

PUBLIC UTILITIES COMMISSION

320 W. 4th Street, Suite 500
Los Angeles, CA 90013



September 25, 2017

File Number: XREQ 2017090003
Davis Street
City of San Leandro, Alameda County

Michael Stella
Principal Engineer
City of San Leandro
835 East 14th Street
San Leandro, CA 94577

SENT VIA E-MAIL

Re: General Order 88-B Request for Authority to Alter the Davis Street At-Grade Highway-Rail Crossing, CPUC Crossing No. 001D-14.70 and DOT No. 749728V in the City of San Leandro, Alameda County.

Dear Mr. Stella:

This refers to your letter dated August 31, 2017, received by us via email requesting authorization, pursuant to California Public Utilities Commission (Commission/CPUC) General Order (GO) 88-B, to alter the Davis Street at-grade highway-rail crossing (crossing) of the Union Pacific Railroad (UPRR) track in the City of San Leandro (City), Alameda County. The crossing is identified as CPUC Crossing No. 001D-14.70 and DOT No. 749728V.

The existing configuration consists of a single track crossing over a four lane roadway with two sidewalks, raised curb medians, two road-side mounted Commission Standard 9 (flashing light signal assembly with automatic gate arm) warning devices and two median mounted Commission Standard 9 warning devices.

14 passenger trains and 12 freight trains operate per day at a maximum speed of 79 mph over the crossing. The average daily traffic at the crossing is 33,000 vehicles.

The proposed alterations, as indicated in the City's request letter and/or shown on the plans consist of:

- Installation of detectable warning strips within the public sidewalks in all four quadrants;
- Installation of two new Commission Standard 8 (flashing light signal assembly) warning devices, one each in the northeast and southwest quadrants;
- Correction of uneven surfacing at the rail crossing, using hot mix asphalt repaving; and
- Applying California Manual on Uniform Traffic Control Devices (CA MUTCD) compliant signage and pavement markings, including R8-8 "DO NOT STOP ON THE TRACKS" and R15-8 "LOOK" signs.

The Commission's Rail Crossings and Engineering Branch (RCEB) staff has investigated the request by the City and finds it adequately addresses compliance and safety. As the City and UPRR (Parties) are in agreement as to the design and apportionments of the cost under the provisions of GO 88-B, the City may proceed with the improvements as described in its request letter and

attachments, and summarized above. The City must complete all the proposed alterations mentioned above for RCEB to consider this GO 88-B application closed.

UPRR must ensure that Emergency Notification Signs are installed to comply with Title 49 Code of Federal Regulations (CFR) Section 234.309. Temporary traffic controls shall be provided in compliance with Section 8A.08, Temporary Traffic Control Zones, of the CA MUTCD, 2014 Edition, published by the California Department of Transportation.

All parties shall comply with all applicable rules, including Commission General Orders and CA MUTCD. This project is categorically exempt from the requirements of the California Environment Quality Act of 1970, as amended [California Pubic Resources Code 21084].

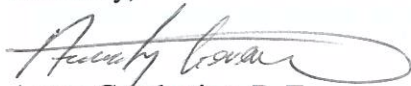
This authorization shall expire if the above conditions are not complied with or if the work is not completed within three years of the date of this letter. Upon written request to this office, the time to complete the project may be extended. A written request for a time extension must include concurrence letters by interested Parties in support of the time extension. If an extension is requested, RCEB may reevaluate the crossing prior to granting an extension.

Within 30 days after completion of this project, UPRR shall notify RCEB that the authorized work is completed by submitting a completed Commission Standard Form G. Form G requirements and forms can be obtained at the CPUC web site at <http://www.cpuc.ca.gov/crossings/>. This report may be submitted electronically to rceb@cpuc.ca.gov.

At the conclusion of the project, UPRR should submit an updated electronic inventory form (Form F6180.71) to the Federal Railroad Administration, reflecting the changes. Title 49 CFR Section 234.409 requires the railroads to submit periodic crossing inventory updates a minimum of once every three years. The Commission requests a concurrent copy of the updated inventory form be submitted to rceb@cpuc.ca.gov.

If you have any questions, please contact Sia Mozaffari at (415) 703-1815 or email at sivash.mozaffari@cpuc.ca.gov.

