

**REPORT/RECOMMENDATION TO THE BOARD OF SUPERVISORS  
OF SAN BERNARDINO COUNTY  
AND RECORD OF ACTION**

January 25, 2022

**FROM**

**BRENDON BIGGS, Director, Department of Public Works – Transportation**

**SUBJECT**

California Environmental Quality Act Finding for the Bloomington Avenue Pavement and Storm Drain Improvement Project in the Bloomington Area

**RECOMMENDATION(S)**

1. Find that the Bloomington Avenue Pavement and Storm Drain Improvement Project, in the Bloomington area, is exempt under the California Environmental Quality Act Guidelines, Title 14 of the California Code of Regulations Section 15301(a) Class 1 (existing facilities) and Section 15302(c) Class 2 (replacement or reconstruction).
2. Approve the Bloomington Avenue Pavement and Storm Drain Improvement Project, in the Bloomington area, as defined in the Notice of Exemption and direct the Clerk of the Board to file and post the Notice of Exemption.

(Presenter: Brendon Biggs, Director, 387-7906)

**COUNTY AND CHIEF EXECUTIVE OFFICER GOALS & OBJECTIVES**

**Ensure Development of a Well-Planned, Balanced, and Sustainable County.  
Provide for the Safety, Health and Social Service Needs of County Residents.**

**FINANCIAL IMPACT**

Approval of this item will not result in the use of Discretionary General Funding (Net County Cost). The Bloomington Avenue Pavement and Storm Drain Improvement Project in the Bloomington area (Project) is funded with San Bernardino Valley Measure I revenue. The requested actions are administrative in nature with minimal financial impact. Sufficient appropriation is included in the Department of Public Works (Department) 2021-22 Measure I budget (6650002142 14TX1795).

**BACKGROUND INFORMATION**

The Project involves road and drainage improvements from Cedar Avenue to 0.11 miles northeast of Larch Avenue, in the Bloomington area. The improvements include full depth pavement reconstruction; roadway reprofiling; replacement of existing catch basin, construction of new catch basins; replacement of approximately 800 feet of existing storm drain; construction of new curb, gutter, sidewalk and driveway approaches; construction of new and upgrade existing curb ramps to meet current Americans with Disabilities Act (ADA) guidelines; and signing and striping improvements. The Project will require the acquisition of additional right-of-way, which will be presented to the Board of Supervisors (Board) as a separate item for approval at a future date.

**California Environmental Quality Act Finding for the Bloomington Avenue Pavement and Storm Drain Improvement Project in the Bloomington Area  
January 25, 2022**

The Department's environmental staff has reviewed this Project and determined that a categorical exemption in accordance with the California Environmental Quality Act (CEQA) Guidelines, Title 14 of the California Code of Regulations, Section 15301(c), Class 1, and Section 15302(c), Class 2, is appropriate. The Class 1 exemption allows for repair and maintenance activities on existing roads, sidewalks, gutters, and similar facilities that involve negligible or no expansion of use beyond that existing at the time of the lead agency's determination. The Class 2 exemption allows for the replacement or reconstruction of existing structures and facilities where the new structure will be located on the same site as the structure replaced and will have substantially the same purpose and capacity as the structure replaced. When the Board considers the environmental finding, the filing and posting of a Notice of Exemption is recommended.

This Project has been identified as a priority based on engineering studies that identified the need to replace a deteriorated storm drain, protect property, and reduce potential for flood damage to the road. The Project aligns with the County and the Chief Executive Officer's goals and objectives to ensure the development of a well-planned, balanced, and sustainable County and to provide for the safety of County residents by improving roadway drainage and accessibility for pedestrians, including those with disabilities.

**PROCUREMENT**

The department anticipates bringing the Project's plans and specifications, as well as a recommendation to advertise the Project for competitive bids, to the Board for consideration in Summer 2022.

**REVIEW BY OTHERS**

This item has been reviewed by County Counsel (Aaron Gest, Deputy County Counsel, 387-5455) on December 29, 2021; Finance (Jessica Trillo, Administrative Analyst, 387-4222) on January 3, 2022; and County Finance and Administration (Paloma Hernandez-Barker, Deputy Executive Officer, 387-5423) on January 7, 2022.

**NOT FOR BID**

**California Environmental Quality Act Finding for the Bloomington Avenue Pavement and Storm Drain Improvement Project in the Bloomington Area  
January 25, 2022**

Record of Action of the Board of Supervisors  
San Bernardino County

**APPROVED (CONSENT CALENDAR)**

Moved: Col. Paul Cook (Ret.) Seconded: Joe Baca, Jr.  
Ayes: Col. Paul Cook (Ret.), Janice Rutherford, Dawn Rowe, Curt Hagman, Joe Baca, Jr.

Lynna Monell, CLERK OF THE BOARD

BY   
DATED: January 25, 2022



cc: **Public Works/Trans- Biggs w/CEQA & Receipt**  
File- Public Works/Trans w/CEQA & Receipt w/map  
LA 01/25/2022

**NOT FOR BID**



State of California - Department of Fish and Wildlife  
**2022 ENVIRONMENTAL DOCUMENT FILING FEE**  
**CASH RECEIPT**  
 DFW 753.5a (REV. 01/01/22) Previously DFG 753.5a

**Print** **StartOver** **Save**

RECEIPT NUMBER:  
 36 — 01252022 — 070  
 STATE CLEARINGHOUSE NUMBER (If applicable)

**SEE INSTRUCTIONS ON REVERSE. TYPE OR PRINT CLEARLY.**

LEAD AGENCY <b>San Bernardino County Dept. of Public Works</b>	LEAD AGENCY EMAIL	DATE <b>01252022</b>
COUNTY/STATE AGENCY OF FILING <b>San Bernardino</b>	DOCUMENT NUMBER	

PROJECT TITLE  
**Bloomington Ave. Project**

PROJECT APPLICANT NAME <b>San Bernardino County Dept. of Public Works</b>	PROJECT APPLICANT EMAIL	PHONE NUMBER <b>(909) 387-8109</b>
PROJECT APPLICANT ADDRESS <b>825 E. Third Street, Room 123</b>	CITY <b>San Bernardino</b>	STATE <b>CA</b>
		ZIP CODE <b>92415-0835</b>

PROJECT APPLICANT (Check appropriate box)

Local Public Agency    
  School District    
  Other Special District    
  State Agency    
  Private Entity


**CHECK APPLICABLE FEES:**

<input type="checkbox"/> Environmental Impact Report (EIR)	\$3,539.25	\$	0.00
<input type="checkbox"/> Mitigated/Negative Declaration (MND)(ND)	\$2,548.00	\$	0.00
<input type="checkbox"/> Certified Regulatory Program (CRP) document - payment due directly to CDFW	\$1,203.25	\$	0.00
<input type="checkbox"/> Exempt from fee			
<input type="checkbox"/> Notice of Exemption (attach)			
<input type="checkbox"/> CDFW No Effect Determination (attach)			
<input type="checkbox"/> Fee previously paid (attach previously issued cash receipt copy)			
<hr/>			
<input type="checkbox"/> Water Right Application or Petition Fee (State Water Resources Control Board only)	\$850.00	\$	0.00
<input checked="" type="checkbox"/> County documentary handling		\$	50.00
<input type="checkbox"/> Other		\$	

PAYMENT METHOD:

Cash    
  Credit    
  Check    
  Other

**TOTAL RECEIVED \$ 50.00**

SIGNATURE <b>X</b> 	AGENCY OF FILING PRINTED NAME AND TITLE <b>Lisa Arredondo, Deputy Clerk</b>
-----------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------

NOT FOR BID



# Notice of Exemption

To:  Office of Planning and Research  
1400 Tenth Street, Room 121  
Sacramento, CA 95814

From: San Bernardino County  
Department of Public Works  
Environmental Management Division  
825 E. Third Street, Room 123  
San Bernardino, CA 92415-0835

Clerk of the Board of Supervisors  
San Bernardino County  
385 North Arrowhead Avenue, Second Floor  
San Bernardino, CA 92415-0130

## Project Description

**Project Title:** Bloomington Ave. Project

**Project Location:** The project location is on Bloomington Ave. between Cedar Ave. and about .11 miles east of Larch Ave. in the community of Bloomington, San Bernardino County, California (see Vicinity and Location Map).

**Project Description:** The project involves full depth reconstruction; re-design of Bloomington Ave. with a crowned section of road; remove and replace approximately 800-feet of storm drain; upgrade ADA ramps as appropriate throughout project limits; construct multiple storm drain catch basins along Bloomington Ave.; construct approximately 770-feet of new curb, gutter and sidewalk and approximately 11 driveway approaches along the south side of Bloomington Ave. between Vine Street and Larch Ave. The project activities will occur in previously developed and disturbed areas. Additionally, the project will include the removal and export of approximately 4,800 cubic yards of materials or debris with an estimated haul distance of less than 5-miles. Equipment to be used may include but not limited to: Asphalt paver, backhoes, excavator, dump truck Construction duration is anticipated for approximately three (3) months with an estimated start date of 2022.

## Applicant

San Bernardino County Dept. of Public Works

825 E. Third Street

Address

San Bernardino, CA 92415-0835

(909) 387-8109

Phone

## Representative

AJ Gerber

Name

Same as Applicant

Address

Anthony Pham, P.E.

Lead Agency Contact Person

(909) 387-8109

Same as Applicant

Phone

Exempt Status: (check one)

Ministerial [Sec. 21080(B)(1); 15268];

Declared Emergency [Sec. 21080(B)(3); 15269(a)];

Emergency Project [Sec. 21080(B)(4); 15269(b)];

Categorical Exemption. State type and section: Class 1, Section 15301 (c); Class 2, Section 15302 (c)

Statutory Exemptions. State code number: \_\_\_\_\_

Other Exemption: \_\_\_\_\_

Reasons why project is exempt: Class 1 repair and maintenance of existing facilities to include streets; Class 2 allows for replacement or reconstruction of existing structures or facilities where the new structure will be located on the same site as the structure replaced and will have substantially the same purpose and capacity as the structure replaced.

Chief, Environmental Mgmt. Div.

12/1/2021

Signature Anthony Pham, P.E.

Title

Date

Signed by Lead Agency

Signed by Applicant

Date received for filing at OPR: N/A

**DATE FILED & POSTED**

Posted On: 01/25/2022

Removed On: 03/09/2022

Receipt No: 36-01252022-070



City of Rialto
COMMUNITY DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

335 W. Rialto Avenue, Rialto, CA 92376
Phone: (909) 421-4999 • Fax: (909) 421-7210

Email Application to: UtilityPermits@rialto.ca.gov Website: www.yourrialto.com

ENCROACHMENT PERMIT APPLICATION

Applicant (Name/Company):

Address:

City/State/Zip

Phone: ( ) Email:

Contractor (Name/Company):

Phone: ( ) Email:

Contractor License #: Type: Expiration Date:

Rialto Business License: Expiration Date:

(Note: This permit is valid until the insurance expiration date.)

Said work to be in conformance with Encroachment Permit General Provisions, applicable City Ordinances, and/or according to City Specifications for such work, and to the satisfaction of the City Engineer.

Permission is requested to open the following street/address: Street
between Street and Street

For the purpose of:

For the duration of: One Day or Less Two Day Three or more Days

APPLICANT MUST PROVIDE PROOF OF THE FOLLOWING:

- 1. Current Business License with the City of Rialto.
2. Certificate of General Liability Insurance, including additional Insurance Endorsements, in the minimum amount of \$1 Million dollars, naming the City of Rialto as additionally insured.
3. Franchise Agreement (As Applicable)
4. Plans/Drawings of work to be performed.
5. Traffic Control Plans in conformance with policies, methods and procedures described in the CA MUTCD, CATTCH or WATCH.

NOTE: Applications will not be accepted unless ALL items are provided. If upon review of the permit, it is determined that other conditions are necessary, those conditions will be attached to this permit.

Application fee will be collected at the time of submittal. Inspection fees must be paid prior to the issuance of the permit.

\*Hours of work are from 7:00 a.m. to 5:00 p.m. Monday through Friday unless otherwise approved by the City Engineer.\*

Contractor must contact Underground Service Alert at 1 (800) 442-4133 to have utilities marked out before the pre-construction meeting. After approval of the permit, the Contractor will contact the Engineering Division Inspector at (909) 421-7294 and must have a minimum of 48-hours notification prior to scheduling of a pre-construction meeting and construction. All restorations shall be per City Standard. Where applicable, restorations must also abide by City Council approved moratorium requirements.

Table with columns for Fee Type, Amount, and Total. Rows include Extension, Standard Street Work, Street Work Up to 1,000 Lf, Street Work Over 1,000 Lf, Street Cut Permit/Inspection Fee, and Overtime/Night Inspection.

Applicant's Signature:

Permit Issued By:

Restoration Completed by Inspector:

Date

Date

Date

PERMIT/TRAKiT NO.

PERMIT TYPE
Extension Maximum of 1 full year
Standard
A Standard Permit is valid for a period of 180 days Only. Upon expiration, a new permit must be submitted and all fees paid at resubmission.
ISSUE DATE:
EXPIRATION DATE:
\*\*FOR OFFICE USE ONLY\*\*
DATE:
ENTERED BY:

NOT FOR REFERENCE ONLY



Contract Number

\_\_\_\_\_

SAP Number

\_\_\_\_\_

### Department of Public Works

<b>Department Contract Representative</b>	Chris Nguyen, P.E. Engineering Manager
<b>Telephone Number</b>	909-387-7340
<b>Consultant</b>	West Valley Water District
<b>Consultant Representative</b>	Jinda Jadeski
<b>Telephone Number</b>	909-875-1804
<b>Contract Term</b>	7/11/2023 – 7/11/2025
<b>Original Contract Amount</b>	\$423,000
<b>Amendment Amount</b>	0
<b>Total Contract Amount</b>	\$423,000
<b>Cost Center</b>	2142-665-TX1795

NOT FOR BID

**IT IS HEREBY AGREED AS FOLLOWS:**

**WHEREAS**, the San Bernardino County (COUNTY) Department of Public Works (DEPARTMENT) is currently preparing plans and specifications for the Bloomington Avenue Pavement and Storm Drain Improvement project, from Cedar Avenue to 0.11 miles northeast of Larch Avenue (hereinafter referred to as "PROJECT"), in the Bloomington area; and

**WHEREAS**, COUNTY shall be solely responsible for the design and construction work associated with the PROJECT; and

**WHEREAS**, during the PROJECT's design phase, DEPARTMENT staff determined that improvements to Bloomington Avenue will impact West Valley Water District (DISTRICT) waterlines, water meters, fire hydrants and appurtenant structures and relocation of these facilities is required for the construction of the PROJECT; and

**WHEREAS**, by virtue of the construction of the PROJECT, the existing waterlines, water meters, fire hydrants and appurtenant structures along Bloomington Avenue will need to be relocated (hereinafter referred to as RELOCATION) as they are now in conflict with the proposed design of the PROJECT; and

**WHEREAS**, the above described waterlines, water meters, fire hydrants and appurtenant structures are owned and operated by DISTRICT (DISTRICT FACILITIES); and

**WHEREAS**, in accordance with California Streets and Highways Code section 1463, the COUNTY has informed DISTRICT of the required RELOCATION; and

**WHEREAS**, it has been determined that DISTRICT has prior rights for the portion of the DISTRICT FACILITIES within the PROJECT area and therefore the COUNTY shall bear one hundred percent (100%) of the cost of RELOCATION, as well as design work (including preparation of plans and specifications) and relocation construction costs (hereinafter referred to as RELOCATION COSTS) which are estimated to be \$423,000 (see Exhibit A, attached hereto and incorporated herein by this reference); and

**WHEREAS**, COUNTY shall perform the design work for the RELOCATION at COUNTY's cost and expense; and

**WHEREAS**, DISTRICT shall perform the construction work for the RELOCATION at COUNTY's cost and expense; and

**WHEREAS**, COUNTY shall advance to DISTRICT the estimated RELOCATION COSTS, which includes a ten percent (10%) contingency deposit, a ten percent (10%) charge for DISTRICT administrative costs (labor, materials, transportation, supervision, engineering (including review of plans and specifications), contract administration, plan checking, material submittal review, contractor coordination, accounting and inspection costs); and

**WHEREAS**, COUNTY and DISTRICT desire to set forth the responsibilities and obligations of each as they pertain to such participation and to the construction and funding of RELOCATION.

