total funds available to support the activities related to accomplishing the goals and objectives of the contract. In the "Grant Funds" column, report the ABC funds requested by category. In the "Other Funds" column, report all other funds available to support the project by category (if none, leave blank). Then calculate the totals by category in the "Program Total" column. Total each column down to arrive at the total program funds available.

Note: Round all budget amounts to the nearest dollar—no cents.

Budget Category	Grant Funds	Other Funds	Program Total
A. Personnel Services	21,690.00	5,000.00	26,690.00
B. Operating Expense	600.00		600.00
C. Travel/Registration Fees	2,500.00		2,500.00
D. Equipment	0.00		0.00
TOTALS	$ 24,790.00	$ 5,000.00	$ 29,790.00

*This form does not become part of the contract but is **required** in the Request for Proposal package.*

REDLANDS POLICE DEPARTMENT PERSONNEL STATISTICS

Rev. 03/02/2022

SWORN PERSONNEL STATISTICS

	GRANT FUND		GENERAL FUND		TOTALS		
POSITIONS	AUTHORIZED	ACTUAL	AUTHORIZED	ACTUAL	AUTHORIZED	ACTUAL	VACANCY
CHIEF	0	0	1	1	1	1	0
DEPUTY POLICE CHIEF	0	0	2	2	2	2	0
COMMANDER	0	0	2	2	2	2	0
SERGEANT	0	0	12	12	12	12	0
DETECTIVE/CORPORAL	0	0	20	20	20	20	0
POLICE OFFICER	0	0	52	40	52	40	12
TOTALS	**0**	**0**	**89**	**77**	**89**	**77**	**12**

SUMMARY TOTAL SWORN & CIVILIAN*

GRAND TOTALS – AUTHORIZED	**134**
GRAND TOTALS – ACTUAL	**112**
NUMBER OF VACANCIES (AUTHORIZED MINUS ACTUAL)	**22**
VACANCY RATE (VACANCY DIVIDED BY AUTHORIZED)	**16.42%**

*Summary totals do not include part-time personnel

REDLANDS POLICE DEPARTMENT PERSONNEL STATISTICS

Rev. 03/02/2022

CIVILIAN PERSONNEL STATISTICS (FULL TIME)

	GRANT FUND		GENERAL FUND		TOTALS		
JOB DESCRIPTION	AUTHORIZED	ACTUAL	AUTHORIZED	ACTUAL	AUTHORIZED	ACTUAL	VACANCY
ANIMAL CONTROL SUPERVISOR	0	0	1	1	1	1	0
ANIMAL CONTROL OFFICER	0	0	3	2	3	2	1
COMMUNITY SERVICE OFFICER I/II	0	0	8	4	8	4	4
CRIME ANALYST	0	0	1	1	1	1	0
DISPATCHER SUPERVISOR	0	0	3	3	3	3	0
DIGITAL FORENSIC EXAMINER	0	0	1	0	1	0	1
DISPATCHER I/II/III	0	0	13	10	13	10	3
EXECUTIVE POLICE ASSISTANT	0	0	1	1	1	1	0
FORENSIC SPECIALIST	0	0	2	2	2	2	0
KENNEL ATTENDANT	0	0	2	1	2	1	1
MANAGEMENT ANALYST	0	0	1	1	1	1	0
POLICE CUSTOMER SERVICE SUPERVISOR	0	0	1	1	1	1	0
POLICE CUSTOMER SERVICE REPRESENTATIVE I/II	0	0	5	5	5	5	0
POLICE OPERATIONS COORDINATOR	0	0	1	1	1	1	0
POLICE OPERATIONS MANAGER	0	0	1	1	1	1	0
PROPERTY AND EVIDENCE TECHNICIAN	0	0	1	1	1	1	0
TOTAL	**0**	**0**	**45**	**35**	**45**	**35**	**10**

CIVILIAN PERSONNEL STATISTICS (PART TIME)

	GRANT FUND		GENERAL FUND		TOTALS		
JOB DESCRIPTION	AUTHORIZED	ACTUAL	AUTHORIZED	ACTUAL	AUTHORIZED	ACTUAL	VACANCY
ADMINISTRATIVE ASSISTANT	0	0	1	1	1	1	0
BACKGROUND INVESTIGATOR (3000 HRS/YEAR)	0	0	4	2	4	2	2
CAMERA OPERATORS	6	0	0	0	6	0	6
COMMUNITY SERVICE OFFICER	0	0	1	0	1	0	1
**KENNEL ATTENDANT - TEMP	0	0	1	1	1	0	1
TOTAL	**6**	**0**	**6**	**3**	**12**	**2**	**10**

CITY OF REDLANDS
REQUEST FOR ADDITIONAL APPROPRIATION

DATE OF REQUEST: 08/09/2022

FINANCE USE ONLY
TRANSACTION NO:
ACCOUNTING PERIOD:

An additional appropriation is hereby requested as follows:

Department: Police

EXPENDITURE APPROPRIATION INCREASE (if applicable)

Account Description	Orgkey	Object Code	Job Ledger (If applicable)	Amount
O.T. Reimbursable	200202	5102	S202029	21,380.00
FICA/Medicare	200202	5501	S202029	310.00
Travel Exp/Reimburement	200202	6402	S202029	2,500.00
Special Departmental Supplies	200202	7810	S202029	600.00
				$ 24,790.00 -

REVENUE APPROPRIATION INCREASE (if applicable)

Account Description	Orgkey	Object Code	Job Ledger (If applicable)	Amount
State Grants	200202	4401	S202029	24,790.00
				$ 24,790.00 -

JUSTIFICATION: ABC 2022-23

Requested By: _____
Department Head

Recommended By Finance Director:

Yes _____ No _____ Signed _____

Comments: _____

Recommended: _____
City Manager

Approved by City Council:

Date: _____

Signed: _____
City Clerk

SCO ID: 2100-22APP19

STATE OF CALIFORNIA - DEPARTMENT OF GENERAL SERVICES
STANDARD AGREEMENT
STD 213 (Rev. 04/2020)

AGREEMENT NUMBER	PURCHASING AUTHORITY NUMBER (If Applicable)
22-APP19	ABC-2100

1. This Agreement is entered into between the Contracting Agency and the Contractor named below:

CONTRACTING AGENCY NAME
Department of Alcoholic Beverage Control

CONTRACTOR NAME
City of Redlands through the Redlands Police Department

2. The term of this Agreement is:

START DATE
July 1, 2022

THROUGH END DATE
June 30, 2023

3. The maximum amount of this Agreement is:
$24,790.00 Twenty four thousand seven hundred ninety dollars and no cents

4. The parties agree to comply with the terms and conditions of the following exhibits, which are by this reference made a part of the Agreement.