Sincerely,



Anton Garabetian, P. E.
Program and Project Supervisor
Rail Crossings and Engineering Branch
Safety and Enforcement Division

SENT VIA E-MAIL

Cc: Kevin Yoder, UPRR
Peggy Ygbuhay, UPRR
Keith Cooke, City of San Leandro

**REQUEST TO CPUC STAFF FOR AUTHORIZATION TO
ALTER HIGHWAY-RAIL CROSSING
PURSUANT TO GENERAL ORDER 88-B**



1. Date Submitted: August 31, 2017

2. Applicant Info

Organization Name:	City of San Leandro
Contact Person:	Michael Stella, P.E.
Title:	Principal Engineer
Street Address:	835 East 14 TH Street
City:	San Leandro
Zip:	94577
Phone:	510-577-3433
Email:	mstella@sanleandro.org

3. Crossing proposed to be altered

PUC Crossing Number:	001D-14.70	
U.S. DOT Crossing Number:	749728V	
Street Name:	Davis Street (State Route 112)	
City:	San Leandro	
County:	Alameda	
Average Daily Vehicle Traffic (ADT) on roadway crossing tracks	33,000	
Year ADT count taken (should be within last 5 years)	2014	
Railroad Responsible for Crossing:	Union Pacific Railroad	
Other Railroads Operating on Tracks:	Amtrak, BNSF	
Average Daily Train Traffic and speed from all operating railroads	Train Volume	Maximum Train Speed
Passenger	14	79 MPH
Freight	12	50 MPH
Transit	0	N/A

4. Describe Proposed Alterations (including any temporary reduced clearance variance requests):

Refer to the attached exhibit titled “San Leandro Tech Campus Davis Street Crossing DOT #749728V San Leandro, California” by Lea & Braze Engineering, Inc. dated 8-01-2016. In general, the improvements include the following:

- Installation of a new detectable warning surfaces within the public sidewalks at four locations in advance of the warning devices and consistent with Americans with Disabilities Act (ADA) Accessibility Guidelines for Buildings and Facilities (ADAAG Figure R305.2.5) at the crossing in eastbound and westbound pedestrian travel directions.
- Installation of new off-quadrant CPUC Standard 8 flashing light signal assemblies for pedestrian sidewalk approaches to the rail crossing at two locations where pedestrians are walking against the flow of vehicle traffic.
- Removal and replacement of 24” white pavement limit lines on Davis Street (SR 112) in accordance with Caltrans Standard Plan A24B.
- Installation of R8-8 “Do Not Stop on Tracks” and R15-8 “Look” signage per MUTCD standards at all approaches to the crossing.
- Minor hot-mix asphalt repaving to correct uneven surfacing at the rail crossing.

5. Describe the public benefits to be achieved by the proposed alterations:

New off-quadrant CPUC Standard 8 assemblies will complement the existing CPUC Standard 9 assemblies to warn pedestrians about an approaching train. Visually impaired pedestrians will encounter detectable warning surfaces in advance of the tracks. Finally, enhanced pavement marking limit lines and new MUTCD signage will provide additional visual information to pedestrians and drivers who approach the rail crossing.

6. Explain why a separation of grades is not practicable:

A grade separation is currently cost-prohibitive because the right-of-way is constrained by adjacent urbanized development including buildings, utilities, and similar underground/above ground facilities in the immediate vicinity of this crossing.

7. Describe crossing warning devices

Current:	<p>Eastbound: CPUC Standard 9 assembly with separate crossing arm assembly on the Davis Street (SR 112) roadside (flashing lights facing both eastbound and westbound); CPUC Standard 9 assembly in the median island (flashing lights facing eastbound only).</p> <p>Westbound: CPUC Standard 9 assembly with separate crossing arm assembly on the Davis Street (SR 112) roadside (flashing lights facing both eastbound and westbound); CPUC Standard 9 assembly in the median island (flashing lights facing westbound only).</p>
Proposed:	<p>Eastbound: CPUC Standard 9 assembly with separate crossing arm assembly on the Davis Street (SR 112) roadside (flashing lights facing both eastbound and westbound); CPUC Standard 9 assembly in the median island (flashing lights facing eastbound only). New off-quadrant CPUC Standard 8 assembly in the public sidewalk for pedestrians walking against vehicle traffic.</p>

	Westbound: CPUC Standard 9 assembly with separate crossing arm assembly on the Davis Street (SR 112) roadside (flashing lights facing both eastbound and westbound); CPUC Standard 9 assembly in the median island (flashing lights facing westbound only). New off-quadrant CPUC Standard 8 assembly in the public sidewalk for pedestrians walking against vehicle traffic.
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8. Temporary Traffic Controls - Include a statement of temporary traffic controls to be provided during construction:

Traffic control provided during construction will be in conformance with California MUTCD Section 6G.18 “Work in the Vicinity of a Grade Crossing” which reads, in part,

“When grade crossings exist either within or in the vicinity of a TTC zone, lane restrictions, flagging, or other operations shall not create conditions where vehicles can be queued across the tracks.”