**NOW, THEREFORE**, the COUNTY and DISTRICT mutually agree to the following terms and conditions:

**A. COUNTY AGREES TO:**

- A.1** Act as the Lead Agency in the design of the PROJECT and RELOCATION, California Environmental Quality Act (CEQA) compliance (Public Resources Code section 21000 et seq.), and construction of the PROJECT.
- A.2** Advertise, award and administer the construction of the PROJECT in accordance with the provisions of the California Public Contract Code applicable to counties.
- A.3** Require the COUNTY's contractor for the PROJECT to maintain and to comply throughout the term of any contract awarded by COUNTY with the insurance requirements described in County Policy Numbers 11-07 and 11-07SP.
- A.4** Pay for one hundred percent (100%) of RELOCATION COSTS, estimated to be \$423,000 (see Exhibit A). The RELOCATION COSTS shall include the cost of RELOCATION construction, inspection, contingency and DISTRICT administrative fees. COUNTY's payment to DISTRICT shall not exceed \$423,000 without a written amendment to this Agreement approved by the parties pursuant to paragraph C.6. The parties acknowledge that the amounts set forth on Exhibit "A" are a good faith estimate of the costs to design and relocate the DISTRICT FACILITIES. The actual cost will not be known until completion of RELOCATION work and receipt of all invoices. DISTRICT will use commercially reasonable efforts to minimize costs. However, the parties recognize and agree that the costs of RELOCATION may be greater than estimated on Exhibit "A" and additional costs may be warranted for a variety of reasons, including, but not limited to, unforeseen circumstances or the need for work not contemplated in Exhibit "A." COUNTY shall advance to DISTRICT the estimated amount of \$423,000 within ten (10) calendar days of the effective date of this Agreement.
- A.5** Provide adequate inspection of all items of work performed under the RELOCATION for the PROJECT and maintain adequate records of inspection.
- A.6** Issue a no-cost permit for the RELOCATION. The parties agree that the DISTRICT should be placed in the same position with respect to the relocated DISTRICT FACILITIES as exist with respect to the existing DISTRICT FACILITIES. Thus, DISTRICT shall be deemed to have prior rights with respect to the relocated DISTRICT FACILITIES in the

same fashion and to the same extent as now exist to the existing DISTRICT FACILITIES and the permit shall so provide.

- A.7** Provide construction surveying and staking services required for construction of RELOCATION.

**B. DISTRICT AGREES TO:**

- B.1** Act as the Lead Agency on the construction of RELOCATION.
- B.2** Review, approve and sign RELOCATION plans prepared by COUNTY.
- B.3** Prepare all general, special and technical provisions required to advertise RELOCATION for bid.
- B.4** Advertise, award, and administer the construction of the RELOCATION, which shall be in accordance with the provisions of the California Public Contract Code applicable to Counties.
- B.5** Apply for a permit from COUNTY'S Department of Public Works for the RELOCATION work occurring in COUNTY right-of-way at no cost to the DISTRICT. Any and all permits shall not be unreasonably withheld or conditioned. .
- B.6** DISTRICT shall perform the RELOCATION work substantially in accordance with DISTRICT approved water RELOCATION plans. Substantial deviations (as determined by both DISTRICT and COUNTY) from the DISTRICT's plan described herein that would not result in costs exceeding the estimated amount of \$423,000 are subject to the review and approval of the COUNTY's Director of the Department of Public Works through the use of the change order set forth in Exhibit "B," which is attached hereto and incorporated herein by this reference. Contract Change Order forms will be delivered by email to COUNTY's Contract Representative. COUNTY shall review receipt of a change order to approve or disapprove the change order. In the event COUNTY disapproves of a change order COUNTY shall provide to DISTRICT within such five (5) day business period a detailed explanation as to why COUNTY disapproved the subject change order. Substantial deviations that would result in costs exceeding the estimated amount of \$423,000 will require an amendment to this Agreement pursuant to Paragraph C.6. The provisions of Paragraph A.4 shall apply with respect to approval of change orders and amendments to this Agreement. It is understood and agreed that COUNTY will not be responsible for the payment for any oversizing of DISTRICT FACILITIES in the new location. This payment principle applies to all RELOCATION work, including the work identified in the DISTRICT's plan, as well as work identified in any COUNTY/DISTRICT approved change order. In addition, COUNTY is not responsible for the payment for any betterment, including but not limited to oversizing, associated with change order work, unless the betterment is required by State law or regulation.
- B.7** DISTRICT agrees to perform the RELOCATION work with DISTRICT's contractor and to provide and furnish all necessary labor, materials, tools, and equipment required therefore, and to prosecute said work diligently to completion in compliance with all applicable laws, regulations, ordinances, and permits.
- B.8** RELOCATION work performed by DISTRICT's contractor is a public work under the definition of Labor Code section 1720(a) and is therefore subject to the Prevailing Wage Laws, including, but not limited to Senate Bill 854 requirements. DISTRICT shall verify compliance with the Prevailing Wage Laws, including compliance with the Senate Bill 854 requirements, in the administration of its contracts related to any and all RELOCATION work. By its execution of this Agreement, DISTRICT certifies that it is aware of the requirements of California Labor Code Sections 1720 et seq. and 1770 et seq. as well as California Code of Regulations, Title 8, Section 16000 et seq. ("Prevailing Wage Laws"), which require the payment of prevailing wage rates and the performance of other requirements on certain "public works" and "maintenance" projects. Section 1720 of the California Labor Code states in part: "For purposes of this paragraph, 'construction' includes work performed during the design, site assessment, feasibility study, and other preconstruction phases of construction including, but not limited to, inspection and land surveying work..." If the Services/Scope of Work are being performed as part of an

applicable “public works” or “maintenance” project, as defined by the Prevailing Wage Laws, and if the total compensation is \$1,000 or more, DISTRICT agrees that any work performed by DISTRICT’s contractor(s) shall fully comply with such Prevailing Wage Laws.

- B.9** Participate with the COUNTY in scheduling and coordinating the construction of the RELOCATION. The parties will schedule the initiation of the construction of the RELOCATION within thirty (30) days of COUNTY’s issuance of the permit described in Paragraph B.3, above; provided that DISTRICT’s contractor is able to begin construction at that time, and if not, as soon thereafter as possible.
- B.10** Provide a qualified DISTRICT representative to inspect RELOCATION and who shall have the authority to discuss and resolve issues concerning the RELOCATION with the COUNTY. Representative must be able to resolve issues in a timely manner to avoid delay claims.
- B.11** Submit to COUNTY an itemized accounting of actual RELOCATION COSTS incurred by DISTRICT within thirty (30) days of completion of the RELOCATION. Said accounting will identify the oversizing costs as well as any other costs described in Paragraph B.6 that are not the responsibility of COUNTY. In the event actual RELOCATION costs are less than the \$423,000 collected from COUNTY, DISTRICT shall refund the difference to COUNTY with the itemized accounting. In the event the actual RELOCATION costs are greater than the \$423,000 collected from COUNTY, DISTRICT shall notify the COUNTY of such costs. If an amendment that increases COUNTY’s share of costs of \$423,000 is approved by the parties pursuant to this Agreement, then COUNTY will pay the difference between \$423,000 and the amended amount within sixty (60) calendar days. Upon completion of RELOCATION, the ten percent (10%) charge for DISTRICT administrative costs is nonrefundable.
- B.12** In the event DISTRICT discovers hazardous materials as part of the RELOCATION within the COUNTY Highway right-of-way, the County and District shall determine the best course for remediation and disposal as required by the federal, state or local law. The cost of which shall be reimbursed by Change Order form in Exhibit "B" by County. In no event shall COUNTY be responsible for the identification and remediation of any hazardous materials, or the associated costs hereof, discovered outside of COUNTY Highway right-of-way, unless otherwise required by the federal, state or local law.
- B.13** DISTRICT shall not charge against the 10% contingency without COUNTY Director of Public Works’ written approval, which approval shall not be unreasonably withheld. DISTRICT shall email such a request to the COUNTY’s Director of the Department of Public Works. COUNTY shall have five (5) business days from receipt of a request to approve or disapprove such requests. In the event COUNTY disapproves of such requests within the five (5) business day period, COUNTY shall provide to DISTRICT within such five (5) day business period a detailed explanation as to why COUNTY disapproved of such request and what COUNTY reasonably requires in order to approve the request.
- B.14** Conduct inspections, including the final inspection, of the RELOCATION work and perform any necessary testing. Inspections and testing shall be included as a RELOCATION cost. The parties acknowledge that inspections are for the protection of DISTRICT’s interests and under no circumstances be construed to impose liability or responsibility of any nature on DISTRICT to any party other than COUNTY (if any). No contractor, subcontractor, materialmen, laborer, or any other person shall rely, or have a right to rely, upon any inspection by DISTRICT’s representative other than COUNTY.
- B.15** Submit a Notice of Completion to COUNTY within thirty (30) days of the completion of the RELOCATION work described herein.
- B.16** DISTRICT shall own the relocated DISTRICT FACILITIES. DISTRICT shall be responsible for lifetime maintenance, operation, protection of the DISTRICT FACILITIES and RELOCATION in accordance with any County, State, or Federal regulations. DISTRICT shall be solely responsible for any and all liabilities associated with any RELOCATION work and DISTRICT FACILITIES prior, during, and after completion of the RELOCATION of the DISTRICT FACILITIES.

**B.17** Accept all payments from COUNTY via electronic funds transfer (EFT) directly deposited into DISTRICT's designated checking or other bank account. DISTRICT shall promptly comply with directions and accurately complete forms provided by COUNTY required to process EFT payments.

**C. IT IS MUTUALLY AGREED:**

**C.1** DISTRICT agrees to indemnify, defend (with counsel approved by COUNTY) and hold harmless the COUNTY and its officers, employees, agents and volunteers from any and all claims, actions, losses, damages and/or liability resulting from the DISTRICT's negligent acts or omissions which arise from the DISTRICT's performance of its obligations under this Agreement.

COUNTY agrees to indemnify, defend (with counsel approved by DISTRICT) and hold harmless the DISTRICT and its officers, employees, agents and volunteers from any and all claims, actions, losses, damages and/or liability resulting from COUNTY's negligent acts or omissions which arise from the COUNTY's performance of its obligations under this Agreement.

In the event the COUNTY and/or DISTRICT is found to be comparatively at fault for any claim, action, loss or damage which results from their respective obligations under the Agreement, the COUNTY and/or DISTRICT shall indemnify the other to the extent of its comparative fault.

**C.2** In the event of any litigation or other action between the parties arising out of or relating to this Agreement or the breach thereof, each party shall bear its own costs, including attorney(s) fees. This paragraph does not apply to costs or attorney(s) fees relative to Paragraph C.1, indemnification.

**C.3** COUNTY is a self-insured public entity for purposes of Professional Liability, Automobile Liability, General Liability, and Workers' Compensation and warrants that through its program of self-insurance, it has adequate coverage or resources to protect against liabilities arising out of COUNTY's performance of this Agreement.

DISTRICT warrants that it has adequate coverage or resources to protect against liabilities arising out of DISTRICT's performance of this Agreement. DISTRICT is a member of the Association of California Water Agencies Joint Powers Insurance Authority ("JPIA"). The JPIA is a partnership of water agencies which provides risk sharing pools to meet the needs of its member agencies for property and liability purposes. DISTRICT has added to its policy through the JPIA, this Agreement. DISTRICT has concurrently herewith named COUNTY as an additional insured on such JPIA policy. DISTRICT agrees to cause the DISTRICT contractor to obtain and maintain general liability, automobile liability and workers compensation/employer liability coverage. The amounts and specific coverages are on file with the DISTRICT and copies of such insurance requirements will be provided to COUNTY upon written request. DISTRICT shall cause the COUNTY to be named as an additional insured on the general liability insurance and the automotive liability insurance and named as indemnified parties under all indemnifications, hold harmless provisions, waivers and releases in favor of DISTRICT

Waiver of Subrogation Rights – DISTRICT shall require the carriers of required coverages to waive all rights of subrogation against COUNTY, its officers, employees, agents, volunteers, contractors and subcontractors. All general or auto liability insurance coverage provided shall not prohibit DISTRICT and DISTRICT's employees or agents from waiving the right of subrogation prior to a loss or claim. DISTRICT hereby waives all rights of subrogation against COUNTY. Said obligations in regard to the waiver of subrogation rights shall also apply to COUNTY in the event COUNTY utilizes carriers of required coverages.

- C.4** This Agreement may be terminated by either party, with or without cause, upon thirty (30) days advance written notice to the other party, provided, however, that neither party may terminate this Agreement after DISTRICT has awarded a contract to construct the RELOCATION work. In the event of termination as provided herein, all PROJECT costs required to be paid by the COUNTY prior to the effective date of termination shall be paid by the COUNTY.
- C.5** This Agreement shall terminate upon receipt of a Notice of Completion of the PROJECT and satisfaction of Paragraph B.6, or July 11, 2025 (whichever occurs first). The obligations described in Paragraphs B.16, B.17, C.1 and C.2, shall survive termination of this Agreement.
- C.6** This Agreement contains the entire agreement of the parties with respect to subject matter hereof, and supersedes all prior negotiations, understandings, or agreements. No supplement, modification, or amendment of the Agreement shall be binding unless executed in writing and signed by both parties.
- C.7** This Agreement shall be governed by the laws of the State of California. Any action or proceeding between DISTRICT and COUNTY concerning the interpretation or enforcement of this Agreement, or which arises out of or is in any way connected with this Agreement or the PROJECT, shall be instituted and tried in the appropriate state court in the County of San Bernardino, California.
- C.8** The parties acknowledge that final RELOCATION COSTS may ultimately exceed the current estimate for RELOCATION COSTS. COUNTY shall be solely responsible for any additional RELOCATION COSTS associated with the RELOCATION due to any cause, including, but not limited to, unforeseen site conditions, increased bid prices, increased quantities and/or change orders over the estimated RELOCATION COSTS of \$423,000. If DISTRICT requests additional work that is beyond the scope of the original RELOCATION and COUNTY approves the additional work, said work will be paid solely by the DISTRICT.
- C.9** DISTRICT shall notify COUNTY of the bids received and the amounts thereof.
- C.10** In the event that change orders for the RELOCATION work are required during the course of the PROJECT, said change order must be in form and substance as set forth in the attached Exhibit "B" of this Agreement and approved by COUNTY and DISTRICT. Contract Change Order forms will be delivered by electronic mail and must be returned within five (5) working days. COUNTY shall not unreasonably withhold approval of change orders. If a COUNTY disapproved or modified change order is later found to be an additional cost for the RELOCATION, then COUNTY shall be responsible for such costs, awards, judgments or settlements associated with the disapproved or modified change order.
- C.11** Since the parties and their agents have participated fully in the preparation of this Agreement, the language of this Agreement shall be construed simply, according to its fair meaning, and not strictly for any or against any party. Unless otherwise provided, any term referencing time, days, or period for performance shall be deemed work days. The captions of the various articles and paragraphs are for convenience and ease of reference only, and do not define, limit, augment, or describe the scope, content, or intent of this Agreement.
- C.12** No waiver of any default shall constitute a waiver of any other default or breach, whether of the same or other covenant or condition. No waiver, benefit, privilege, or service voluntarily given or performed by a party shall give the other party any contractual rights by custom, estoppels, or otherwise.
- C.13** If a court of competent jurisdiction declares any portion of this Agreement invalid, illegal, or otherwise unenforceable, the remaining provisions shall continue in full force and effect, unless the purpose of this Agreement is frustrated.
- C.14** Nothing contained in this Agreement shall be construed as a relinquishment of any rights now held by the DISTRICT or COUNTY.
- C.15** This Agreement will be effective on the date it is signed by all parties.
- C.16** The Recitals of this Agreement are incorporated herein by reference.