	Exhibits	Title	Pages
	Exhibit A	Scope of Work	2
	Exhibit B	Budget Detail and Payment Provisions	3
	Exhibit C *	General Terms and Conditions	4
+ -	Exhibit D	Special Terms and Conditions	1
+ -	Attachment RFP	RFP Scope of Work	7

Items shown with an asterisk (*), are hereby incorporated by reference and made part of this agreement as if attached hereto.
These documents can be viewed at https://www.dgs.ca.gov/OLS/Resources

IN WITNESS WHEREOF, THIS AGREEMENT HAS BEEN EXECUTED BY THE PARTIES HERETO.

CONTRACTOR

CONTRACTOR NAME (if other than an individual, state whether a corporation, partnership, etc.)
City of Redlands through the Redlands Police Department

CONTRACTOR BUSINESS ADDRESS	CITY	STATE	ZIP
30 Cajon Street	Redlands	CA	92373

PRINTED NAME OF PERSON SIGNING	TITLE
Christopher R. Catren	Chief of Police
CONTRACTOR AUTHORIZED SIGNATURE	DATE SIGNED

STATE OF CALIFORNIA - DEPARTMENT OF GENERAL SERVICES
STANDARD AGREEMENT
STD 213 (Rev. 04/2020)

AGREEMENT NUMBER	PURCHASING AUTHORITY NUMBER (If Applicable)
22-APP19	ABC-2100

STATE OF CALIFORNIA

CONTRACTING AGENCY NAME			
Department of Alcoholic Beverage Control			
CONTRACTING AGENCY ADDRESS	CITY	STATE	ZIP
3927 Lennane Drive, Suite 100	Sacramento	CA	95834
PRINTED NAME OF PERSON SIGNING	TITLE		
Pattye Baker	Chief, Business Management Branch		
CONTRACTING AGENCY AUTHORIZED SIGNATURE	DATE SIGNED		
CALIFORNIA DEPARTMENT OF GENERAL SERVICES APPROVAL	EXEMPTION (If Applicable)		

City Council/Financing Authority Meeting **I. 12.**

DATE: 09/20/2022

TO: Honorable Mayor and City Council Members

SUBJECT: Approve the sole source purchase of a Leica Geosystems Laser Scanner and Software for the amount of $36,664.46 (Police Chief Catren)

MOTION(S):

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

I move to authorize the sole source purchase of a Leica Geosystems Laser Scanner and Software in the amount of $36,664.46.

RECOMMENDATION:

Staff recommends the sole source purchase of a Leica Geosystems Laser Scanner and Software in the amount of $36,664.46.

DISCUSSION:

The Redlands Police Department frequently investigates complex crime scenes which require detailed and accurate scene documentation. This documentation is frequently used in both criminal and civil court proceedings. Juries rely on this type of documentation to understand what occurred and what the evidence dictates. Over the years, expectations of police and the ability to evaluate evidence and document it has increased - the "CSI effect". The department last purchased laser scanner equipment approximately 14 years ago. Since that time, technology has continued to advance and the department has implemented drones to assist in various capacities, including the documentation of crime scenes.

Staff began researching possible replacement systems and identified the Leica Geosystems Laser Scanner and software. This is a 3D laser scanning system

that integrates data obtained on the ground (via the scanner) and aerial data (via drone), preserving the scene exactly the way it was discovered. Over the last couple of years, department members have been faced with crime scenes where a portion of the crime scene is blocked from view from the sky (under a freeway underpass or under a large tree). This new technology will allow staff to document these types of scenes with various methods, and then link them together to best depict the scene as it was found. This new scanner can also document via laser scanning the interior of buildings, which will help document crime scenes with 3D imaging. The department currently does not have a device that can produce 3D imaging, nor scan the interior of a building. 3D imaging with this Leica scanner will allow for precise measuring of crime scenes.

Precision Survey Supply (PSS) is an authorized Leica Geosystems Public Safety distributor. PSS is the only distributor that offers the training, equipment, technical support and configuration specifically for the department's needs. Additionally, PSS is the only company that sells and configures the software to ensure that it integrates drone photogrammetry with a ground 3D laser scanner.

Obtaining the Leica Geosystems Laser Scanner and software from PSS is the only way to obtain this technology, combined with training and 24-hour support. Obtaining this technology and capability will greatly enhance the department’s ability to document crime scenes, an extremely important component in successful prosecutions and civil proceedings. Due to the unique offerings from PSS, a sole source purchase for the equipment, software and support in the amount of $36,664.46 is requested. This price reflects a $6,381 discount provided by PSS.

ALTERNATIVES:

Do not approve the purchase of a Leica Geosystems Laser Scanner and Software in the amount of $36,664.46.

STRATEGIC PLAN:

N/A

SUBMITTED BY:
Christopher R. Catren, Chief of Police

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

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

Dana Abramovitz, Purchasing Manager

PREPARED BY:
Rachel Tolber, Commander

Fiscal Impact

Fiscal Year:	FY 2022/23
Revenue Generating:	N
Appropriation Required Y/N:	N
Amount:	$36,664.46
Budgeted Y/N:	Y

Discussion:

This resource was included in the fiscal year 2022-23 section of the 12-month estimate in the City Manager's FY2022-24 Proposed Budget.