“Early coordination with the railroad company...should occur before works starts.”

Traffic control provided during construction will also be in conformance with California MUTCD Section 8A.08 “Temporary Traffic Control Zones” which reads, in part,

“When a grade crossing exists either within or in the vicinity of a temporary traffic control zone, lane restrictions, flagging...or other operations shall not be performed in a manner that would cause highway vehicles to stop on the railroad...tracks, unless a flagger or uniformed law enforcement officer is provided at the grade crossing to minimize the possibility of highway vehicles stopping on the tracks, even if automatic warning devices are in place.”

“Public and private agencies, including emergency services, businesses, and railroad...companies should meet to plan appropriate traffic detours and the necessary signing, marking, and flagging requirements for operations during temporary traffic control zone activities. Consideration should be given to the length of time that the grade crossing is to be closed, the type of rail...and highway traffic affected, the time of day, and the materials and techniques of repair.”

9. CEQA (Applicable only to grade-separation projects). If the project involves grade separation of an existing at grade crossing, then either a copy of the Notice of Exemption from CEQA or other factual evidence that the project is exempt from Public Resources Code Section 21080.13 must be provided.

The project does not involve a grade separation.

10. Signature

I, Michael Stella, P.E., am an employee of the City of San Leandro and authorized to sign this GO 88-B authorization request letter on its behalf.

Michael Stella, P.E., Principal Engineer

 8/31/2017

Typed Name and Title

Signature and date

Attachments:

1. Exhibit A - Vicinity Map - Map of Immediate Vicinity on a scale of 50 to 200 ft/inch
2. Exhibit B - Engineering Drawings of improvements: San Leandro Tech Campus Davis Street Crossing: DOT# 749728V by Lea & Braze Engineering, Inc. (Job No. 2140132), 1 page

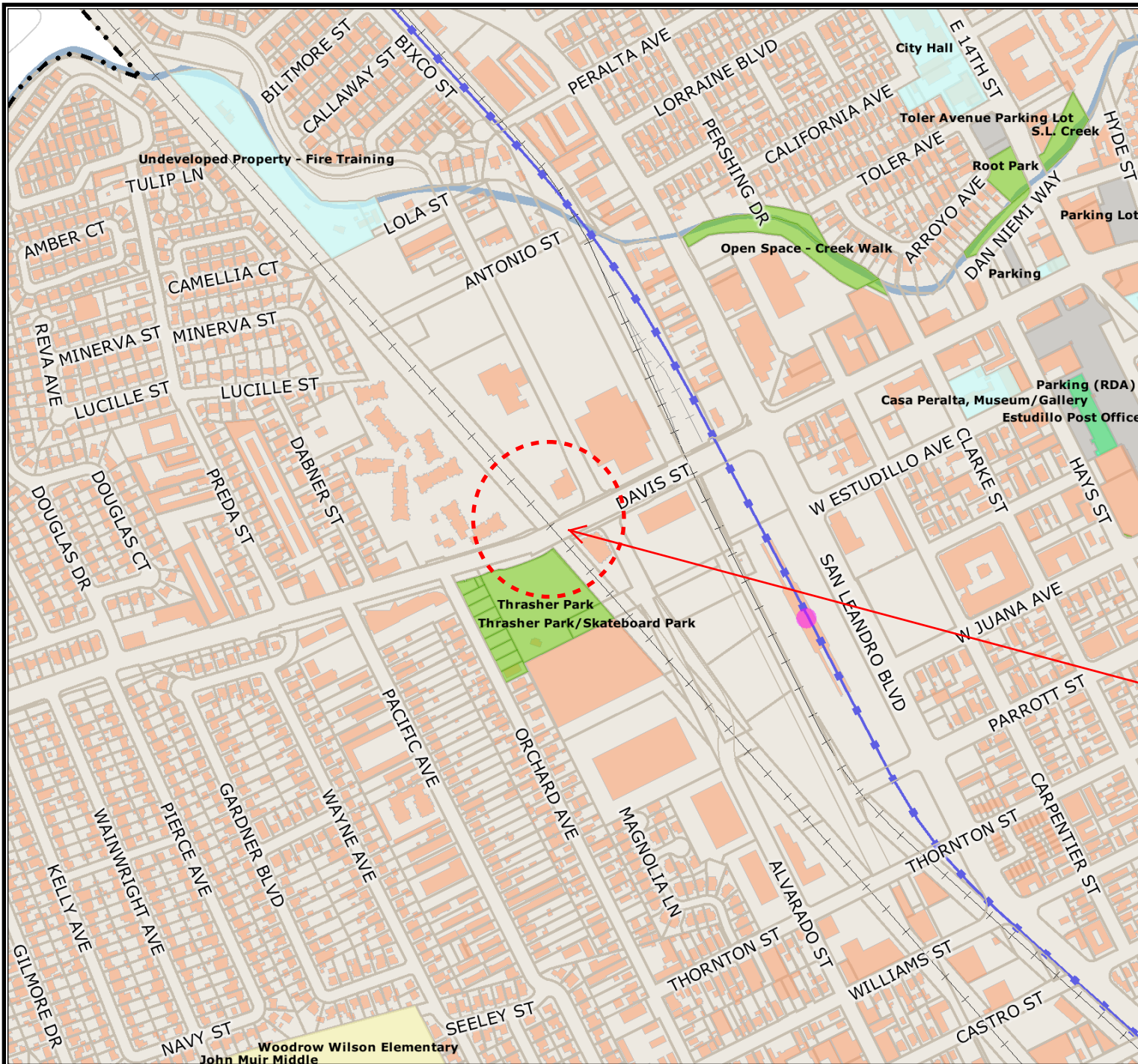
11. Evidence of Agreement:

I, Peggy Ygbuhay, am an employee of Union Pacific Railroad and authorized to sign this letter of agreement on its behalf, hereby declare that Union Pacific Railroad concurs with the proposed project described above.

Peggy Ygbuhay Sr Mgr IPP  8/24/17
Typed Name and Title Signature and Date

10031 Foothills Blvd., Roseville CA 95747
Address

Note: If there are additional interested parties, make additional copies of this page.

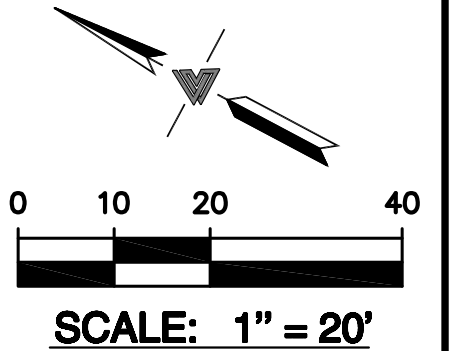
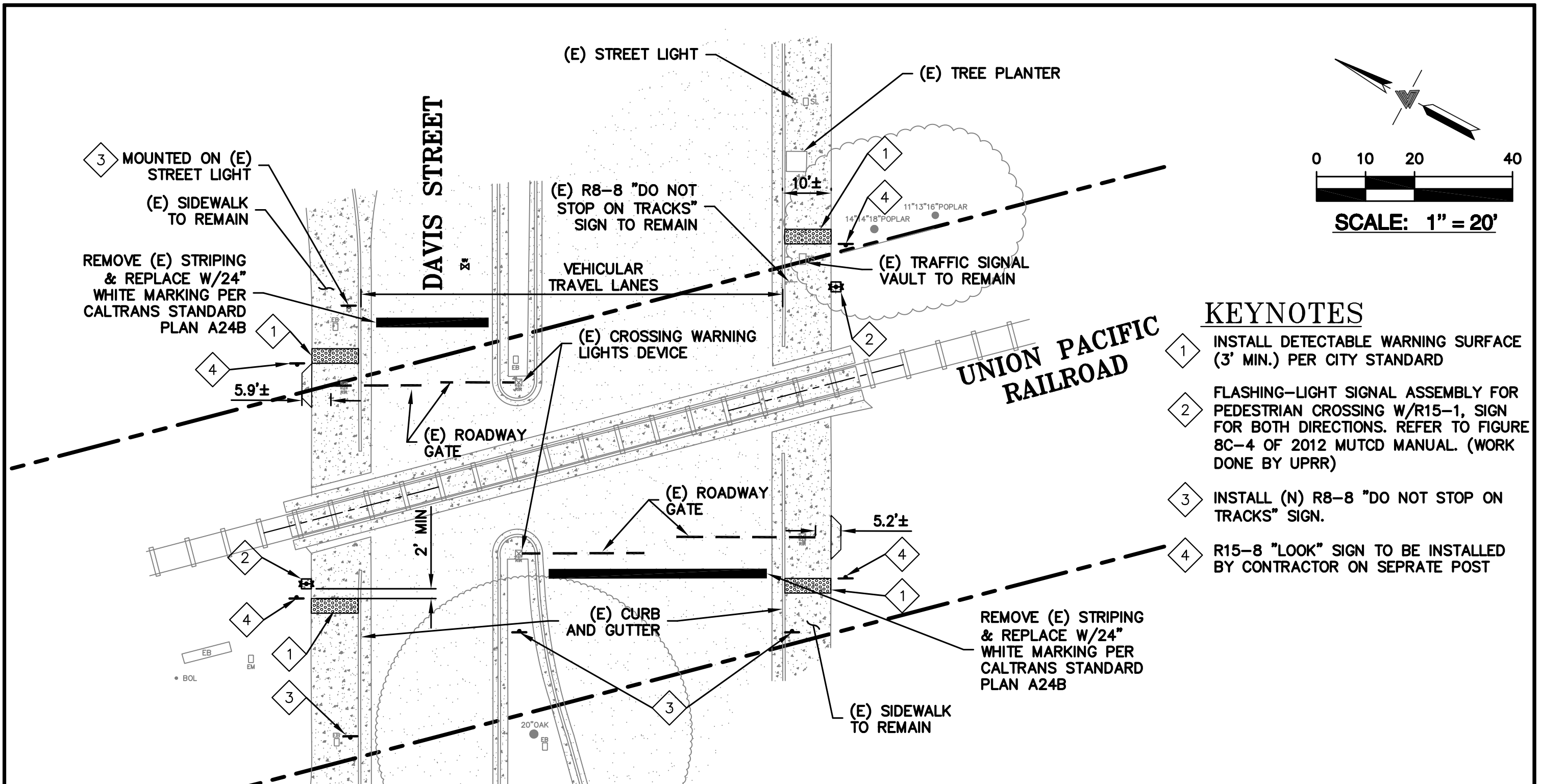


- Public Land**
- CITY FACILITY
 - FIRE STATION
 - HOSPITAL
 - LIBRARY
 - OPEN SPACE
 - PARKING
 - POST OFFICE
 - RESOLUTION
 - SCHOOL

Crossing subject to this GO88B application

749728V Niles Subdivision, San Leandro California



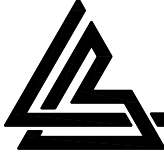


KEYNOTES