- C.17** This Agreement , including all Attachment, Exhibits and other attachments, which are attached hereto and incorporated by reference, and other documents incorporated herein, 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. Each party has carefully read this Agreement and signs the same of its own free will.
- C.18** 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.

[Signatures on next page]

**NOT FOR BID**

**IN WITNESS WHEREOF**, the San Bernardino County and Consultant have each caused this Contract to be subscribed by its respective duly authorized officers, on its behalf.

SAN BERNARDINO COUNTY

West Valley Water District

\_\_\_\_\_  
*(Print or type name of corporation, company, contractor, etc.)*

►  
\_\_\_\_\_  
Dawn Rowe, Chair, Board of Supervisors

By ► \_\_\_\_\_  
*(Authorized signature – sign in blue ink)*

Dated: \_\_\_\_\_  
SIGNED AND CERTIFIED THAT A COPY OF THIS  
DOCUMENT HAS BEEN DELIVERED TO THE  
CHAIRMAN OF THE BOARD

Name \_\_\_\_\_  
*(Print or type name of person signing contract)*

Lynna Monell  
Clerk of the Board of Supervisors  
of the San Bernardino County

Title \_\_\_\_\_  
*(Print or Type)*

By \_\_\_\_\_  
Deputy

Dated: \_\_\_\_\_

Address \_\_\_\_\_  
\_\_\_\_\_

**NOT FOR BID**

**FOR COUNTY USE ONLY**

Approved as to Legal Form  
► \_\_\_\_\_  
Aaron Gest, Deputy County Counsel  
Date \_\_\_\_\_

Reviewed for Contract Compliance  
► \_\_\_\_\_  
Andy Silao, P.E.  
Date \_\_\_\_\_

Reviewed/Approved by Department  
► \_\_\_\_\_  
Brendon Biggs, Director  
Date \_\_\_\_\_

EXHIBIT A

ESTIMATE OF PROJECT COSTS

**NOT FOR BID**

EXHIBIT B

CONTRACT CHANGE ORDER REVIEW/APPROVAL

PROJECT: Bloomington Avenue Road Reconstruction and Drainage Improvements

COUNTY OF SAN BERNARDINO CONTRACT # XX-XXXX

File: TX1795 (Yard 3, Bloomington Ave)

Proposed Contract Change Order No. \_\_\_\_\_ has been reviewed in accordance with the existing agreements with the West Valley Water District (District) and County of San Bernardino for the above project and the following shall apply:

DATE OF \_\_\_\_\_ ACTION: \_\_\_/\_\_\_/\_\_\_

- APPROVED for Implementation with 100% Participation by \_\_\_\_\_
- APPROVED Subject to Comments/Revisions Accompanying This Document
- APPROVED With Limited Funding Participation by \_\_\_\_\_
  - \_\_\_\_\_ % of Actual Cost to be Funded by \_\_\_\_\_
  - \_\_\_\_\_ Participation Not to Exceed \$ \_\_\_\_\_
- DISAPPROVED -Not Acceptable to \_\_\_\_\_

**Note: Approval under any of the above conditions shall in no case be construed as agreement to increase the total financial participation beyond that prescribed in the existing District and County agreement without a separate amendment to said agreement. Net increases in costs deriving from this and previously approved Contract Change Orders shall not cause the total construction costs to exceed the sum of the authorized contract total and contingency amounts.**

Comments, as follows and/or attached, are conditions of the above action?  YES  NO

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SIGNED: \_\_\_\_\_

TITLE: \_\_\_\_\_

Distribution:  
Signed Original Returned to Resident Engineer  
Signed Original for \_\_\_\_\_ File

**REPORT/RECOMMENDATION TO THE BOARD OF SUPERVISORS  
OF SAN BERNARDINO COUNTY  
AND RECORD OF ACTION**

**August 9, 2022**

**FROM**

**TERRY W. THOMPSON, Director, Real Estate Services Department  
BRENDON BIGGS, Director, Department of Public Works - Transportation**

**SUBJECT**

Appraisal and Acquisition of Permanent and Temporary Construction Easements for the Bloomington Avenue Pavement and Storm Drain Improvement Project in the Unincorporated Area of Bloomington

**RECOMMENDATION(S)**

1. Approve Appraisal Nos. 22-36 through 22-45, copies of which are on file with the Real Estate Services Department.
2. Authorize the acquisition of one permanent roadway easement and 10 temporary construction easements for six months, from November 1, 2022 to April 30, 2023, with one six month option to extend for each temporary construction easement, collectively on portions of 10 parcels, from 10 property ownership groups for the Bloomington Avenue Pavement and Storm Drain Improvement Project in the unincorporated area of Bloomington.
3. Approve the Acquisition Agreement Template for the easement interests with the 10 property ownership groups.
4. Authorize the Director of the Real Estate Services Department to:
  - a. Complete and execute Acquisition Agreements, which will conform to the approved Acquisition Agreement Template, for the easement interests with the 10 property ownership groups, for a not to exceed amount of \$23,000, which includes the appraised just compensation and a 10% contingency amount, plus \$500 per property for an option to extend the temporary construction easements by an additional six months, and accept the acquisition of one permanent roadway easement and 10 temporary construction easements.
  - b. Approve and execute any other documents necessary to complete these transactions, subject to County Counsel review.

(Presenter: Terry W. Thompson, Director, 387-5000)

**COUNTY AND CHIEF EXECUTIVE OFFICER GOALS & OBJECTIVES**

**Ensure Development of a Well-Planned, Balanced, and Sustainable County.  
Provide for the Safety, Health and Social Service Needs of County Residents.**

**FINANCIAL IMPACT**

Approval of this item will not result in the use of Discretionary General Funding (Net County Cost). The Department of Public Works, Transportation Division (DPW-T) is funded by Gas Tax revenues, fee revenue, and other state and local funding. The Bloomington Avenue Pavement and Storm Drain Improvement Project (Project) is funded with Gas Tax and San Bernardino Valley Measure I revenue. The total cost to acquire one permanent easement and 10

**Appraisal and Acquisition of Permanent and Temporary Construction Easements for the Bloomington Avenue Pavement and Storm Drain Improvement Project in the Unincorporated Area of Bloomington August 9, 2022**

temporary construction easements (TCEs) is estimated to be \$16,300 plus an approximate 10% contingency amount for potential administrative settlements, and an additional \$500 per property for an option to extend the TCEs by an additional six months, for a potential aggregate cost not to exceed \$23,000 (rounded). Sufficient appropriation and revenue are included in the DPW-T's 2022-23 Road Operations budget (6650002000 14H15195).

**BACKGROUND INFORMATION**

Approval of this item will authorize the acquisition of a permanent roadway easement and TCEs on portions of 10 parcels (Assessor Parcel Numbers (APNs) identified in the table below), located in the unincorporated Bloomington area for the Project, which involves pavement reconstruction; roadway reprofiling; replacement of the existing catch basin; construction of new catch basins; replacement of approximately 800 feet of existing storm drain; construction of new curb, gutter, sidewalk and driveway approaches; construction of new and upgrade of existing curb ramps to meet current Americans with Disabilities Act guidelines, and signing and striping improvements.

DPW-T requires one permanent roadway easement totaling five square feet and 10 TCEs totaling 2,987 square feet across 10 properties to complete the project. DPW-T has requested assistance from the Real Estate Services Department (RESD) in the appraisal and acquisition of right of way required for the Project.

The portions of land to be acquired from the parcels are described as follows:

<u>Property Owner/Last Name</u>	<u>Exhibit No. and Type of Easement</u>	<u>APN</u>	<u>Total Area to be Acquired (sq. ft.)</u>
Herrera	E-1 (Permanent) & TCE-1 (Temporary)	0253-081-10	5 222
Sepulveda	TCE-2 (Temporary)	0253-081-11	117
Hurtado	TCE-3 (Temporary)	0253-081-13	104
Benavides	TCE-4 (Temporary)	0253-081-14	111
Madriz	TCE-5 (Temporary)	0253-082-02	475
Suarez	TCE-6 (Temporary)	0253-082-03	180
Aguilar	TCE-7 (Temporary)	0253-082-04	525
Garcia	TCE-8 (Temporary)	0253-082-05	375
Lopez	TCE-9 (Temporary)	0253-082-19	383
Garcia	TCE-10 (Temporary)	0253-082-08	495

RESD reviewed the Project with DPW-T and initiated the appraisal of the property interests under the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended, Government Code section 7260 et seq., corresponding regulations, and County Policy No. 12-20, for acquisition of property rights for a public project.

Appraisal Nos. 22-36 through 22-45, copies of which are on file with the RESD, were professionally reviewed and approved by qualified RESD staff. The appraisals establish the amounts of just compensation to be paid to the 10 property owners for the easement interests necessary to construct the Project. RESD recommends that the appraisals and just compensation amounts be approved, and that written offers be made to the impacted property owners.

**Appraisal and Acquisition of Permanent and Temporary Construction Easements for the Bloomington Avenue Pavement and Storm Drain Improvement Project in the Unincorporated Area of Bloomington August 9, 2022**

Upon approval, the Director of RESD will complete and execute Acquisition Agreements for the easement interests with the 10 property ownership groups for a not to exceed amount of \$23,000, which includes the appraised just compensation and an approximate 10% contingency amount, plus \$500 per property for an option to extend the TCEs by an additional six months. In addition, the Director of RESD will accept the acquisition of one permanent roadway easement and 10 TCEs. Lastly, this item allows the Director of RESD to approve and execute any other documents necessary to complete these transactions, subject to County Counsel review. RESD will maintain these documents in its files.

On January 25, 2022 (Item No. 39), the Board of Supervisors (Board) approved the Project and considered a categorical exemption in accordance with the California Environmental Quality Act (CEQA). The Clerk of the Board was directed to file and post a Notice of Exemption. Accordingly, no further action is required under CEQA.

**PROCUREMENT**

RESD can make offers and acquire the necessary right of way in conformance with all applicable provisions of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended, Government Code section 7260 et seq., corresponding regulations, and County Policy No. 12-20.

**REVIEW BY OTHERS**

This item has been reviewed by County Counsel (Scott Runyan, Principal Assistant County Counsel, and Aaron Gest, Deputy County Counsel, 387-5455) on July 18, 2022; Public Works (Mervat Mikhail, Interim Deputy Director, 387-7916) on June 29, 2022; Purchasing (Bruce Cole, Supervising Buyer, 387-2148) on June 22, 2022; Finance (Carl Lofton, Administrative Analyst, 387-5404) on July 22, 2022; and County Finance and Administration (Valerie Clay, Deputy Executive Officer, 387-5423) on July 23, 2022.

(BF: 361-8976)

**NOT FOR BID**

**Appraisal and Acquisition of Permanent and Temporary Construction Easements for the Bloomington Avenue Pavement and Storm Drain Improvement Project in the Unincorporated Area of Bloomington August 9, 2022**

Record of Action of the Board of Supervisors  
San Bernardino County

**APPROVED (CONSENT CALENDAR)**

Moved: Dawn Rowe Seconded: Col. Paul Cook (Ret.)  
Ayes: Col. Paul Cook (Ret.), Janice Rutherford, Dawn Rowe, Curt Hagman, Joe Baca, Jr.

Lynna Monell, CLERK OF THE BOARD

BY  \_\_\_\_\_  
DATED: August 9, 2022



cc: File - Real Estate Services //attach //map  
CCM 08/15/2022

**NOT FOR BID**



RECORDING REQUESTED BY:  
San Bernardino County  
Department of Public Works

WHEN RECORDED MAIL DOCUMENT  
and TAX STATEMENT TO:  
San Bernardino County  
Department of Public Works  
825 East Third Street, Room 145  
San Bernardino, CA 92415-0835

RECORDER:  
Record without fee subject to Govt. Code 6103  
Recordation required to complete chain of title

A.P.N. 0253-081-10 (ptn)

**GRANT OF EASEMENT**

Dept. Code : 11700 (Transportation)

The undersigned grantor(s) declare(s):

DOCUMENTARY TRANSFER TAX: \$0.00

- computed on full value of property conveyed, or
- computed on full value less liens and encumbrances remaining at the time of sale
- Unincorporated Area  City of \_\_\_\_\_

Abel Herrera and RosaEvelia Herrera, Husband and wife, as joint tenants

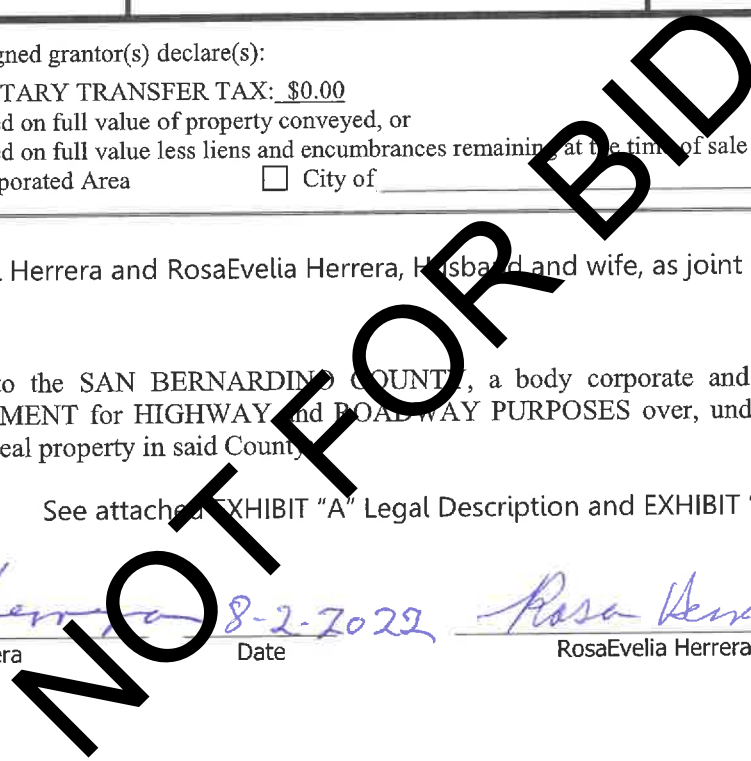
hereby GRANT(S) to the SAN BERNARDINO COUNTY, a body corporate and politic of the State of California, an EASEMENT for HIGHWAY and ROADWAY PURPOSES over, under, along and across the following described real property in said County

See attached EXHIBIT "A" Legal Description and EXHIBIT "B" Plat

Abel Herrera 8-2-2022  
Abel Herrera Date

RosaEvelia Herrera  
RosaEvelia Herrera

8-2-2022  
Date



This is to certify that the interest in real property conveyed by the within instrument to the County of San Bernardino, a body corporate and politic of the State of California, is hereby accepted by the undersigned officer/agent on behalf of the Board of Supervisors pursuant to authority conferred by resolution of the Board of Supervisors adopted on March 27, 2012 and the Grantee consents to recordation thereof by its duly authorized officer/agent.