Attachments

Specs and Price
Sole Source
Sole Source Form

Precision Survey Supply, LLC
8628 Utica Avenue #800
Rancho Cucamonga, CA 91730 US
909-931-4040
sam@precisionsurveysupply.com
www.precisionsurveysupply.com

Estimate

ADDRESS
Eduardo Hererra Redlands Police Dept 30 Cajon Ave Redlands, CA 92373

SHIP TO
Eduardo Hererra Redlands Police Dept 30 Cajon Ave Redlands, CA 92373

ESTIMATE #	DATE	
32119	08/09/2022	

SALES REP
SE

ACTIVITY	QTY	RATE	AMOUNT
6017752 BLK360 G2 Starter Package To Include: BLK360 G2 Laser Scanner (951110) x1 GST29 BLK360 Tripod (853638) x1 GAD52 BLK360 Tripod Adapter (853639) x1 GVP735 BLK Mission Bag (879639) x1 Cyclone Subscription Base, 1 Year (5308150) x1 Cyclone Register 360 BLK Edition Option, 1 Year (5310212) x1 BLK360 G2 CCP Basic, 1 Year (6017499) x1	1	23,867.00	23,867.00T
Square Line Discount Loyalty Discount Per Sam Discount for BLK360 G2 Starter Pack	1	-867.00	-867.00
5310455 Cyclone PUBLISHER Option Add-on for Cyclone 1yr Subscription.	1	1,750.00	1,750.00T
Square Line Discount Loyalty Discount Per Sam Discount for Cyclone Publisher 1 yr Subscription Option	1	-100.00	-100.00
5308175 MAP360 Pro Edition 1 yr. Subscription	1	3,350.00	3,350.00T
Square Line Discount Loyalty Discount Per Sam Discount for MAP360 Pro Edition 1 yr. Subscription	1	-250.00	-250.00
5310747 Infinity Subscription (1 yr)	1	49.00	49.00T
Square Line Discount	1	-49.00	-49.00

ACTIVITY	QTY	RATE	AMOUNT
Loyalty Discount Per Sam Discount for Infinity Subscription (1 yr)			
5310687 Infinity Survey Base License	1	835.00	835.00T
Square Line Discount Loyalty Discount Per Sam Discount for Infinity Survey Base License	1	-35.00	-35.00
5310690 Infinity Point Clouds from Images Option	1	1,080.00	1,080.00T
Square Line Discount Loyalty Discount Per Sam Discount for Infinity Point Clouds from Images Option	1	-80.00	-80.00
PSS32215 On-Site Forensic Training Accepted By: Signature: 4 days total at customer site. Forensic training manuals provided to attendees. Maximum class size of 8. Equipment, computers and facilities provided by customer. Travel and expenses of the trainer included.	1	9,408.00	9,408.00
Square Line Discount Loyalty Discount Per Sam Discount for On-Site Forensic Training	1	-5,000.00	-5,000.00
Total Discounts Applied $6,381.00			

Does not include applicable taxes or shipping charges. Thank you!

SUBTOTAL	33,958.00
TAX (0.0875)	2,706.46
TOTAL	**$36,664.46**

Accepted By

Accepted Date

Monday, August 9, 2022

Re: Sole Source Letter for Leica Public Safety Group

Redlands Police Department
30 Cajon Ave.
Redlands, CA

Please accept this statement confirming Precision Survey Supply is an authorized Leica Geosystems Public Safety distributor for the state of Arizona. PSS is the only distributor that offers ACTAR training as well as certified MAP360 training Leica laser scanner systems is the only 3D laser scanning systems available which works, day or night, long range, and eye safe. Defeats “The CSI effect”. Preserving the scene exactly the way it was discovered. Enables prosecutors to place the jury into the scene.

Leica Geosystems operates a Segment base distribution model for the US. Our network of distributors is based on the company’s background and expertise. Leica represents and warrants that the Distributor, under this Agreement will be performed in a professional manner with reasonable skill, care and diligence, all in accordance with prudent Forensic practices. PSS has historically offered additional unique aspects in relation to Leica equipment:

• PSS provides 24-hour, lifetime operational support for all products they sell
• PSS provides a unique training program that encompasses not only equipment use, but also aspects of crime and crash scene reconstruction.

Please contact PSS for information regarding these sole source aspects of their company’s offerings.

Dietrich Evans
Public Safety Group Regional Manager – West
Leica Geosystems, Inc.
Direct: 925 719 0667 | Fax: 925 790 2455

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: 8/11/22

TO: Purchasing Division

FROM: Rachel Tolber

Purchase Requisition # _____

Estimated Total Cost: $ 36,664.46

Proposed Vendor: Precision Survey Supply

Request Term: _____

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:

Precision Survey Supply (PSS) is the only distributor that provides the training for the scanner and software that allows integration of aerial photography and 3D laser scanning (see attached letter). Additionally, they provide 24 hour support.

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*:**

We currently have this type of software that can conduct these searches in a lab setting. Howev

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.

Ofc. Herrera Det. Truong Commander Tolber

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

The department would not have the capability to do 3D laser scanning, nor the ability to integrate aerial photography with 3D laser scanning for crime scene documentation.

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

Rachel Tolber Digitally signed by Rachel Tolber Date: 2022.08.11 10:14:44 -07'00' 8/11/2022

Prepared by Date

Christopher R. Catren Digitally signed by Christopher R. Catren Date: 2022.08.17 14:59:46 -07'00' 8/17/2022

Department Director Date

Purchasing Approvals

_____

Purchasing Agent Approval Date

_____

City Manager Approval Date

City Council/Financing Authority Meeting **I. 13.**

DATE: 09/20/2022

TO: Honorable Mayor and City Council Members

SUBJECT: Approve the request to close East San Bernardino Avenue for the Revel Big Bear Marathon event hosted by the Brooksee Foundation on November 11th and November 12th, 2022; authorize the request for the sale and consumption of alcoholic beverages on East San Bernardino Avenue at Dearborn Street during the Revel Big Bear Marathon to be held on November 12, 2022, and determine that the approval of the request is exempt from environmental review pursuant to Section 15061(b)(3) 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 the request for the sale and consumption of alcoholic beverages on East San Bernardino Avenue at Dearborn Street during the Revel Big Bear Marathon is exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act;

2. I move to authorize the closure of East San Bernardino Avenue on the event dates; and

3. I move to approve the request for the sale and consumption of alcoholic beverages on East San Bernardino Avenue at Dearborn Street during the Revel Big Bear Marathon to be held on November 12, 2022.

RECOMMENDATION:

Staff recommends that City Council approve the temporary street closure of East San Bernardino Avenue on November 11th and 12th, 2022 for the Revel Big Bear Marathon event. Staff further recommends that the City Council provide staff direction regarding the request for the sale and consumption of alcoholic beverages and determine that approval of the request for the sale and consumption of alcoholic beverages on East San Bernardino Avenue at Dearborn Street during Revel Big Bear Marathon is exempt from environmental review pursuant to Section 15061(b)(3) of the state's guidelines implementing the California Environmental Quality Act (CEQA).