- 1 INSTALL DETECTABLE WARNING SURFACE (3' MIN.) PER CITY STANDARD
- 2 FLASHING-LIGHT SIGNAL ASSEMBLY FOR PEDESTRIAN CROSSING W/R15-1, SIGN FOR BOTH DIRECTIONS. REFER TO FIGURE 8C-4 OF 2012 MUTCD MANUAL. (WORK DONE BY UPRR)
- 3 INSTALL (N) R8-8 "DO NOT STOP ON TRACKS" SIGN.
- 4 R15-8 "LOOK" SIGN TO BE INSTALLED BY CONTRACTOR ON SEPRATE POST

Date 8-1-16
 Scale 1" = 20'
 Design By JC
 Drawn By WM
 Job No. 2140132

SAN LEANDRO TECH CAMPUS
 DAVIS STREET CROSSING
 DOT #749728V
 SAN LEANDRO, CALIFORNIA



LEA & BRAZE ENGINEERING, INC.
 CIVIL ENGINEERS • LAND SURVEYORS

BAY AREA REGION 2495 INDUSTRIAL PKWY WEST HAYWARD, CALIFORNIA 94545 (P) (510) 887-4086 (F) (510) 887-3019	SACRAMENTO REGION 3017 DOUGLAS BLVD, # 300 ROSEVILLE, CA 95661 (P) (916)966-1338 (F) (916)797-7363
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WWW.LEABRAZE.COM