By: \_\_\_\_\_ Date: \_\_\_\_\_  
Terry W. Thompson, Director  
Real Estate Services Department

Township: 1 S Range: 5 W Section: 22  
 Geo Index: 4016 Sect.: 22 Quad.: 2  
 Road Name(s): Bloomington Avenue and Vine Street  
 Project: Bloomington Avenue Pavement & Storm Drain Project  
 Work Order No. : H15195  
 Parcel No. (s) : E - 1  
 A.P.N. (s) : 0253-081-10 (ptn)

CALIFORNIA 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 San Bernardino }

On August 2, 2022 before me, Catherine Zabloudil, Notary Public
Date Here Insert Name and Title of the Officer

personally appeared Abel Garcia Herrera &
Name(s) of Signer(s)
Rosa Evelia Herrera

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 [Handwritten Signature]
Signature of Notary Public

Place Notary Seal and/or Stamp Above

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: Grant of Easement
Document Date: N/A Number of Pages: 3
Signer(s) Other Than Named Above: N/A

Capacity(ies) Claimed by Signer(s)
Signer's Name: Abel Garcia Herrera Signer's Name: Rosa Evelia Herrera
[ ] 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
[X] Other: Tenant [X] Other: Tenant
Signer is Representing: Signer is Representing:

**EXHIBIT "A"**  
LEGAL DESCRIPTION  
**RIGHT OF WAY DEDICATION**  
APN: 0253-081-10-0-000

THE LAND REFERRED TO HEREON IS SITUATED IN THE UNINCORPORATED AREA OF BLOOMINGTON, COUNTY OF SAN BERNARDINO STATE OF CALIFORNIA, BEING A PORTION OF LOT 27, BLOCK N, BLOOMINGTON VILLA LOTS, RESUBDIVISION OF TOWNSITE OF BLOOMINGTON, AS PER MAP RECORDED IN BOOK 19, PAGE 27 OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE WEST CORNER OF SAID LOT 27, THENCE NORTHEASTERLY ALONG THE NORTHWESTERLY LINE OF SAID LOT 27, 3.00 FEET;

THENCE LEAVING SAID NORTHWESTERLY LINE AND ON SOUTHERLY DIRECTON 4.2 FEET PLUS OR MINUS TO THE SOUTHWESTERLY LINE OF SAID LOT 27, SAID POINT BEING 3.00 FEET FROM SAID WEST CORNER OF LOT 27.

THENCE ALONG SAID SOUTHWESTERLY LINE 3.00 FEET TO THE POINT OF BEGINNING.

THE ABOVE DESCRIBED PARCEL OF LAND CONTAINS 5 SQUARE FEET MORE OR LESS.

ALL AS SHOWN ON EXHIBIT "B" PLOT ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.

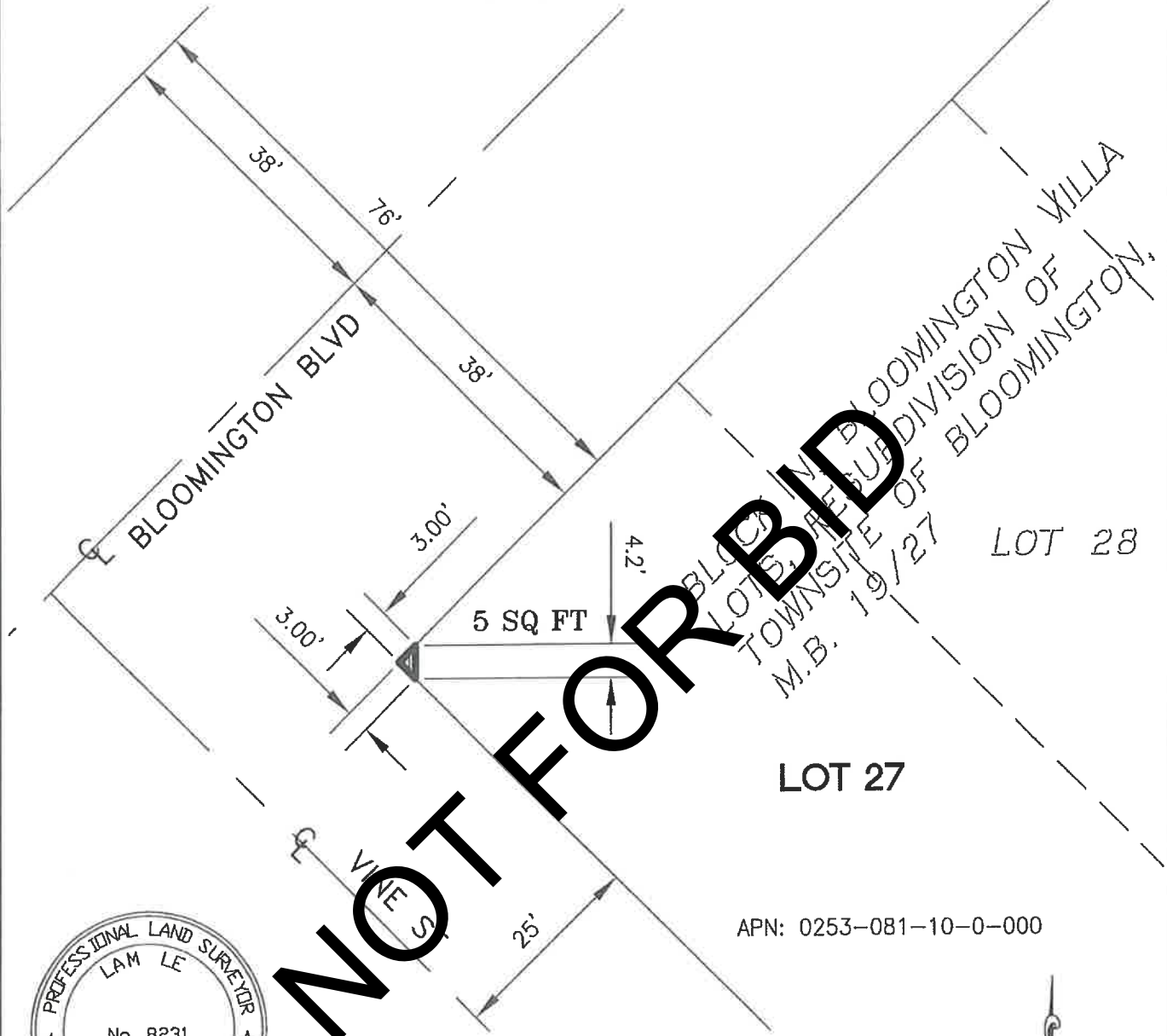
PREPARED BY:

  
LAM LE, P.L.S. No. 8231

December 21, 2021  
DATE



# EXHIBIT "B"



*[Signature]*  
LAM LE "LS 8231"

**NOT FOR BID**


BLOCK N, BLOOMINGTON VILLA  
LOTS, RESUBDIVISION OF  
TOWNSITE OF BLOOMINGTON,  
M.B. 19/27

LOT 27

LOT 28

APN: 0253-081-10-0-000

**LEGEND:**

 INDICATES AREAS FOR RIGHT OF WAY DEDICATION.



Scale: 1"=30'

<p>Prepared in the office of <b>CL SURVEYING &amp; MAPPING</b> 400 EAST RINCON ST., SUITE 202 CORONA, CA 92879 Tel (909) 484-4200 Fax (909) 484-4229</p>	<p>SAN BERNARDINO COUNTY, CALIFORNIA</p>	
	<p><b>RIGHT OF WAY DEDICATION</b> PORTION OF LOT 27, BLOCK N, BLOOMINGTON VILLA LOTS, RESUBDIVISION OF TOWNSITE OF BLOOMINGTON, RECORDED IN BOOK 19, PAGE 27 OF MAPS, COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA.</p>	<p>SHEET <b>1</b> OF <b>1</b></p> <p>JOB No. 2020-KOA-01</p>

RECORDING REQUESTED BY:

San Bernardino County  
Department of Public Works  
825 East Third Street, Room 145  
San Bernardino, CA 92415-0835

WHEN RECORDED MAIL TO:

Same as above

RECORDER:

Record without fee subject to Govt. Code 6103  
Recordation required to complete chain of title

UNINCORPORATED AREA	<b>TEMPORARY CONSTRUCTION EASEMENT</b>	DOCUMENT TRANSFER TAX \$ 0.00
A.P.N. 0253-081-10 (ptn)		Dept. Code : 11700 (Transportation )

Abel Herrera and Rosa Evelia Herrera, Husband and wife, as joint tenants

hereby GRANT(S) to SAN BERNARDINO COUNTY, a body corporate and politic of the State of California, a TEMPORARY CONSTRUCTION EASEMENT for construction purposes over, under and across the following described real property in said County:

SEE EXHIBIT "A" LEGAL DESCRIPTION AND EXHIBIT "B" PLAT ATTACHED.

This Temporary Construction Easement shall remain in effect for a period of 6 months, commencing upon the beginning date of construction November 1, 2022 for said purposes and terminating upon completion of the project known as Bloomington Avenue Pavement & Storm Drain Project, but terminating no later than April 30, 2023. Grantee shall have the option exercisable upon notice to grantor at any time prior to April 30, 2023, to extend for an additional six (6) months, commencing May 1, 2023 and terminating no later than October 30, 2023.

It is understood that in the event the grantor(s) plan to sell, lease or rent the grantor's property prior to the final expiration date of this temporary construction easement, the grantor(s) shall inform, in writing, any and all parties involved in the sale, lease, or rental of this temporary construction easement and associated construction project.

Abel Herrera and Rosa Evelia Herrera, Husband and wife, as joint tenants

Abel Herrera 8-2-2022  
Name: Abel Herrera Date  
Title:

Rosa Herrera 8-2-2022  
Name: Rosa Evelia Herrera Date  
Title:

This is to certify that the interest in real property conveyed by the within instrument to San Bernardino County, a body corporate and politic of the State of California, is hereby accepted by the undersigned officer/agent on behalf of the Board of Supervisors pursuant to authority conferred by resolution of the Board of Supervisors adopted on March 27, 2012 and the Grantee consents to recordation thereof by its duly authorized officer/agent.

By: \_\_\_\_\_ Date: \_\_\_\_\_  
Terry W. Thompson, Director  
Real Estate Services Department

Township: 1 S Range: 5 W Section: 22  
Geo Index: 4016 Sect.: 22 Quad.: 2  
Road Name(s) : Bloomington Avenue at Vine Street  
Project: Bloomington Avenue Pavement & Storm Drain Project  
Work Order No. : H15195  
Parcel No. (s) : TCE - 01  
A.P.N. (s) : 0253-081-10 (ptn)

MAIL TAX STATEMENTS TO PARTY SHOWN ON FOLLOWING LINE

Not Applicable

Name Street Address City & State



CALIFORNIA 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 San Bernardino

On August 2, 2022 before me, Catherine Zabloudil, Notary Public
Date Here Insert Name and Title of the Officer

personally appeared Abel Garcia Herrera + Rosa Evelia Herrera
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.

Signature [Handwritten Signature]
Signature of Notary Public

Place Notary Seal and/or Stamp Above

OPTIONAL

Completing this information can deter alteration of the document or for future reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: Temporary Construction Easement
Document Date: N/A Number of Pages: 3
Signer(s) Other Than Named Above: N/A

Capacity(ies) Claimed by Signer(s)

Signer's Name: Abel Garcia Herrera Signer's Name: Rosa Evelia Herrera
[Capacity checkboxes: Corporate Officer, Partner, Individual, Trustee, Other: Tenant]
Signer is Representing:

**EXHIBIT "A"**  
LEGAL DESCRIPTION  
**TEMPORARY CONSTRUCTION EASEMENT**  
APN: 0253-081-10-0-000

THE LAND REFERRED TO HEREON IS SITUATED IN THE UNINCORPORATED AREA OF BLOOMINGTON, COUNTY OF SAN BERNARDINO STATE OF CALIFORNIA, BEING A PORTION OF LOT 27, BLOCK N, BLOOMINGTON VILLA LOTS, RESUBDIVISION OF TOWNSITE OF BLOOMINGTON, AS PER MAP RECORDED IN BOOK 19, PAGE 27 OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THE NORTHWESTERLY 4.00 FEET OF SAID LOT 28.

THE SOUTHWESTERLY 2.00 FEET OF THE NORTHWESTERLY 17.50 FEET OF SAID LOT 28. EXCEPTING THE ABOVE MENTIONED NORTHWESTERLY 4.00 FEET.

EXCEPTING THAT PORTION DESCRIBED AS FOLLOWS:  
BEGINNING AT THE WEST CORNER OF SAID LOT 27, THENCE NORTHEASTERLY ALONG THE NORTHWESTERLY LINE OF SAID LOT 27, 3.00 FEET; THENCE LEAVING SAID NORTHWESTERLY LINE AND ON SOUTHERLY DIRECTON 4.2 FEET PLUS OR MINUS TO THE SOUTHWESTERLY LINE OF SAID LOT 27, SAID POINT BEING 3.00 FEET FROM SAID WEST CORNER OF LOT 27. THENCE ALONG SAID SOUTHWESTERLY LINE 3.00 FEET TO THE POINT OF BEGINNING.

THE ABOVE DESCRIBED PARCEL OF LAND CONTAINS 222 SQUARE FEET MORE OR LESS.

ALL AS SHOWN ON EXHIBIT "B" PLOT ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.