DISCUSSION:

The Brooksee Foundation, in partnership with Revel Races, will be hosting the Big Bear Marathon/Half-Marathon on November 12, 2022. The marathon and half-marathon begin in Angelus Oaks and end in Redlands along East San Bernardino Avenue adjacent to the Redlands Sports Park. The Brooksee Foundation is requesting permission to serve one beer to each race participant as a courtesy and give the option to purchase additional beer by the participants only. Serving and selling alcohol at the event is scheduled to end no later than 11:00 a.m. and the event road closure being lifted no later than 5:00 p.m. The Redlands Municipal Code includes provisions that allow for the reservation of public areas by private parties. Staff's approval authority for the consumption of alcoholic beverages is limited to only enclosed public areas in public parks as defined by Resolution No. 7559 adopted September 1, 2015. Therefore, City Council approval is required for the request for the sale and consumption of alcohol.

The applicant shall comply with requirements set by the Police Department, including payment for police staffing the event. The applicant may be required to provide the City with certificates of public liability insurance to protect against loss from liability for damages on account of bodily injury and property damage arising from the applicant's activity. Such insurance shall include not less than one million dollars ($1,000,000) per occurrence and two million dollars ($2,000,000) in the aggregate of comprehensive general liability insurance, including bodily injury and property damage coverage, together with such other additional coverage as the City's Risk Manager may determine to be prudent. Insurance coverage shall be obtained before the event and maintained for the duration of the applicant's activity.

The proposed project is exempt from the requirements of the California Environmental Quality Act's guidelines pursuant to Section 15061(b)(3). Section 15061(b)(3), referred to as the "common sense rule," applies to those activities where it is seen with certainty that there is no possibility that the activity in

question may have a significant effect on the environment. Approval of the project authorizes the consumption of alcoholic beverages within the City's right-of-way and will not result in any physical change to the environment.

ALTERNATIVES:

The City Council may deny the request.

STRATEGIC PLAN:

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

SUBMITTED BY:
Chris Boatman, Assistant City Manager

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

REVIEWED BY:
Janice McConnell, Assistant City Manager
Christopher R. Catren, Police Chief

PREPARED BY:
Larry Alms, Administrative Assistant II

Fiscal Impact

Fiscal Year: FY 2022-23

Discussion:

There is no fiscal impact related to the approval of the request to serve alcohol. All applicable reservation, street closure, and permit fees have been paid by the applicant.

Attachments

A. Authorization to Serve Alcohol

CITY OF REDLANDS
APPLICATION REQUESTING AUTHORIZATION TO SERVE ALCOHOL

TYPE OF EVENT Marathon & Half

PROPOSED LOCATION E. San Bernadino Ave

APPLICANT'S INFORMATION

ORGANIZATION'S NAME: Brookside Foundation

CONTACT PERSON: Alec Fowler PHONE: 801-369-1475

ADDRESS 254 South 700 West, Pleasant Grove UT 84062

EVENT INFORMATION

DATE OF EVENT 11/12/2022 HOURS 7:00AM to 11:00AM

NAME OF EVENT Rever Big Bear Marathon & Half

ARE FEES BEING CHARGED FOR EVENT? ☒ YES ☐ NO PRICE 89.99 - 139.99

ARE FEES BEING CHARGED FOR ALCOHOL? ☒ YES ☐ NO PRICE $5.00

TYPE OF ALCOHOL BEING SERVED? Beer Wine Distilled Spirits

RELEASE, HOLD HARMLESS AND AGREEMENT NOT TO SUE

I, the undersigned, representing the Brookside Foundation and in consideration of being permitted to conduct the Event, agree that the members/participants of The Rever Big Bear Marathon & Half 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 Rever Big Bear Marathon & Half 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 Rever Big Bear Marathon & Half AND THAT I HAVE SIGNED THIS AGREEMENT ON

Date 09/04/2022 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)

PAGE 1 OF 2

City Council/Financing Authority Meeting **J. 1.**

DATE: 09/20/2022

TO: Honorable Mayor and City Council Members

SUBJECT: Video Series: Working for You: Making Redlands a Better Place (Public Information Officer Baker)

DISCUSSION:

For this evening's City Council meeting, staff will present a new video from the video series “Working for You: Making Redlands a Better Place.” The series highlights one employee each month, from various departments and divisions, specifically describing how that employee’s job fits into the larger mission of the City to improve residents’ lives and make Redlands a better place to live. The videos are available for viewing on the City’s website and social media platforms in addition to being shown in rotation on Redlands TV.

SUBMITTED BY:

Janice McConnell, Assistant City Manager

REVIEWED BY:

Charles M. Duggan, Jr., City Manager
Carl Baker, Public Information Officer

City Council/Financing Authority Meeting **J. 2.**

DATE: 09/20/2022

TO: Honorable Mayor and City Council Members

SUBJECT: Conference Report- 2022 League of California Cities Annual Conference and Expo (Council Member Davis)

DISCUSSION:

For this evening's City Council Meeting, Council Member Davis will provide a report relating to her attendance at the 2022 League of California Cities Annual Conference and Expo held September 7-9, in Long Beach, California.

City Council/Financing Authority Meeting **K. 1.**

DATE: 09/20/2022

TO: Honorable Mayor and City Council Members

SUBJECT: Consideration to reprogram $343,776 in Community Development Block Grant (CDBG) funding from the Sylvan Park Restroom Project to the Joslyn Senior Center Rehabilitation Project (Development Services Director Desatnik)

MOTION(S):

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

1. I move to authorize the reprogramming of $343,776 from the Sylvan Park Restroom Project to the Joslyn Senior Center Rehabilitation Project;

2. I further move to authorize staff to make any minor adjustments to reprogram any remaining funds from other CDBG activities to the Joslyn Senior Center Rehabilitation Project.

RECOMMENDATION:

Staff recommends that Council approve the reprogramming of the CDBG in the amount of $343,776 from the Sylvan Park Restroom Project to the Joslyn Senior Center Rehabilitation Project. The Sylvan Park Restoom Project has been absorbed into a larger Citywide park improvement project. Therefore, it is recommended that the funds be reprogrammed to the Joslyn Senior Center Rehabilitation Project. The use of CDBG funds must also be expended in a timely manner and the Joslyn Senior Center Rehabilitation Project will tentatively begin at the end of September 2022 upon approval of a construction contract. Reprogramming these funds to an active project will ensure we meet timeliness deadlines with the County as well.