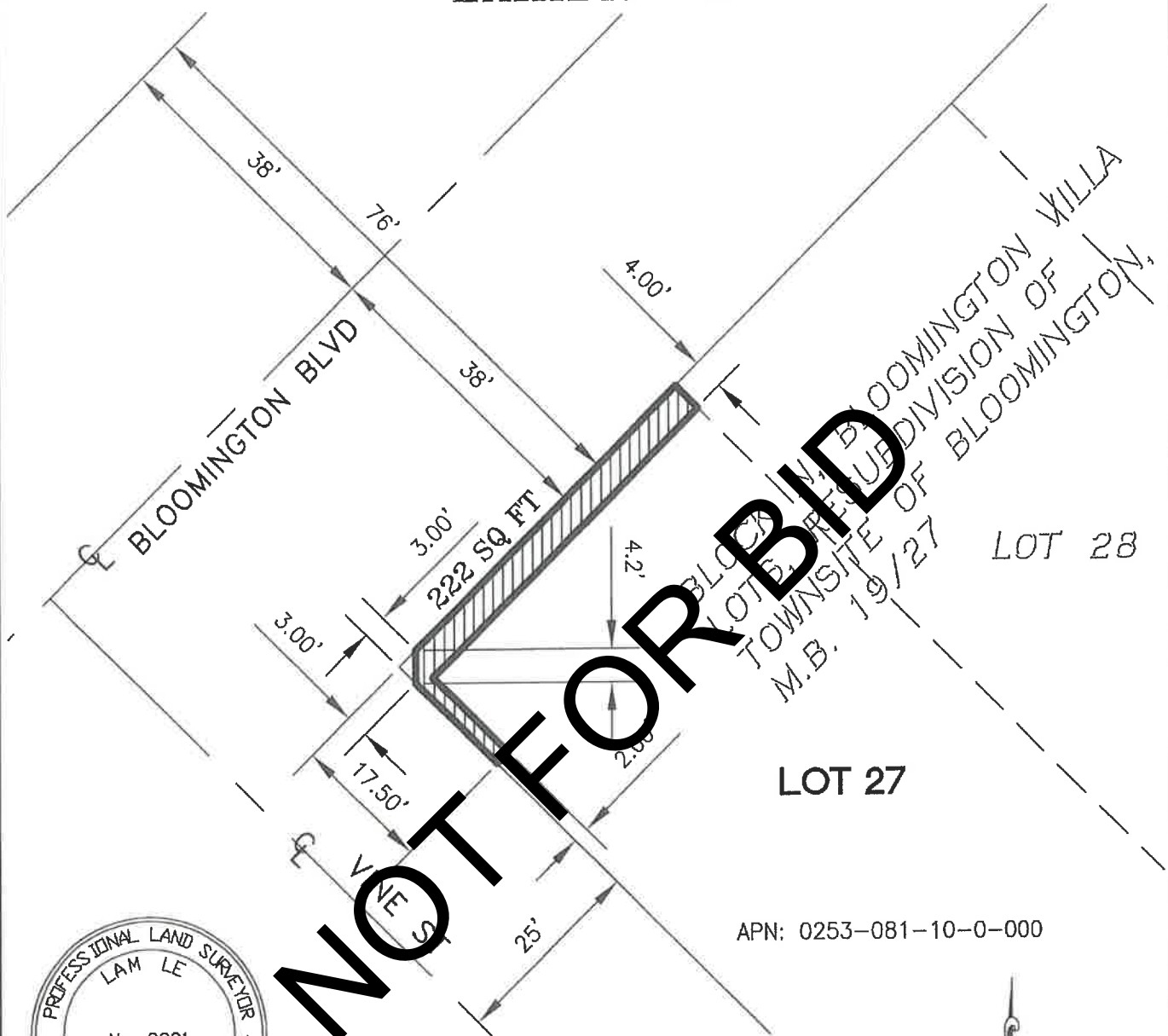
PREPARED BY:

  
LAM LE, P.L.S. No. 8231



December 21, 2021  
DATE

# EXHIBIT "B"



NOT FOR BID

BLOCK N, BLOOMINGTON VILLA  
 LOTS, RESUBDIVISION OF  
 TOWNSITE OF BLOOMINGTON,  
 M.B. 19/27 LOT 28

LOT 27

APN: 0253-081-10-0-000



*J.S.*  
 LAM LE "LS 8231"

**LEGEND:**

INDICATES AREAS FOR  
 TEMPORARY CONSTRUCTION  
 EASEMENT.

Scale: 1"=30'

<p><i>Prepared in the office of</i>  <b>CL SURVEYING &amp; MAPPING</b>                  400 EAST RINCON ST., SUITE 202                  CORONA, CA 92879                  Tel (909) 484-4200                  Fax (909) 484-4229</p>	<p><b>SAN BERNARDINO COUNTY, CALIFORNIA</b></p>	
	<p><b>TEMPORARY CONSTRUCTION EASEMENT</b>                  PORTION OF LOT 27, BLOCK N, BLOOMINGTON VILLA LOTS,                  RESUBDIVISION OF TOWNSITE OF BLOOMINGTON, RECORDED                  IN BOOK 19, PAGE 27 OF MAPS, COUNTY OF SAN                  BERNARDINO, STATE OF CALIFORNIA.</p>	<p>SHEET  <b>1</b>                  OF <b>1</b>                  JOB No.                  2020-KOA-01</p>



RECORDING REQUESTED BY:

San Bernardino County  
Department of Public Works  
825 East Third Street, Room 145  
San Bernardino, CA 92415-0835

WHEN RECORDED MAIL TO:

Same as above

RECORDER:

Record without fee subject to Govt. Code 6103  
Recordation required to complete chain of title

UNINCORPORATED AREA	<b>TEMPORARY CONSTRUCTION EASEMENT</b>	DOCUMENT TRANSFER TAX \$ 0.00
A.P.N. 0253-081-11 (ptn)		Dept. Code : 11700 (Transportation )

Emanuel Sepulveda, a Single Man

hereby GRANT(S) to SAN BERNARDINO COUNTY, a body corporate and politic of the State of California, a TEMPORARY CONSTRUCTION EASEMENT for construction purposes over, under and across the following described real property in said County:

SEE EXHIBIT "A" LEGAL DESCRIPTION AND EXHIBIT "B" PLAT ATTACHED.

This Temporary Construction Easement shall remain in effect for a period of 6 months, commencing upon the beginning date of construction November 1, 2022 for said purposes and terminating upon completion of the project known as Bloomington Avenue Pavement & Storm Drain Project, but terminating no later than April 30, 2023. Grantee shall have the option, exercisable upon notice to grantor at any time prior to April 30, 2023, to extend for an additional six (6) months, commencing May 1, 2023 and terminating no later than October 30, 2023.

It is understood that in the event the grantor(s) plan to sell, lease or rent the grantor's property prior to the final expiration date of this temporary construction easement, the grantor(s) shall inform, in writing, any and all parties involved in the sale, lease, or rental of this temporary construction easement and associated construction project.

Emanuel Sepulveda, a Single Man

Emanuel Sepulveda 10/11/22  
 Name: Emanuel Sepulveda Date  
 Title:

\_\_\_\_\_  
 Name: \_\_\_\_\_ Date  
 Title:

This is to certify that the interest in real property conveyed by the within instrument to San Bernardino County, a body corporate and politic of the State of California, is hereby accepted by the undersigned officer/agent on behalf of the Board of Supervisors pursuant to authority conferred by resolution of the Board of Supervisors adopted on March 27, 2012 and the Grantee consents to recordation thereof by its duly authorized officer/agent.

By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Terry W. Thompson, Director  
 Real Estate Services Department

Township: 1 S Range: 5 W Section: 22  
 Geo Index: 4016 Sect.: 22 Quad.: 2  
 Road Name(s) : Bloomington Avenue at Vine Street  
 Project: Bloomington Avenue Pavement & Storm Drain Project  
 Work Order No. : H15195  
 Parcel No. (s) : TCE - 02  
 A.P.N. (s) : 0253-081-11 (ptn)

MAIL TAX STATEMENTS TO PARTY SHOWN ON FOLLOWING LINE

Not Applicable		
Name	Street Address	City & State

**CALIFORNIA 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 SAN BERNARDINO

On OCTOBER 11, 2022 before me, KAREN A DAMAYANDI, NOTARY PUBLIC  
Date Here Insert Name and Title of the Officer  
personally appeared EMANUEL SEPULVEDA  
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.

Signature Karen A. Damayandi  
Signature of Notary Public

Place Notary Seal and/or Stamp Above

**OPTIONAL**

Completing this information can deter alteration of the document or  
frustrate attachment of this form to an unintended document.

**Description of Attached Document**  
Title or Type of Document: TEMPORARY CONSTRUCTION EASEMENT  
Document Date: OCTOBER 11, 2022 Number of Pages: \_\_\_\_\_  
Signer(s) Other Than Named Above: N/A

**Capacity(ies) Claimed by Signer(s)**  
Signer's Name: EMANUEL SEPULVEDA Signer's Name: N/A  
 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: \_\_\_\_\_

**EXHIBIT "A"**  
LEGAL DESCRIPTION  
**TEMPORARY CONSTRUCTION EASEMENT**  
APN: 0253-081-11-0-000

THE LAND REFERRED TO HEREON IS SITUATED IN THE UNINCORPORATED AREA OF BLOOMINGTON, COUNTY OF SAN BERNARDINO STATE OF CALIFORNIA, BEING A PORTION OF LOT 28, BLOCK N, BLOOMINGTON VILLA LOTS, RESUBDIVISION OF TOWNSITE OF BLOOMINGTON, AS PER MAP RECORDED IN BOOK 19, PAGE 27 OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THE NORTHWESTERLY 6.00 FEET OF THE SOUTHWESTERLY 12.50 FEET OF SAID LOT 28.

THE ABOVE DESCRIBED PARCEL OF LAND CONTAINS 117 SQUARE FEET MORE OR LESS.

ALL AS SHOWN ON EXHIBIT "B" PLOT ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.

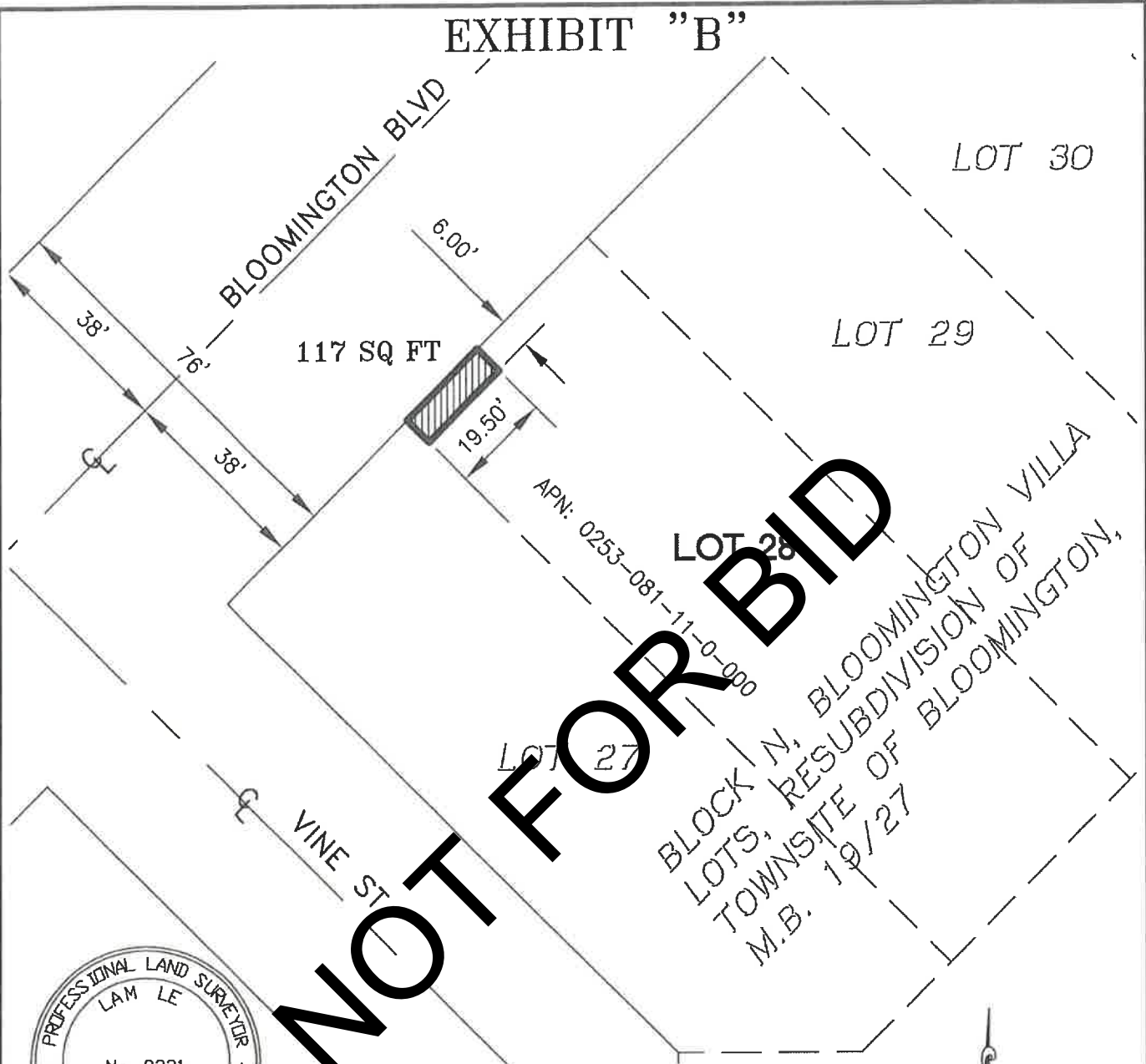
PREPARED BY:

  
LAML E, P.L.S. No. 8231



December 21, 2021  
DATE

EXHIBIT "B"



**NOT FOR BID**

BLOCK N, BLOOMINGTON VILLA  
LOTS, RESUBDIVISION OF  
TOWNSITE OF BLOOMINGTON,  
M.B. 19/27



*J.J.*

LAM LE "LS 8231"

LEGEND:



INDICATES AREAS FOR  
TEMPORARY CONSTRUCTION  
EASEMENT.

Scale: 1"=30'

Prepared in the office of

**CL SURVEYING & MAPPING**

400 EAST RINCON ST., SUITE 202  
CORONA, CA 92879  
Tel (909) 484-4200  
Fax (909) 484-4229

SAN BERNARDINO COUNTY, CALIFORNIA

TEMPORARY CONSTRUCTION EASEMENT  
PORTION OF LOT 28, BLOCK N, BLOOMINGTON VILLA LOTS,  
RESUBDIVISION OF TOWNSITE OF BLOOMINGTON, RECORDED  
IN BOOK 19, PAGE 27 OF MAPS, COUNTY OF SAN  
BERNARDINO, STATE OF CALIFORNIA.

SHEET  
**1**  
OF **1**

JOB No.  
2020-KOA-01

RECORDING REQUESTED BY:

San Bernardino County  
Department of Public Works  
825 East Third Street, Room 145  
San Bernardino, CA 92415-0835

WHEN RECORDED MAIL TO:

Same as above

RECORDER:

Record without fee subject to Govt. Code 6103  
Recordation required to complete chain of title

UNINCORPORATED AREA	<b>TEMPORARY CONSTRUCTION EASEMENT</b>	DOCUMENT TRANSFER TAX \$ 0.00
A.P.N. 0253-081-14 (ptn)		Dept. Code : 11700 (Transportation)

Marcos Luis Benavides, a single man and Cecilia Brenda Benavides, a single woman,  
as Joint Tenants

hereby GRANT(S) to SAN BERNARDINO COUNTY, a body corporate and politic of the State of California, a  
TEMPORARY CONSTRUCTION EASEMENT for construction purposes over, under and across the following  
described real property in said County:

SEE EXHIBIT "A" LEGAL DESCRIPTION AND EXHIBIT "B" PLAT ATTACHED.

This Temporary Construction Easement shall remain in effect for a period of 6 months, commencing upon  
the beginning date of construction November 1, 2022 for said purposes and terminating upon completion of  
the project known as Bloomington Avenue Pavement & Storm Drain Project, but terminating no later than  
April 30, 2023. Grantee shall have the option exercisable upon notice to grantor at any time prior to April 30,  
2023, to extend for an additional six (6) months, commencing May 1, 2023 and terminating no later than  
October 30, 2023.

It is understood that in the event the grantor(s) plan to sell, lease or rent the grantor's property prior to the  
final expiration date of this temporary construction easement, the grantor(s) shall inform, in writing, any  
and all parties involved in the sale, lease, or rental of this temporary construction easement and  
associated construction project.

Marcos Luis Benavides, a single man and Cecilia Brenda Benavides, a single woman, as Joint Tenants



Name: Marcos Luis Benavides  
Title:

Date

 11/3/22

Name: Cecilia Brenda Benavides  
Title:

Date

This is to certify that the interest in real property conveyed by the  
within instrument to San Bernardino County, a body corporate and  
politic of the State of California, is hereby accepted by the  
undersigned officer/agent on behalf of the Board of Supervisors  
pursuant to authority conferred by resolution of the Board of  
Supervisors adopted on March 27, 2012 and the Grantee consents to  
recordation thereof by its duly authorized officer/agent.

By: \_\_\_\_\_ Date: \_\_\_\_\_

Terry W. Thompson, Director  
Real Estate Services Department

Township: 1 S Range: 5 W Section: 22  
Geo Index: 4016 Sect.: 22 Quad.: 2  
Road Name(s) : Bloomington Avenue  
Project: Pavement & Storm Drain Project  
Work Order No. : H15195  
Parcel No. (s) : TCE - 04  
A.P.N. (s) : 0253-081-14 (ptn)

MAIL TAX STATEMENTS TO PARTY SHOWN ON FOLLOWING LINE

Not Applicable

Name

Street Address

City & State



**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 San Bernardino )

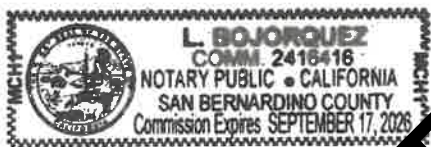
On November 3, 2022 before me, L. Bo Jorquez, Notary Public,  
Date Here Insert Name and Title of the Officer

personally appeared Cecilia Brenda Benavides  
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.



Signature [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: Temporary Construction Easement

Document Date: 11.3.2022 Number of Pages: 4

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: \_\_\_\_\_

**EXHIBIT "A"**  
**LEGAL DESCRIPTION**  
**TEMPORARY CONSTRUCTION EASEMENT**

APN: 0253-081-14-0-000

THE LAND REFERRED TO HEREON IS SITUATED IN THE UNINCORPORATED AREA OF BLOOMINGTON, COUNTY OF SAN BERNARDINO STATE OF CALIFORNIA, BEING A PORTION OF LOT 31, BLOCK N, BLOOMINGTON VILLA LOTS, RESUBDIVISION OF TOWNSITE OF BLOOMINGTON, AS PER MAP RECORDED IN BOOK 19, PAGE 27 OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THE NORTHWESTERLY 6.50 FEET OF THE SOUTHWESTERLY 17.00 FEET OF SAID LOT 31.

THE ABOVE DESCRIBED PARCEL OF LAND CONTAINS 111 SQUARE FEET MORE OR LESS.

ALL AS SHOWN ON EXHIBIT "B" PLOT ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.

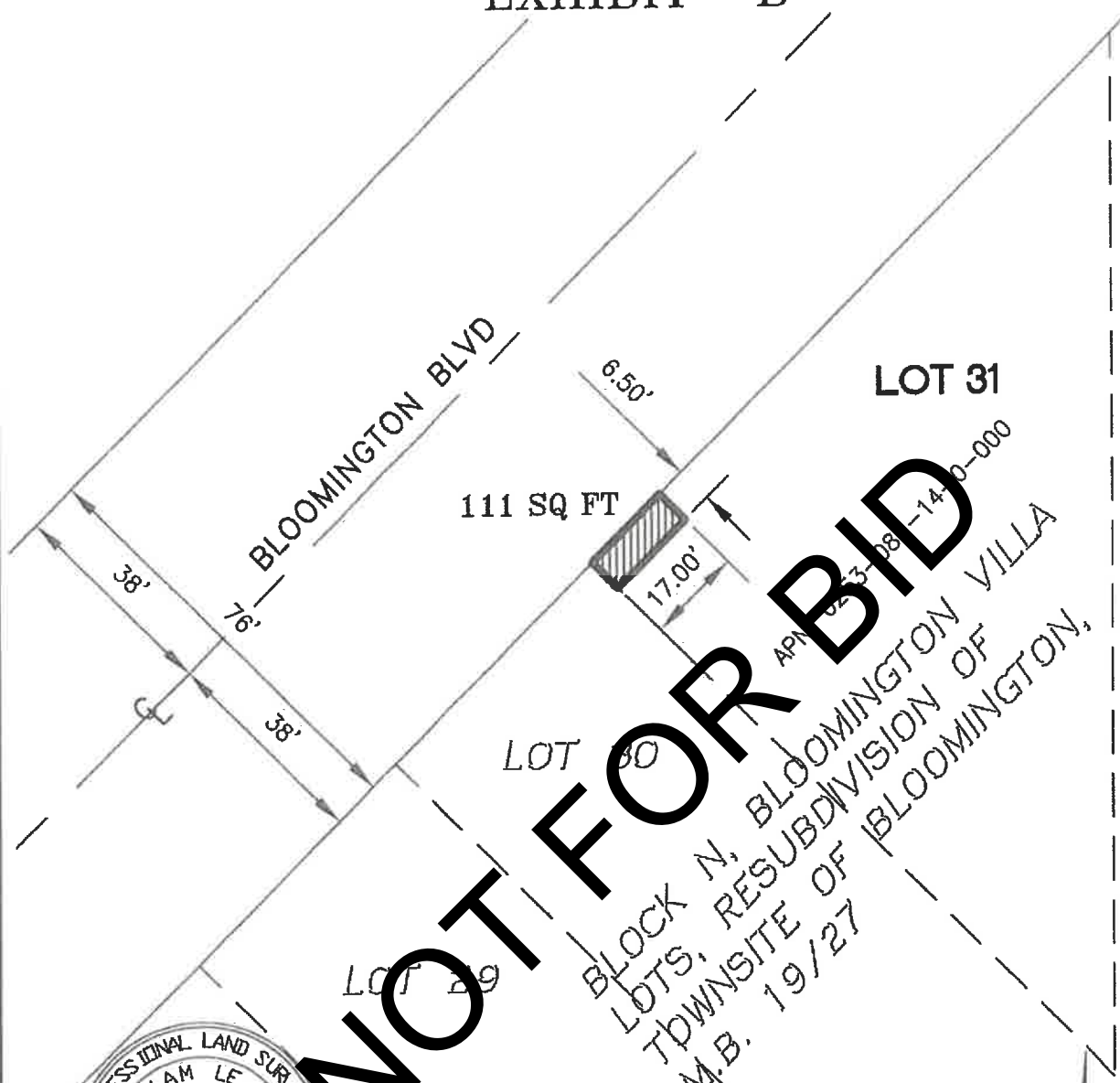
PREPARED BY:

  
\_\_\_\_\_  
LAM LE, P.L.S. No. 8231

December 21, 2021  
DATE



EXHIBIT "B"




**NOT FOR BID**



LAM LE "LS 8231"

LEGEND:

 INDICATES AREAS FOR TEMPORARY CONSTRUCTION EASEMENT.

Scale: 1"=30'

Prepared in the office of  
**CL SURVEYING & MAPPING**  
 400 EAST RINCON ST., SUITE 202  
 CORONA, CA 92879  
 Tel (909) 484-4200  
 Fax (909) 484-4229

SAN BERNARDINO COUNTY, CALIFORNIA  
**TEMPORARY CONSTRUCTION EASEMENT**  
 PORTION OF LOT 31, BLOCK N, BLOOMINGTON VILLA LOTS,  
 RESUBDIVISION OF TOWNSITE OF BLOOMINGTON, RECORDED  
 IN BOOK 19, PAGE 27 OF MAPS, COUNTY OF SAN  
 BERNARDINO, STATE OF CALIFORNIA.

SHEET  
**1**  
 OF **1**  
 JOB No.  
 2020-KOA-01



RECORDING REQUESTED BY:

San Bernardino County  
Department of Public Works  
825 East Third Street, Room 145  
San Bernardino, CA 92415-0835

WHEN RECORDED MAIL TO:

Same as above

RECORDER:

Record without fee subject to Govt. Code 6103  
Recordation required to complete chain of title

UNINCORPORATED AREA	<b>TEMPORARY CONSTRUCTION EASEMENT</b>	DOCUMENT TRANSFER TAX \$ 0.00
A.P.N. 0253-082-02 (ptn)		Dept. Code : 11700 (Transportation )

Cesia Madriz, a single woman

hereby GRANT(S) to SAN BERNARDINO COUNTY, a body corporate and politic of the State of California, a TEMPORARY CONSTRUCTION EASEMENT for construction purposes over, under and across the following described real property in said County:

SEE EXHIBIT "A" LEGAL DESCRIPTION AND EXHIBIT "B" PLAT ATTACHED.

This Temporary Construction Easement shall remain in effect for a period of 6 months, commencing upon the beginning date of construction November 1, 2022 for said purposes and terminating upon completion of the project known as Bloomington Avenue Pavement & Storm Drain Project, but terminating no later than April 30, 2023. Grantee shall have the option, exercisable upon notice to grantor at any time prior to April 30, 2023, to extend for an additional six (6) months, commencing May 1, 2023 and terminating no later than October 30, 2023.

It is understood that in the event the grantor(s) plan to sell, lease or rent the grantor's property prior to the final expiration date of this temporary construction easement, the grantor(s) shall inform, in writing, any and all parties involved in the sale, lease, or rental of this temporary construction easement and associated construction project.

Cesia Madriz, a single woman

10/17/2022  
Date

Name: Cesia Madriz  
Title:

Name: \_\_\_\_\_ Date: \_\_\_\_\_  
Title: \_\_\_\_\_

This is to certify that the interest in real property conveyed by the within instrument to San Bernardino County, a body corporate and politic of the State of California, is hereby accepted by the undersigned officer/agent on behalf of the Board of Supervisors pursuant to authority conferred by resolution of the Board of Supervisors adopted on March 27, 2012 and the Grantee consents to recordation thereof by its duly authorized officer/agent.

By: \_\_\_\_\_ Date: \_\_\_\_\_  
Terry W. Thompson, Director  
Real Estate Services Department

Township: 1 S Range: 5 W Section: 22  
 Geo Index: 4016 Sect.: 22 Quad.: 2  
 Road Name(s): Bloomington Avenue  
 Project: Pavement & Storm Drain Project  
 Work Order No. : H15195  
 Parcel No. (s) : TCE - 05  
 A.P.N. (s) : 0253-082-02 (ptn)

MAIL TAX STATEMENTS TO PARTY SHOWN ON FOLLOWING LINE

Not Applicable

Name

Street Address

City & State

# 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 Bernardino )

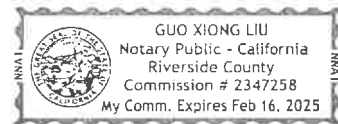
On OCTOBER 17, 2022 before me, Guo Xiong Liu, Notary Public  
(insert name and title of the officer)

personally appeared CESIA SARAI MADRIZ JARAS,  
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 Guo Xiong Liu (Seal)



**EXHIBIT "A"**  
LEGAL DESCRIPTION  
**TEMPORARY CONSTRUCTION EASEMENT**  
APN: 0253-082-02-0-000

THE LAND REFERRED TO HEREON IS SITUATED IN THE UNINCORPORATED AREA OF BLOOMINGTON, COUNTY OF SAN BERNARDINO STATE OF CALIFORNIA, BEING A PORTION OF LOT 22 OF TRACT NO. 1927 AS PER MAP RECORDED IN BOOK 28, PAGE 28 OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THE NORTHWESTERLY 9.50 FEET OF SAID LOT 22.

THE ABOVE DESCRIBED PARCEL OF LAND CONTAINS 475 SQUARE FEET MORE OR LESS.

ALL AS SHOWN ON EXHIBIT "B" PLOT ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.

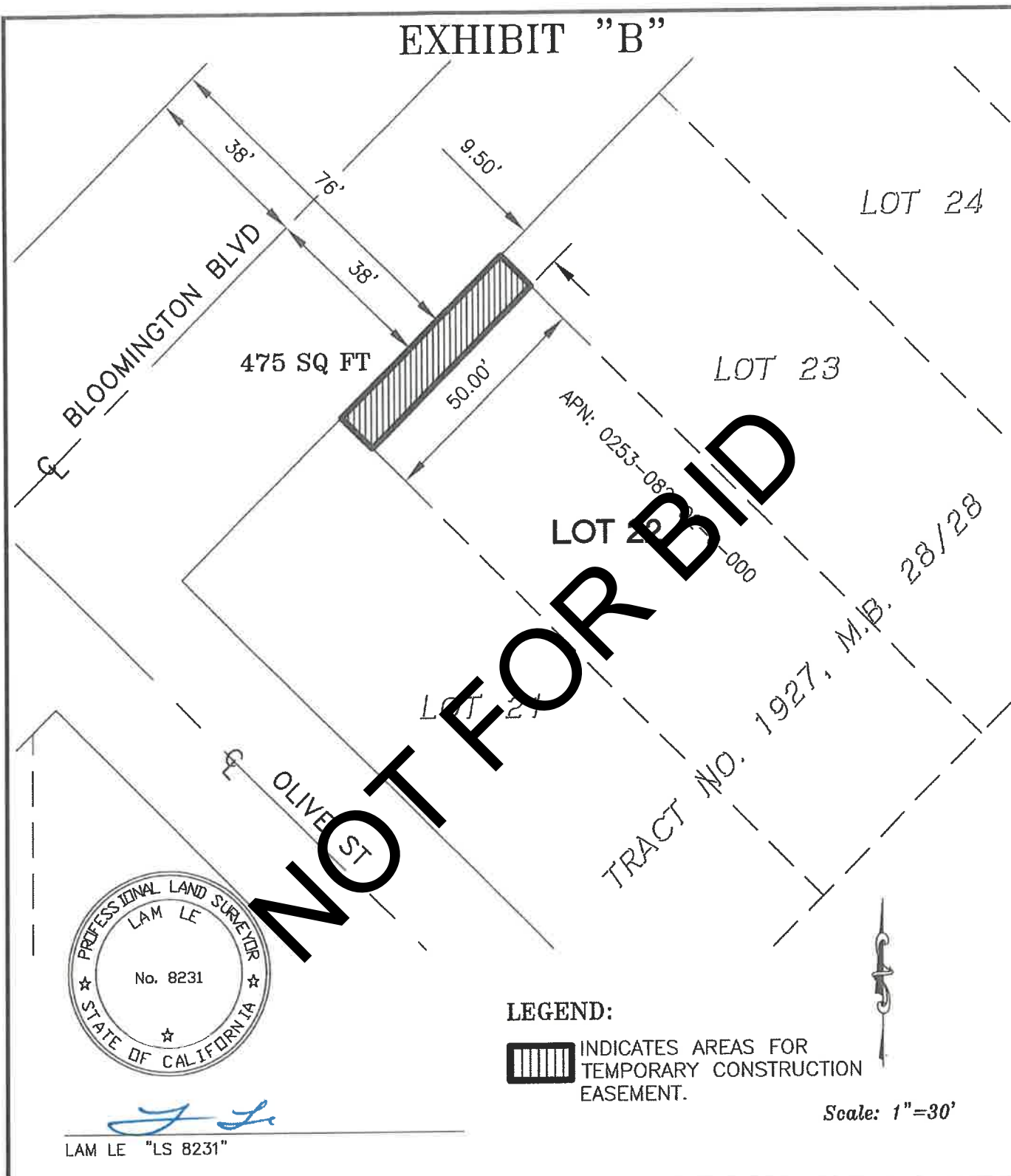
PREPARED BY:

  
\_\_\_\_\_  
LAM LE, P.L.S. No. 8231

December 21, 2021  
DATE



EXHIBIT "B"



*JL*  
LAM LE "LS 8231"

LEGEND:



INDICATES AREAS FOR  
TEMPORARY CONSTRUCTION  
EASEMENT.

Scale: 1"=30'



Prepared in the office of

**CL SURVEYING & MAPPING**

400 EAST RINCON ST., SUITE 202  
CORONA, CA 92879  
Tel (909) 484-4200  
Fax (909) 484-4229

SAN BERNARDINO COUNTY, CALIFORNIA

TEMPORARY CONSTRUCTION EASEMENT

PORTION OF LOT 22, TRACT NO. 1927, RECORDED IN  
BOOK 28, PAGE 28 OF MAPS, COUNTY OF SAN  
BERNARDINO, STATE OF CALIFORNIA.