DISCUSSION:

In February 2021, the Development Services Department (Department) submitted the FY2021-22 CDBG Program Year grant funding request which included the Sylvan Park Restroom Project. Since then, the Facilities and Community Services Department has been working on a restroom design plan that would be applicable not only to this project, but become a standard plan across all parks within the city slated for restroom upgrades. The design plan moved outside of timeliness and the scope of a CDBG identified project.

CDBG funding is allocated to a program year and must be spent in a timely manner. Currently, the funds need to be expended no later than February 23, 2023. By reprogramming the funds to the Joslyn Senior Center Rehabilitation Project, it ensures we will expend CDBG funds on an active CDBG project.

ALTERNATIVES:

City Council may elect not to approve these actions. However, electing not to approve these actions may result in a loss or reduction of CDBG funding and impact the existing CDBG project.

STRATEGIC PLAN:

Not applicable.

SUBMITTED BY:

Brian Desatnik, Development Services Director

RECOMMENDED BY:

Charles M. Duggan Jr., City Manager

REVIEWED BY:

Janice McConnell, Assistant City Manager
Danielle Garcia, Management Services/Finance Director
Chris Boatman, Assistant City Manager

PREPARED BY:

Tricia Munoz, Management Analyst/Development Services

Fiscal Impact

Fiscal Year:	2023
Revenue Generating:	N
Appropriation Required Y/N:	N
Amount:	$343776
Budgeted Y/N:	Y
Account No.:	200164

Discussion:

Funding from the Sylvan Park Restroom Project (F164029) will be reallocated to the Joslyn Senior Center Rehabilitation Project (F164010) with no impact on the General Fund.

Attachments

Request for Budget Transfer

CITY OF REDLANDS
REQUEST FOR BUDGET TRANSFER

DATE REQUESTED: September 20, 2022 **POSTING DATE:** _____

REQUESTING DEPARTMENT: Development Services **TRANSACTION NO:** _____
(FINANCE TO COMPLETE)

ACCOUNT DESCRIPTION	ORGKEY	OBJECT	JOB LEDGER	INCREASE	DECREASE
Full Time Salaries	200164	5001	F164029		12290.00
Pension Contributions	200164	5401	F164029		3246.00
FICA/Medicare	200164	5501	F164029		939.00
Health/Dental Insurance	200164	5701	F164029		2043.00
Workers' Comp Insurance	200164	5702	F164029		49.00
Disability Insurance	200164	5703	F164029		78.00
Unemployment Insurance	200164	5704	F164029		121.00
Life Insurance	200164	5705	F164029		10.00
Architect & Engineer	200164	6101	F164029		30000.00
License & Permits	200164	6005	F164029		2000.00
Building & Const/Improvement	200164	8503	F164029		293000.00
License & Permits	200164	6005	F164010	2000.00	
Building & Const/Improvement	200164	8503	F164010	341776	
				$343,776.00	$343,776.00

JUSTIFICATION: Transfer funds from F164029 Sylvan Park to F164010 Joslyn Senior Center per approval of City Council on September 20, 2022.

INITIATING DEPARTMENT	RECOMMENDED ☐ NOT RECOMMENDED ☐	APPROVED ☐ NOT APPROVED ☐
Department Head	Finance Director	City Manager
Date 8-23-22	Date	Date

Finance Director/City Manager Comments:

City Council/Financing Authority Meeting **N. 3.**

DATE: 09/20/2022

TO: Honorable Mayor and City Council Members

SUBJECT: Approve the regular meeting minutes of May 17, 2022 (Secretary Donaldson)

MOTION:

I move to approve the regular meeting minutes of May 17, 2022.

Attachments

Regular meeting minutes of May 17, 2022

MINUTES

Regular meetings of the City Council and the Redlands Financing Authority of the City of Redlands held in the Council Chambers, Civic Center, 35 Cajon Street, on May 17, 2022 at 5:00 P.M.

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

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

Mayor Barich called the meeting to order. He announced this was conducted as a teleconference meeting in the City Council Chambers, Civic Center, 35 Cajon Street, Redlands, California. Mayor Pro Tem Tejeda was present via teleconferencing and all votes during the meeting were conducted by roll call. The Mayor 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 McHugh)

One Case:

a. Lydia Rodriguez v. City of Redlands, San Bernardino Superior Court Case No. CIVDS1935452

RECONVENE CITY COUNCIL MEETING

The meeting reconvened at 6:00 P.M. with an invocation by Mayor Barich followed by the pledge of allegiance to the American flag.

CLOSED SESSION REPORT

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

PRESENTATIONS

Proclamation Commending Daniel J. McHugh

Mayor Barich and the Council Members presented a Proclamation commending Daniel J. McHugh for his twenty-eight years of service as the principle legal advisor to the City. Each Council Member offered their praise and gratitude for his integrity, patience, dedication and thoughtful insight. He will be greatly missed.

PUBLIC COMMENT

Public comments were presented in-person, via Zoom, via cell phone or landline.

Redlands Mall Project - Andy Hoder voiced his concerns with the recent approval of the Mall Project and the developer's plans to construct 4-story buildings on the site. He thought the project was in conflict with the wishes of the voters who overwhelmingly defeated Measure G in 2020 and the almost 8,000 people who signed an initiative petition scheduled to be on the ballot in November of this year. He said these voters have sent a strong message to the Council indicating they oppose high rises, want to restrict development downtown and limit buildings to three stories.

CONSENT CALENDAR

Minutes

On motion of Council Member Denise Davis, seconded by Council Member Mick Gallagher, the City Council unanimously approved, by roll call vote, the minutes of the regular meeting of May 3, 2022.

Vote: 5 - 0 Passed

Proclamation Commending Daniel J. McHugh

On motion of Council Member Denise Davis, seconded by Council Member Mick Gallagher, the City Council unanimously approved, by roll call vote, the issuance of a proclamation commending Daniel J. McHugh for his years of service to the City and Community of Redlands.

Vote: 5 - 0 Passed

Proclamation Celebrating Redlands Youth Council

Council Member Davis highlighted the Proclamation celebrating the Redlands Youth Council, a program designed to provide local high school students with learning and development opportunities related to local government and civic engagement. She was proud to announce thirty students had actively participated in the program since its inception in September 2021 and will be "graduating" next week during a special meeting.