SHEET  
**1**  
OF **1**  
JOB No.  
2020-KOA-01

RECORDING REQUESTED BY:

San Bernardino County  
Department of Public Works  
825 East Third Street, Room 145  
San Bernardino, CA 92415-0835

WHEN RECORDED MAIL TO:

Same as above

RECORDER:

Record without fee subject to Govt. Code 6103  
Recordation required to complete chain of title

UNINCORPORATED AREA	<b>TEMPORARY CONSTRUCTION EASEMENT</b>	DOCUMENT TRANSFER TAX \$ 0.00
A.P.N. 0253-082-03 (ptn)		Dept. Code : 11700 (Transportation )

Jose Luis Suarez, a married man as his sole and separate property

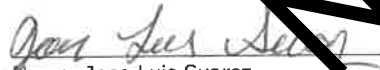
hereby GRANT(S) to SAN BERNARDINO COUNTY, a body corporate and politic of the State of California, a TEMPORARY CONSTRUCTION EASEMENT for construction purposes over, under and across the following described real property in said County:

SEE EXHIBIT "A" LEGAL DESCRIPTION AND EXHIBIT "B" PLAT ATTACHED.

This Temporary Construction Easement shall remain in effect for a period of 6 months, commencing upon the beginning date of construction November 1, 2022 for said purposes and terminating upon completion of the project known as Bloomington Avenue Pavement & Storm Drain Project, but terminating no later than April 30, 2023. Grantee shall have the option, exercisable upon notice to grantor at any time prior to April 30, 2023, to extend for an additional six (6) months commencing May 1, 2023 and terminating no later than October 30, 2023.

It is understood that in the event the grantor(s) plan to sell, lease or rent the grantor's property prior to the final expiration date of this temporary construction easement, the grantor(s) shall inform, in writing, any and all parties involved in the sale, lease, or rental of this temporary construction easement and associated construction project.

Jose Luis Suarez, a married man as his sole and separate property

  
Name: Jose Luis Suarez  
Title:

10-6-22  
Date

Name: \_\_\_\_\_  
Title: \_\_\_\_\_ Date

This is to certify that the interest in real property conveyed by the within instrument to San Bernardino County, a body corporate and politic of the State of California, is hereby accepted by the undersigned officer/agent on behalf of the Board of Supervisors pursuant to authority conferred by resolution of the Board of Supervisors adopted on March 27, 2012 and the Grantee consents to recordation thereof by its duly authorized officer/agent.

By: \_\_\_\_\_ Date: \_\_\_\_\_  
Terry W. Thompson, Director  
Real Estate Services Department

Township: 1 S Range: 5 W Section: 22  
Geo Index: 4016 Sect.: 22 Quad.: 2  
Road Name(s) : Bloomington Avenue at Vine Street  
Project: Bloomington Avenue Pavement & Storm Drain Project  
Work Order No. : H15195  
Parcel No. (s) : TCE - 06  
A.P.N. (s) : 0253-082-03 (ptn)

MAIL TAX STATEMENTS TO PARTY SHOWN ON FOLLOWING LINE

Not Applicable

Name

Street Address

City & State

CALIFORNIA 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 SAN BERNARDINO }

On OCTOBER 6, 2022 before me, KAREN A. DAMAVANDI, NOTARY PUBLIC
Date Here Insert Name and Title of the Officer

personally appeared JOSE LUIS SUAREZ
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.

Signature Karen A. Damavandi
Signature of Notary Public

Place Notary Seal and/or Stamp Above

OPTIONAL

Completing this information can deter alteration of the document or
inadvertent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: TEMPORARY CONSTRUCTION EASEMENT

Document Date: OCTOBER 6, 2022 Number of Pages:

Signer(s) Other Than Named Above: N/A

Capacity(ies) Claimed by Signer(s)

Signer's Name: JOSE LUIS SUAREZ

- Corporate Officer - Title(s):
Partner - Limited General
Individual Attorney in Fact
Trustee Guardian or Conservator
Other:

Signer's Name:

- Corporate Officer - Title(s):
Partner - Limited General
Individual Attorney in Fact
Trustee Guardian or Conservator
Other:

Signer is Representing:

Signer is Representing:

**EXHIBIT "A"**  
LEGAL DESCRIPTION  
**TEMPORARY CONSTRUCTION EASEMENT**  
APN: 0253-082-03-0-000

THE LAND REFERRED TO HEREON IS SITUATED IN THE UNINCORPORATED AREA OF BLOOMINGTON, COUNTY OF SAN BERNARDINO STATE OF CALIFORNIA, BEING A PORTION OF LOT 23 OF TRACT NO. 1927 AS PER MAP RECORDED IN BOOK 28, PAGE 28 OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THE NORTHWESTERLY 9.50 FEET OF THE SOUTHWESTERLY 19.00 FEET OF SAID LOT 23.

THE ABOVE DESCRIBED PARCEL OF LAND CONTAINS 180 SQUARE FEET MORE OR LESS.

ALL AS SHOWN ON EXHIBIT "B" PLOT ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.

PREPARED BY:

  
LAM LE, P.L.S. No. 8231

December 21, 2021  
DATE



EXHIBIT "B"

LOT 25

LOT 24

LOT 23

LOT 22

LOT 2

BLOOMINGTON BLVD

180 SQ FT

9.50'

19.00'

38'

76'

38'

APN: 0253-01-0270-000

TRACT NO. 1927, M.B. 28/28

NOT FOR BID



LAM LE "LS 8231"

LEGEND:



INDICATES AREAS FOR TEMPORARY CONSTRUCTION EASEMENT.

Scale: 1"=30'



Prepared in the office of

CL SURVEYING & MAPPING

400 EAST RINCON ST., SUITE 202  
CORONA, CA 92879  
Tel (909) 484-4200  
Fax (909) 484-4229

SAN BERNARDINO COUNTY, CALIFORNIA

TEMPORARY CONSTRUCTION EASEMENT

PORTION OF LOT 23, TRACT NO. 1927, RECORDED IN  
BOOK 28, PAGE 28 OF MAPS, COUNTY OF SAN  
BERNARDINO, STATE OF CALIFORNIA.

SHEET  
1  
OF 1

JOB No.  
2020-KOA-01



RECORDING REQUESTED BY:

San Bernardino County  
Department of Public Works  
825 East Third Street, Room 145  
San Bernardino, CA 92415-0835

WHEN RECORDED MAIL TO:

Same as above

RECORDER:

Record without fee subject to Govt. Code 6103  
Recordation required to complete chain of title

UNINCORPORATED AREA	<b>TEMPORARY CONSTRUCTION EASEMENT</b>	DOCUMENT TRANSFER TAX \$ 0.00
A.P.N. 0253-082-04 (ptn)		Dept. Code : 11700 (Transportation )

Indalecio Danny Aguilar, a Single Man

hereby GRANT(S) to SAN BERNARDINO COUNTY, a body corporate and politic of the State of California, a TEMPORARY CONSTRUCTION EASEMENT for construction purposes over, under and across the following described real property in said County:

SEE EXHIBIT "A" LEGAL DESCRIPTION AND EXHIBIT "B" PLAT ATTACHED.

This Temporary Construction Easement shall remain in effect for a period of 6 months, commencing upon the beginning date of construction November 1, 2022 for said purposes and terminating upon completion of the project known as Bloomington Avenue Pavement & Storm Drain Project, but terminating no later than April 30, 2023. Grantee shall have the option, exercisable upon notice to grantor at any time prior to April 30, 2023, to extend for an additional six (6) months, commencing May 1, 2023 and terminating no later than October 30, 2023.

It is understood that in the event the grantor(s) plan to sell, lease or rent the grantor's property prior to the final expiration date of this temporary construction easement, the grantor(s) shall inform, in writing, any and all parties involved in the sale, lease, or rental of this temporary construction easement and associated construction project.

Indalecio Danny Aguilar, a Single Man

*Indalecio Danny Aguilar* 7-15-22  
 Name: Indalecio Danny Aguilar Date  
 Title:

Name: \_\_\_\_\_ Date  
 Title: \_\_\_\_\_

This is to certify that the interest in real property conveyed by the within instrument to San Bernardino County, a body corporate and politic of the State of California, is hereby accepted by the undersigned officer/agent on behalf of the Board of Supervisors pursuant to authority conferred by resolution of the Board of Supervisors adopted on March 27, 2012 and the Grantee consents to recordation thereof by its duly authorized officer/agent.

By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Terry W. Thompson, Director  
 Real Estate Services Department

Township: 1 S Range: 5 W Section: 22  
 Geo Index: 4016 Sect.: 22 Quad.: 2  
 Road Name(s) : Bloomington Avenue  
 Project: Pavement & Storm Drain Project  
 Work Order No. : H15195  
 Parcel No. (s) : TCE - 07  
 A.P.N. (s) : 0253-082-04 (ptn)

MAIL TAX STATEMENTS TO PARTY SHOWN ON FOLLOWING LINE

Not Applicable

Name Street Address City & State

CALIFORNIA 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 SAN BERNARDINO }

On JULY 15, 2022 before me, KAREN A. DAMAVANDI, NOTARY PUBLIC
Date Here Insert Name and Title of the Officer

personally appeared INDALECIO DANNY AGUILAR
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.

Signature Karen A. Damavandi
Signature of Notary Public

Place Notary Seal and/or Stamp Above

OPTIONAL

Completing this information can deter alteration of the document or
from its later reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: TEMPORARY CONSTRUCTION EASEMENT

Document Date: July 15, 2022 Number of Pages:

Signer(s) Other Than Named Above: N/A

Capacity(ies) Claimed by Signer(s)

Signer's Name: INDALECIO DANNY AGUILAR Signer's Name: N/A

- Corporate Officer - Title(s):
Partner - Limited General
Individual Attorney in Fact
Trustee Guardian or Conservator
Other:
Signer is Representing:

**EXHIBIT "A"**  
LEGAL DESCRIPTION  
**TEMPORARY CONSTRUCTION EASEMENT**  
APN: 0253-082-04-0-000

THE LAND REFERRED TO HEREON IS SITUATED IN THE UNINCORPORATED AREA OF BLOOMINGTON, COUNTY OF SAN BERNARDINO STATE OF CALIFORNIA, BEING A PORTION OF LOT 24 OF TRACT NO. 1927 AS PER MAP RECORDED IN BOOK 28, PAGE 28 OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THE NORTHWESTERLY 10.50 FEET OF SAID LOT 24.

THE ABOVE DESCRIBED PARCEL OF LAND CONTAINS 535 SQUARE FEET MORE OR LESS.

ALL AS SHOWN ON EXHIBIT "B" PLOT ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.

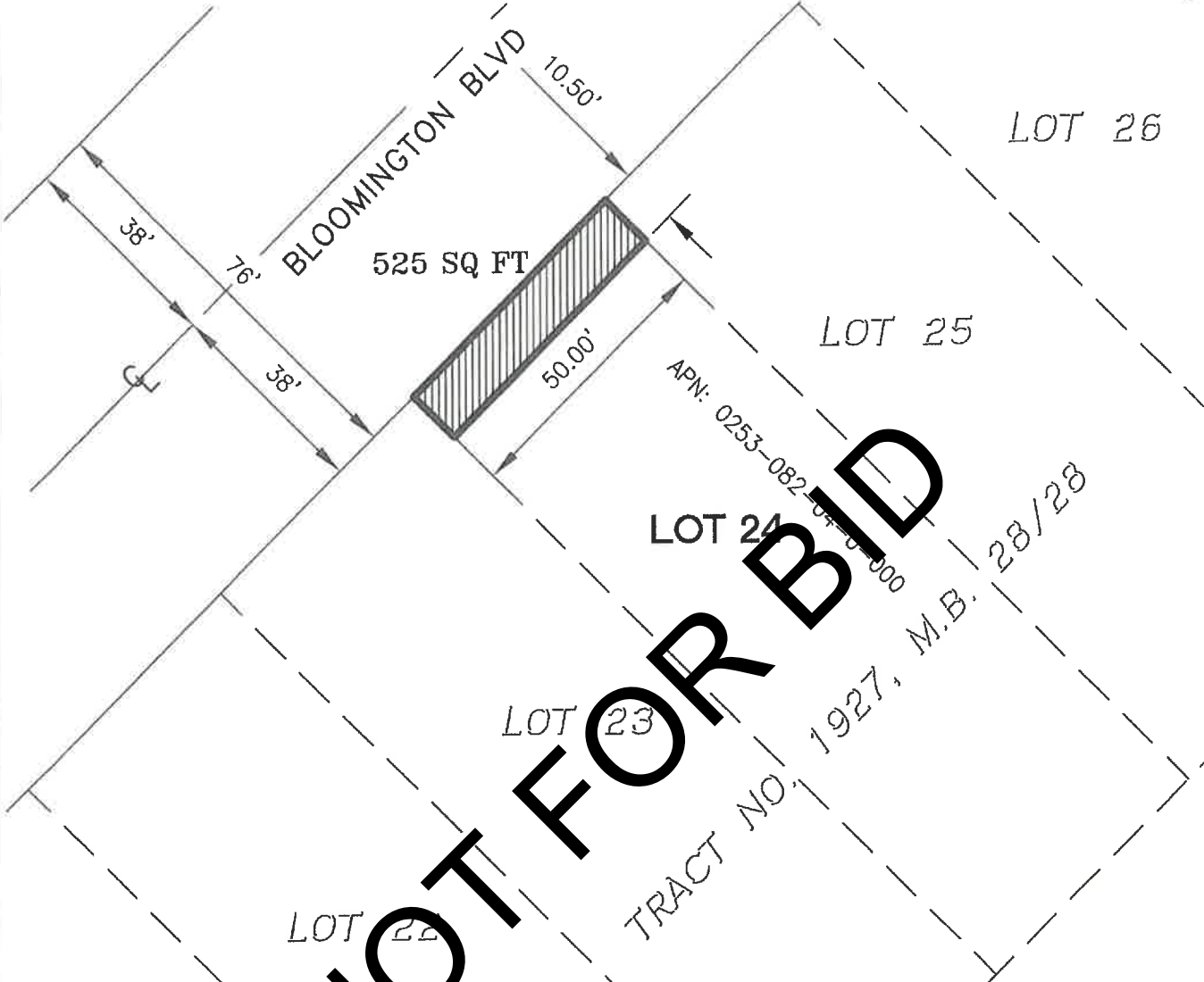
PREPARED BY:

  
LAM LE, P.L.S. No. 8231

December 21, 2021 DATE



EXHIBIT "B"



**NOT FOR BID**

APN: 0253-082-000-000  
TRACT NO. 1927, M.B. 28/28



LAM LE "LS 8231"

LEGEND:



INDICATES AREAS FOR TEMPORARY CONSTRUCTION EASEMENT.

Scale: 1"=30'

Prepared in the office of  
**CL SURVEYING & MAPPING**  
 400 EAST RINCON ST., SUITE 202  
 CORONA, CA 92879  
 Tel (909) 484-4200  
 Fax (909) 484-4229

SAN BERNARDINO COUNTY, CALIFORNIA

TEMPORARY CONSTRUCTION EASEMENT  
 PORTION OF LOT 24, TRACT NO. 1927, RECORDED IN  
 BOOK 28, PAGE 28 OF MAPS, COUNTY OF SAN  
 BERNARDINO, STATE OF CALIFORNIA.