On motion of Council Member Mick Gallagher, seconded by Council Member Jenna Guzman-Lowery, the City Council unanimously approved, by roll call vote, the issuance of a proclamation celebrating Redlands Youth Council.

Vote: 5 - 0 Passed

Resolution No. 8349 Remote Teleconference Meetings

On motion of Council Member Denise Davis, seconded by Council Member Mick Gallagher, the City Council unanimously approved, by roll call vote, Resolution No. 8349 authorizing remote teleconference meetings by the City Council and all Boards, Commissions, and Committees of the City in accordance with Assembly Bill 361 (2021) for a period of 30 days.

Vote: 5 - 0 Passed

Reject Bids CDBG Joslyn Center Renovation Project

On motion of Council Member Denise Davis, seconded by Council Member Mick Gallagher, the City Council unanimously approved, by roll call vote, to reject the bids for the 21/22 Community Development Block Grant (CDBG) Joslyn Center Renovation Project due to the bids exceeded the funding and additional appropriation.

Vote: 5 - 0 Passed

Emergency Resolution No. 8065 Report

On motion of Council Member Denise Davis, seconded by Council Member Mick Gallagher, the City Council unanimously approved, by roll call vote, to accept the Report regarding Emergency Resolution No. 8065 proclaiming the existence of a local emergency in response to COVID-19.

Vote: 5 - 0 Passed

Medical Director Services Independent Contractor Agreement

On motion of Council Member Denise Davis, seconded by Council Member Mick Gallagher, the City Council unanimously approved, by roll call vote, a Second Amendment to the Independent Contractor Agreement between the City of Redlands and Dr. Phong Nguyen increasing the annual fee to $18,000 for the provision of medical director services.

Vote: 5 - 0 Passed

Resolution No. 8328 Traffic Regulations

On motion of Council Member Denise Davis, seconded by Council Member Mick Gallagher, the City Council unanimously determined, by roll call vote, that approval of the resolution is exempt from environmental review pursuant to Section 15301(c) of the State's guidelines implementing the California Environmental Quality Act; and approved Resolution No. 8328 establishing a 270 foot 'No-Parking Zone' on Lugonia Avenue at the northwest corner of the Lugonia Avenue and Texas Street intersection.

Vote: 5 - 0 Passed

Fiscal Year 21/22 P.O. Modification Water Meters

On motion of Council Member Denise Davis, seconded by Council Member Mick Gallagher, the City Council unanimously approved, by roll call vote, a Fiscal Year 21/22 purchase order modification of $150,000 with Ferguson US Holdings, Inc. to purchase Neptune Water Meters and related supplies.

Vote: 5 - 0 Passed

Engineering Services Live Oak Canyon Creek and Oakmont Park Project

On motion of Council Member Denise Davis, seconded by Council Member Mick Gallagher, the City Council unanimously approved, by roll call vote, a Second Amendment to the Professional Services Agreement with Huitt-Zollars, Inc. to Provide Final Engineering Services for the Live Oak Canyon Creek and Oakmont Park Project.

Vote: 5 - 0 Passed

Resolution No. 8333 Citywide Wastewater Master Plan

On motion of Council Member Denise Davis, seconded by Council Member Mick Gallagher, the City Council unanimously determined, by roll call vote, that approval of the resolution is exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act; and approved Resolution No. 8333 adopting the Citywide Wastewater Master Plan.

Vote: 5 - 0 Passed

Forklift Trucks Purchase

On motion of Council Member Denise Davis, seconded by Council Member Mick Gallagher, the City Council unanimously approved, by roll call vote, the purchase of two Mitsubishi Caterpillar Forklift Trucks from Naumann Hobbs in the amount of $68,482.72.

Vote: 5 - 0 Passed

4-Post Vehicle Lift Purchase

On motion of Council Member Denise Davis, seconded by Council Member Mick Gallagher, the City Council unanimously approved, by roll call vote, the purchase of one 4-Post Vehicle Lift from Stertil-Koni in the amount of $83,911.69.

Vote: 5 - 0 Passed

Receive and File Annual Report CPC

On motion of Council Member Denise Davis, seconded by Council Member Mick Gallagher, the City Council unanimously approved, by roll call vote, to receive and file the Annual Report of the Citrus Preservation Commission as submitted by Chairman Michael Day.

Vote: 5 - 0 Passed

In-Kind Request Summer Music Festival

As public comment, Dennis Bell thanked City Attorney McHugh for his service and wished him the best on his retirement. He questioned why the Summer Music Festival at the Redlands Bowl needed publicly funded security, and he said that in the past the Citizen Volunteer Patrol worked the events. He's found the Bowl attracts too many dogs and too many people who are smoking, and he suggested there be more enforcement against such activities. He raised doubts about the attendance numbers listed in the report and thought they were inflated in order to gain a public benefit.

On motion of Council Member Denise Davis, seconded by Council Member Mick Gallagher, the City Council unanimously determined, by roll call vote, that the event is categorically exempt from environmental review pursuant to Section 15301 of the state's guidelines implementing the California Environmental Quality Act; and approved the request for in-kind support in the amount of $19,824 related to the 2022 Summer Music Festival event hosted by the Redlands Bowl Performing Arts.

Vote: 5 - 0 Passed

P.O. Modification Tennis Classes

On motion of Council Member Denise Davis, seconded by Council Member Mick Gallagher, the City Council unanimously approved, by roll call vote, a Fiscal Year 2021-22 purchase order modification in the amount of $12,000 with Gabriel Jacobs for Tennis classes at Ford Park for the remainder of the fiscal year.

Vote: 5 - 0 Passed

Resolution No. 8329 Backhoe Loader Master Lease/Purchase

On motion of Council Member Denise Davis, seconded by Council Member Mick Gallagher, the City Council unanimously approved, by roll call vote, Resolution No. 8329 for a Master Lease and Purchase Agreement with Caterpillar Financial Services, Inc., for the lease and purchase of a 2021 Caterpillar Model 420-07 Backhoe Loader in the amount of $160,105.60**.**

Vote: 5 - 0 Passed

PMP 2021 Street Resurfacing Project Contract Amendment

On motion of Council Member Denise Davis, seconded by Council Member Mick Gallagher, the City Council unanimously approved, by roll call vote, a First Amendment to the Public Works Contract with Matich Corporation for the PMP 2021 Street Resurfacing Project to increase Contractor's compensation in the amount of $176,291.47 for the Community and Senior Center access parking lot and ADA improvements.

Vote: 5 - 0 Passed

Resolution No. 8319 Setting Priorities Written Arguments

This item was removed from the agenda and was not considered.

Resolution No. 8318 Candidate Statement Regulations

On motion of Council Member Denise Davis, seconded by Council Member Mick Gallagher, the City Council unanimously approved, by roll call vote, Resolution No. 8318, adopting regulations for candidates for elective office pertaining to candidate statements submitted to the voters at the General Municipal Election scheduled for November 8, 2022.

Vote: 5 - 0 Passed

University of Redlands Agreement RESA

On motion of Council Member Denise Davis, seconded by Council Member Mick Gallagher, the City Council unanimously determined, by roll call vote, that approval of the agreement 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 agreement between the City of Redlands and the University of Redlands for event services for the Redlands Emergency Services Academy, to be held Wednesday, July 13 through Wednesday, July 20, 2022.

Vote: 5 - 0 Passed

COMMUNICATIONS

Video Series: Making Redlands a Better Place

Public Information Officer Baker presented a new video from the video series “Working for You: Making Redlands a Better Place.” This month's video highlighted Kyle Wagner, Construction Manager. Filming and production work was provided by Cheryl Williams, Multimedia Production Coordinator.

Accelerate Neighborhood Climate Action

Mayor Pro Tem Tejeda announced this was the fourth of a series of presentations by Accelerate Neighborhood Climate Action (ANCA), and he introduced Richard Corneille, for a presentation on ways to prepare for increasing heat. The impacts of climate change caused by global warming include, more frequent droughts, more intense and destructive wildfires, more severe weather and increased human health risks and deaths and heat is the deadliest of climate change weather impacts. Ways to address the increasing heat were: Increasing tree canopies, identifying cooling centers, encouraging cool roofs and paving and preparing city-wide heatwave action plans. He added ANCA can help promote heat reduction and mitigation actions by educating neighborhoods on ways to survive the heat, encouraging heat resiliency plans and assisting underserved neighborhoods. Mitigation actions include, planting and maintaining trees for shade, educating neighbors to be safe during heat waves, promoting energy efficient upgrades such as solar panels, insulation, double pane window and reflective roofs, and developing plans for checking on and caring for vulnerable neighbors. Council Members Davis and Guzman-Lowery appreciated the fact that practical and concrete action items were provided.

Municipal Utilities/Public Works Commission Annual Report

Chairperson Adekunle Ojo presented the Annual Report of the Municipal Utilities/Public Works Commission. He defined the Commission's role and explained the members were a great resource for City Council, staff and the public. The Commission was represented by engineers, public works professionals, utilities and environmental specialists, and some Commissioners have served as MUED Directors in the past. The following projects included a partial list of work begun in 2021: Pavement Management Program, WWTP Improvement Project – Phase 1B, Water Systems & Wastewater System Master Plan Updates, Groundwater Well & Booster Pump Rehabilitation Project, Waterline Replacement Project, Wastewater Replacement & Slip-Lining Projects, Water Infrastructure Condition, Seismic, Structural Assessment, Water System SCADA Expansion Project and Citywide Water Meter Replacement Project. He reviewed the Commission's goals for 2022 to include: Complete WWTP Improvement Project – Phase 1B, Transition to WWTP Improvement Project – Phase 2, Implement Utility Planning Document Project Recommendations, Continue Groundwater Well & Booster Pump Rehabilitation Project, Pavement Management Project – 30 Miles, Waterline Replacement Project – 4.2 Miles, Wastewater Replacement & Slip-Lining Projects – 4.5 Miles, Complete Water System SCADA Expansion Project, Continue Citywide Water Meter Replacement Project. Mayor Pro Tem Tejeda was pleased Chair Ojo mentioned the varied diversity and experience, as seen on this Commission, and he thanked them for their service.

Library Board Annual Report

Library Director Don McCue introduced Board Member William Hardy who provided an update of the Library's accomplishments and activities over the past year. The FY 21-22 was a year of recovery and with the improved economic situation and Measure T passage, all the General Fund cuts have been fully restored to the budget and the library has resumed to 56 hours a week of in person services. The popular Books to Go program continues to run at full force and despite COVID-19, slowly but surely, the statistics show the patrons are becoming more comfortable returning. From July 1 through April 30, 152,917 visits were recorded at the library, the Lincoln Shrine and the Contemporary Club and 158,474 books, DVDs and magazines were circulated.

Activities included, resolving challenging infrastructure issues, submitting an application to the California State Library for a potential reimagining of the lower level space to better serve teens and literacy learners; the advantages of the Contemporary Club facility offering staff, city departments and the public another option for event scheduling; celebration of the Watchorn Lincoln Memorial Shrine 90th anniversary in February and thanks to Boyd Nies, a long desired reproduction 1857 Napoleon 12 pound Civil War cannon arrived in August and was christened by a welcoming program featuring live firing by reenactment artillerymen. Collaborative efforts accelerated with the Redlands Historical Museum Association as the old Redlands Daily Facts building transforms into the Museum of Redlands; celebration of third consecutive year of Dia de los Muertos in November; special collections division archivists Nathan Gonzales and Maria Carrillo Colato spoke at the Common Vision Coalition’s community event in March celebrating Cesar Chavez and Dolores Huerta, building on their community history initiative. The Adult Literacy Program continued to rebuild from the effects of the pandemic; a video version of the Smiley Heritage Tours was made available to all the schools; in-person outdoor Family Day was staged in October 2021; the traditional springtime Library Days event, held last weekend, resumed after a two-year hiatus with more than 600 guests in attendance. Finally, he encouraged everyone to mark their calendars for the evening of Saturday, October 15 when the quadrennial library gala will take place.

NEW BUSINESS

ARPA Resident Grocery Gift Card Program Agreement

Assistant City Manager McConnell presented an agreement with Redlands Ranch Market in an amount not to exceed $2,024,400 to provide a maximum of 1,687 monthly grocery gift cards for the ARPA Resident Grocery Gift Card Program. On March 15, 2022, Council approved the Resident Grocery Gift Card Program funded by the State and Local Fiscal Recovery Funds (SLFRF) through the American Rescue Plan Act (ARPA). The program will provide grocery assistance to a maximum of 1,687 eligible households in the form of a monthly $100 grocery gift card for a period of 12 months. Mayor Barich and Council Member Davis pointed out this was a great way to directly help people. Applications are currently being taken.

On motion of Council Member Jenna Guzman-Lowery, seconded by Council Member Denise Davis, the City Council unanimously approved, by roll call vote, an agreement with Redlands Ranch Market in an amount not to exceed $2,024,400 to provide a maximum of 1,687 monthly grocery gift cards for the ARPA Resident Grocery Gift Card Program.

Vote: 5 - 0 Passed

University of Redlands Alternate Ballot Measure

This item was removed from the agenda and was not considered.

Resolution No. 8317 Calling and Giving Notice of Municipal Election

This item was removed from the agenda and was not considered.

LNG Supply and Delivery Agreement

Assistant City Manager Boatman summarized an agreement with Applied LNG Technologies, LLC for supply and delivery of renewable liquefied natural gas in an amount not-to-exceed $637,098.00 for the initial term of one year, with the option to extend by two additional one-year terms. The fuels are used by the City's fleet of natural gas vehicles in addition to being sold to external customers and provide a revenue source.

On motion of Council Member Mick Gallagher, seconded by Council Member Jenna Guzman-Lowery, the City Council unanimously approved, by roll call vote, an agreement with Applied LNG Technologies, LLC for supply and delivery of renewable liquefied natural gas in an amount not-to-exceed $637,098.00 for the initial term of one year, with the option to extend by two additional one-year terms for a total amount not-to-exceed $1,911,294.

Vote: 5 - 0 Passed

Contract Award 2021 Citywide Sidewalk and ADA Ramp Replacement

Municipal Utilities and Engineering Director Harris detailed a contract for the 2021 Citywide Sidewalk and ADA Ramp Replacement Phase II Project and staff's recommendation to award the contract to Universal Construction and Engineering.

On motion of Council Member Jenna Guzman-Lowery, seconded by Council Member Mick Gallagher, the City Council unanimously approved, by roll call vote, that approval of the contract and construction of the 2021 Citywide Sidewalk and ADA Ramp Replacement Phase II is exempt from environmental review in accordance with Section 15301 (c) of the State's guidelines implementing the California Environmental Quality Act; approved the 2021 Citywide Sidewalk and ADA Ramp Replacement Phase II Project plans and specifications; awarded a Construction Contract to Universal Construction and Engineering in an amount not-to-exceed $981,152.05; and approved an additional appropriation of $849,538 from the General Fund Sidewalk Replacement Reserve for this project.

Vote: 5 - 0 Passed

University and Brockton Avenue Traffic Signal Improvements Contract

Municipal Utilities and Engineering Director Harris introduced a Construction Contract with Elecnor Belco Electric, Inc. for the University Street and Brockton Avenue Traffic Signal Improvements Project in an amount not-to-exceed $507,745. As public comment, Dennis Bell said the Colton Avenue and University Street intersection should be addressed before the one being considered tonight. Director Harris explained that originally the City intended to improve the intersection located at Colton and University, but a new residential development, currently processing through the City, may be conditioned to install a signal at that location.

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 the contract and construction of a new traffic signal at University Street and Brockton Avenue is exempt from environmental review in accordance with Section 15301 (c) of the State's Guidelines implementing the California Environmental Quality Act; approved the University Street and Brockton Avenue Traffic Signal Project plans and specifications: and awarded a Construction Contract to Elecnor Belco Electric, Inc. in an amount not-to-exceed $507,745.

Vote: 5 - 0 Passed

Resolution No. 8335 Reducing FY 22/23 Wastewater Rates and Charges

Municipal Utilities and Engineering Director Harris provided background of Resolution No. 8335, to reduce Fiscal Year 22/23 Wastewater Rates and Charges and explained that on March 15, 2022, City Council directed staff to initiate expenditures of $11,508,106 of American Rescue Plan Act (ARPA) State and Local Fiscal Recovery Funds (SLFRF) for various programs. This direction included applying $1,000,000 of ARPA SLFRF to Phase 2 of the proposed Wastewater Treatment Plant Improvement Project, which reduces the cost incurred by the City to provide wastewater service to its customers. Therefore, a fifteen percent (15%) wastewater rate increase scheduled for implementation beginning July 1, 2022, is no longer necessary, and may be reduced to eight percent (8%) without impacting the City's ability to fund wastewater services for its customers. Mayor Pro Tem Tejeda thanked the City Manager and staff for their efforts towards making these funds available.

On motion of Council Member Jenna Guzman-Lowery, seconded by Council Member Denise Davis, the City Council unanimously approved, by roll call vote, Resolution No. 8335 reducing Fiscal Year 22/23 Wastewater Rates and Charges.

Vote: 5 - 0 Passed

COUNCIL MEMBER ANNOUNCEMENTS AND ACTIVITIES

Community Day of Service Mayor Barich, Mayor Pro Tem Tejeda and Council Member Davis expressed appreciation for all the volunteers, including Service Club members and those from the Church of Latter Day Saints, who showed up to work at five separate project locations during the Community Day of Service on May 7, 2022. The day was a great success.

Council Member Gallagher commended Sylvia Lemus, Animal Control Supervisor, for stepping in to assist him with an injured baby hawk found near the Cemetery. She displayed great skill, patience and kindness in caring for the recovery and safe return of the bird.

ADJOURNMENT

There being no further action required the meeting adjourned at 7:26 P.M. The next regular meeting of the City of Redlands City Council will be held on June 7, 2022.

REDLANDS FINANCING AUTHORITY

Chairman Barich called the meeting to order and offered anyone present the opportunity to address the Board on any subject, not already on the agenda, within the jurisdiction of the Redlands Financing Authority.

PUBLIC COMMENT

None forthcoming

Minutes

On motion of Board Member Guzman-Lowery, seconded by Board Member Davis, the minutes of the regular meeting of January 18, 2022, were unanimously approved by roll call vote.

Vote: 5 - 0 Passed

ADJOURNMENT

There being no further business, the Redlands Financing Authority adjourned at 7:29 P.M. The next regular meeting of the Agency will be held on September 20, 2022.