SHEET  
**1**  
 OF **1**  
 JOB No.  
 2020-KOA-01

RECORDING REQUESTED BY:

San Bernardino County  
Department of Public Works  
825 East Third Street, Room 145  
San Bernardino, CA 92415-0835

WHEN RECORDED MAIL TO:

Same as above

RECORDER:

Record without fee subject to Govt. Code 6103  
Recordation required to complete chain of title

UNINCORPORATED AREA	<b>TEMPORARY CONSTRUCTION EASEMENT</b>	DOCUMENT TRANSFER TAX \$ 0.00
A.P.N. 0253-082-05 (ptn)		Dept. Code : 11700 (Transportation)

Pedro Garcia and Maria C. Garcia, Husband and wife, as joint tenants

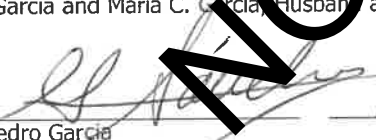

hereby GRANT(S) to SAN BERNARDINO COUNTY, a body corporate and politic of the State of California, a TEMPORARY CONSTRUCTION EASEMENT for construction purposes over, under and across the following described real property in said County:

SEE EXHIBIT "A" LEGAL DESCRIPTION AND EXHIBIT "B" PLAT ATTACHED.

This Temporary Construction Easement shall remain in effect for a period of 6 months, commencing upon the beginning date of construction November 1, 2022 for said purposes and terminating upon completion of the project known as Bloomington Avenue Pavement & Storm Drain Project, but terminating no later than April 30, 2023. Grantee shall have the option, exercisable upon notice to grantor at any time prior to April 30, 2023, to extend for an additional six (6) months commencing May 1, 2023 and terminating no later than October 30, 2023.

It is understood that in the event the grantor(s) plan to sell, lease or rent the grantor's property prior to the final expiration date of this temporary construction easement, the grantor(s) shall inform, in writing, any and all parties involved in the sale, lease, or rental of this temporary construction easement and associated construction project.

Pedro Garcia and Maria C. Garcia, Husband and wife, as joint tenants


  
Name: Pedro Garcia Date: 10/25/22 Name: Maria C. Garcia Date: 11/1/22  
Title: Title:

This is to certify that the interest in real property conveyed by the within instrument to San Bernardino County, a body corporate and politic of the State of California, is hereby accepted by the undersigned officer/agent on behalf of the Board of Supervisors pursuant to authority conferred by resolution of the Board of Supervisors adopted on March 27, 2012 and the Grantee consents to recordation thereof by its duly authorized officer/agent.

By: \_\_\_\_\_ Date: \_\_\_\_\_  
Terry W. Thompson, Director  
Real Estate Services Department

Township: 1 S Range: 5 W Section: 22  
Geo Index: 4016 Sect.: 22 Quad.: 2  
Road Name(s) : Bloomington Avenue at Vine Street  
Project: Bloomington Avenue Pavement & Storm Drain Project  
Work Order No. : H15195  
Parcel No. (s) : TCE - 08  
A.P.N. (s) : 0253-082-05 (ptn)

MAIL TAX STATEMENTS TO PARTY SHOWN ON FOLLOWING LINE

Not Applicable

Name	Street Address	City & State

**CALIFORNIA ACKNOWLEDGMENT**

**CIVIL CODE § 1189**

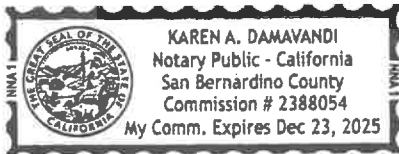
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }  
County of SAN BERNARDINO

On OCTOBER 25, 2022 before me, KAREN A. DAMAVANDI, NOTARY PUBLIC,  
Date Here Insert Name and Title of the Officer

personally appeared PEDRO GARCIA  
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.  
I WILL BE A WITNESS my hand and official seal.

Signature Karen A. Damavandi  
Signature of Notary Public

Place Notary Seal and/or Stamp Above

**OPTIONAL**

Completing this information can deter alteration of the document or facilitate reattachment of this form to an unintended document.

**Description of Attached Document**

Title or Type of Document: TEMPORARY CONSTRUCTION EASEMENT

Document Date: OCTOBER 25, 2022 Number of Pages: \_\_\_\_\_

Signer(s) Other Than Named Above: N/A

**Capacity(ies) Claimed by Signer(s)**

Signer's Name: PEDRO GARCIA

- 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: \_\_\_\_\_



**CALIFORNIA 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 SAN BERNARDINO

On NOVEMBER 1, 2022 before me, KAREN A. DAMAVANDI, NOTARY PUBLIC  
Date Here Insert Name and Title of the Officer

personally appeared MARIA GARCIA  
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.

Signature Karen A. Damavandi  
Signature of Notary Public

Place Notary Seal and/or Stamp Above

**OPTIONAL**

Completing this information can deter alteration of the document or for future reattachment of this form to an unintended document.

**Description of Attached Document**

Title or Type of Document: TEMPORARY CONSTRUCTION EASEMENT

Document Date: NOVEMBER 1, 2022 Number of Pages: \_\_\_\_\_

Signer(s) Other Than Named Above: N/A

**Capacity(ies) Claimed by Signer(s)**

Signer's Name: MARIA GARCIA

- 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: \_\_\_\_\_

**EXHIBIT "A"**  
**LEGAL DESCRIPTION**  
**TEMPORARY CONSTRUCTION EASEMENT**

APN: 0253-082-05-0-000

THE LAND REFERRED TO HEREON IS SITUATED IN THE UNINCORPORATED AREA OF BLOOMINGTON, COUNTY OF SAN BERNARDINO STATE OF CALIFORNIA, BEING A PORTION OF LOT 25 OF TRACT NO. 1927 AS PER MAP RECORDED IN BOOK 28, PAGE 28 OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THE NORTHWESTERLY 7.50 FEET OF SAID LOT 25.

THE ABOVE DESCRIBED PARCEL OF LAND CONTAINS 375 SQUARE FEET MORE OR LESS.

ALL AS SHOWN ON EXHIBIT "B" PLOT ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.

PREPARED BY:

  
\_\_\_\_\_  
LAMLE, P.L.S. No. 8231

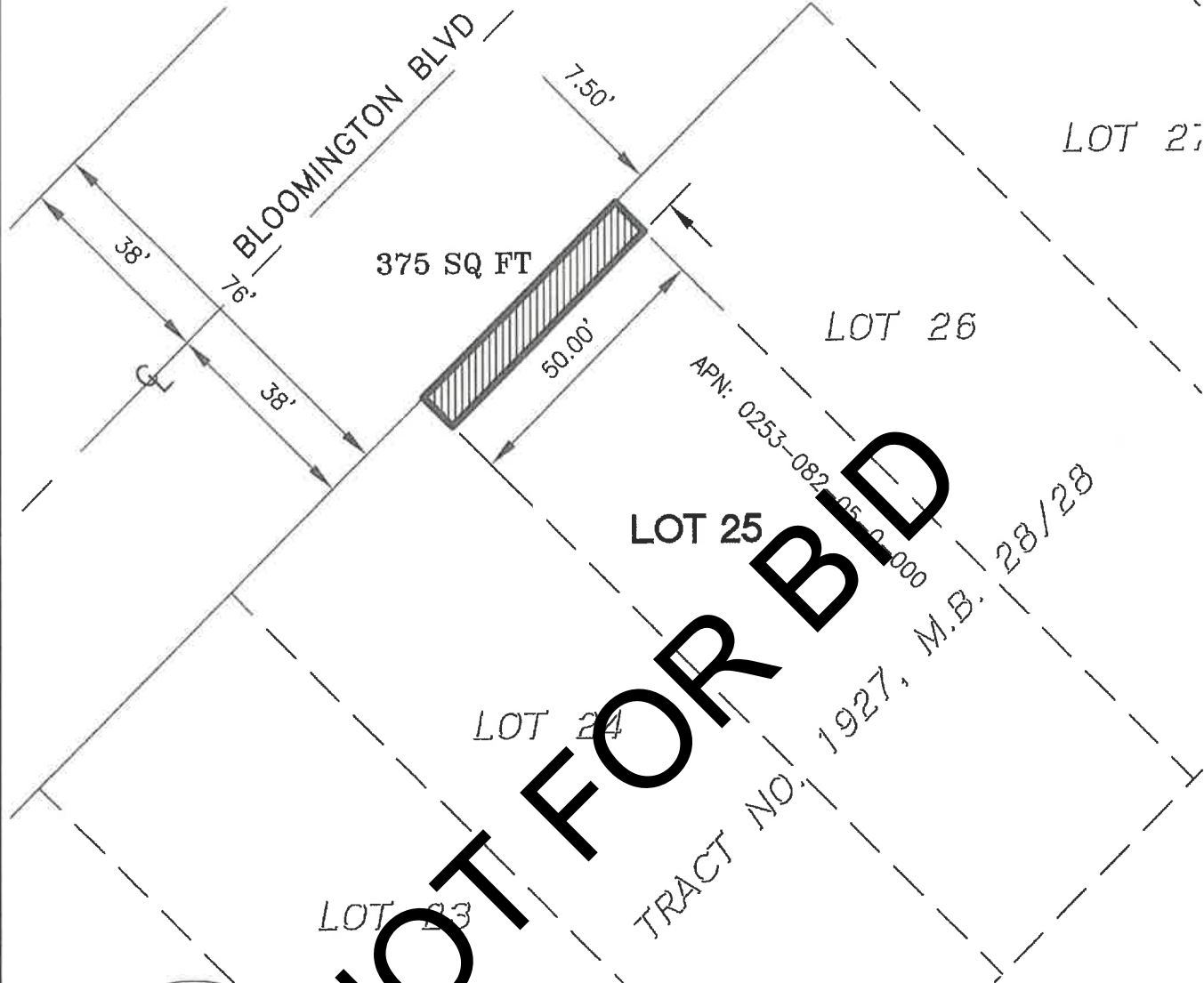
December 21, 2021  
DATE



NOT FOR BID



EXHIBIT "B"



*LAM LE*

LAM LE "LS 8231"

LEGEND:



INDICATES AREAS FOR  
TEMPORARY CONSTRUCTION  
EASEMENT.



Scale: 1"=30'

Prepared in the office of

**CL SURVEYING & MAPPING**

400 EAST RINCON ST., SUITE 202  
CORONA, CA 92879  
Tel (909) 484-4200  
Fax (909) 484-4229

SAN BERNARDINO COUNTY, CALIFORNIA

TEMPORARY CONSTRUCTION EASEMENT  
PORTION OF LOT 25, TRACT NO. 1927, RECORDED IN  
BOOK 28, PAGE 28 OF MAPS, COUNTY OF SAN  
BERNARDINO, STATE OF CALIFORNIA.

SHEET  
**1**  
OF **1**

JOB No.  
2020-KOA-01

RECORDING REQUESTED BY:

San Bernardino County  
Department of Public Works  
825 East Third Street, Room 145  
San Bernardino, CA 92415-0835

WHEN RECORDED MAIL TO:

Same as above

RECORDER:

Record without fee subject to Govt. Code 6103  
Recordation required to complete chain of title

UNINCORPORATED AREA	<b>TEMPORARY CONSTRUCTION EASEMENT</b>	DOCUMENT TRANSFER TAX \$ 0.00
A.P.N. 0253-082-19 (ptn)		Dept. Code : 11700 (Transportation )

Guy Michael Lopez, a Married Man as his sole and separate property


hereby GRANT(S) to SAN BERNARDINO COUNTY, a body corporate and politic of the State of California, a TEMPORARY CONSTRUCTION EASEMENT for construction purposes, over, under and across the following described real property in said County:

SEE EXHIBIT "A" LEGAL DESCRIPTION AND EXHIBIT "B" PLAT ATTACHED.

This Temporary Construction Easement shall remain in effect for a period of 6 months, commencing upon the beginning date of construction November 1, 2022 for said purposes and terminating upon completion of the project known as Bloomington Avenue Pavement & Storm Drain Project, but terminating no later than April 30, 2023. Grantee shall have the option, exercisable upon notice to grantor at any time prior to April 30, 2023, to extend for an additional six (6) months commencing May 1, 2023 and terminating no later than October 30, 2023.

It is understood that in the event the grantor(s) plan to sell, lease or rent the grantor's property prior to the final expiration date of this temporary construction easement, the grantor(s) shall inform, in writing, any and all parties involved in the sale, lease, or rental of this temporary construction easement and associated construction project.

Guy Michael Lopez, a Married Man as his sole and separate property

 10/25/22  
Name: Guy Michael Lopez Date: \_\_\_\_\_ Name: \_\_\_\_\_ Date: \_\_\_\_\_  
Title: \_\_\_\_\_ Title: \_\_\_\_\_

<p>This is to certify that the interest in real property conveyed by the within instrument to San Bernardino County, a body corporate and politic of the State of California, is hereby accepted by the undersigned officer/agent on behalf of the Board of Supervisors pursuant to authority conferred by resolution of the Board of Supervisors adopted on March 27, 2012 and the Grantee consents to recordation thereof by its duly authorized officer/agent.</p> <p>By: _____ Date: _____  Terry W. Thompson, Director  Real Estate Services Department</p>	<p>Township: <u>1 S</u> Range: <u>5 W</u> Section: <u>22</u>  Geo Index: <u>4016</u> Sect.: <u>22</u> Quad.: <u>2</u>  Road Name(s) : <u>Bloomington Avenue</u>  Project: <u>Pavement &amp; Storm Drain Project</u>  Work Order No. : <u>H15195</u>  Parcel No. (s) : <u>TCE - 09</u>  A.P.N. (s) : <u>0253-082-19 (ptn)</u></p>
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

MAIL TAX STATEMENTS TO PARTY SHOWN ON FOLLOWING LINE

Not Applicable		
Name	Street Address	City & State

CALIFORNIA 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 SAN BERNARDINO }

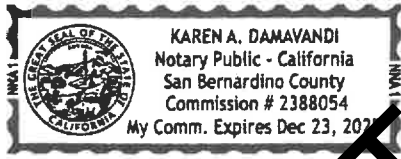
On OCTOBER 25, 2022 before me, KAREN A. DAMAVANDI, NOTARY PUBLIC
Date Here Insert Name and Title of the Officer

personally appeared GUY MICHAEL LOPEZ
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.



Place Notary Seal and/or Stamp Above

Signature Karen Damavandi
Signature of Notary Public

OPTIONAL

Completing this information can deter alteration of the document or
for future reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: TEMPORARY CONSTRUCTION EASEMENT

Document Date: OCTOBER 25, 2022 Number of Pages:

Signer(s) Other Than Named Above: N/A

Capacity(ies) Claimed by Signer(s)

Signer's Name: GUY MICHAEL LOPEZ

- 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:

**EXHIBIT "A"**  
**LEGAL DESCRIPTION**  
**TEMPORARY CONSTRUCTION EASEMENT**

APN: 0253-082-19-0-000

THE LAND REFERRED TO HEREON IS SITUATED IN THE UNINCORPORATED AREA OF BLOOMINGTON, COUNTY OF SAN BERNARDINO STATE OF CALIFORNIA, BEING A PORTION OF LOT 26 OF TRACT NO. 1927 AS PER MAP RECORDED IN BOOK 28, PAGE 28 OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THE NORTHWESTERLY 7.50 FEET OF SAID LOT 26.

THE ABOVE DESCRIBED PARCEL OF LAND CONTAINS 283 SQUARE FEET MORE OR LESS.

ALL AS SHOWN ON EXHIBIT "B" PLOT ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.

PREPARED BY:

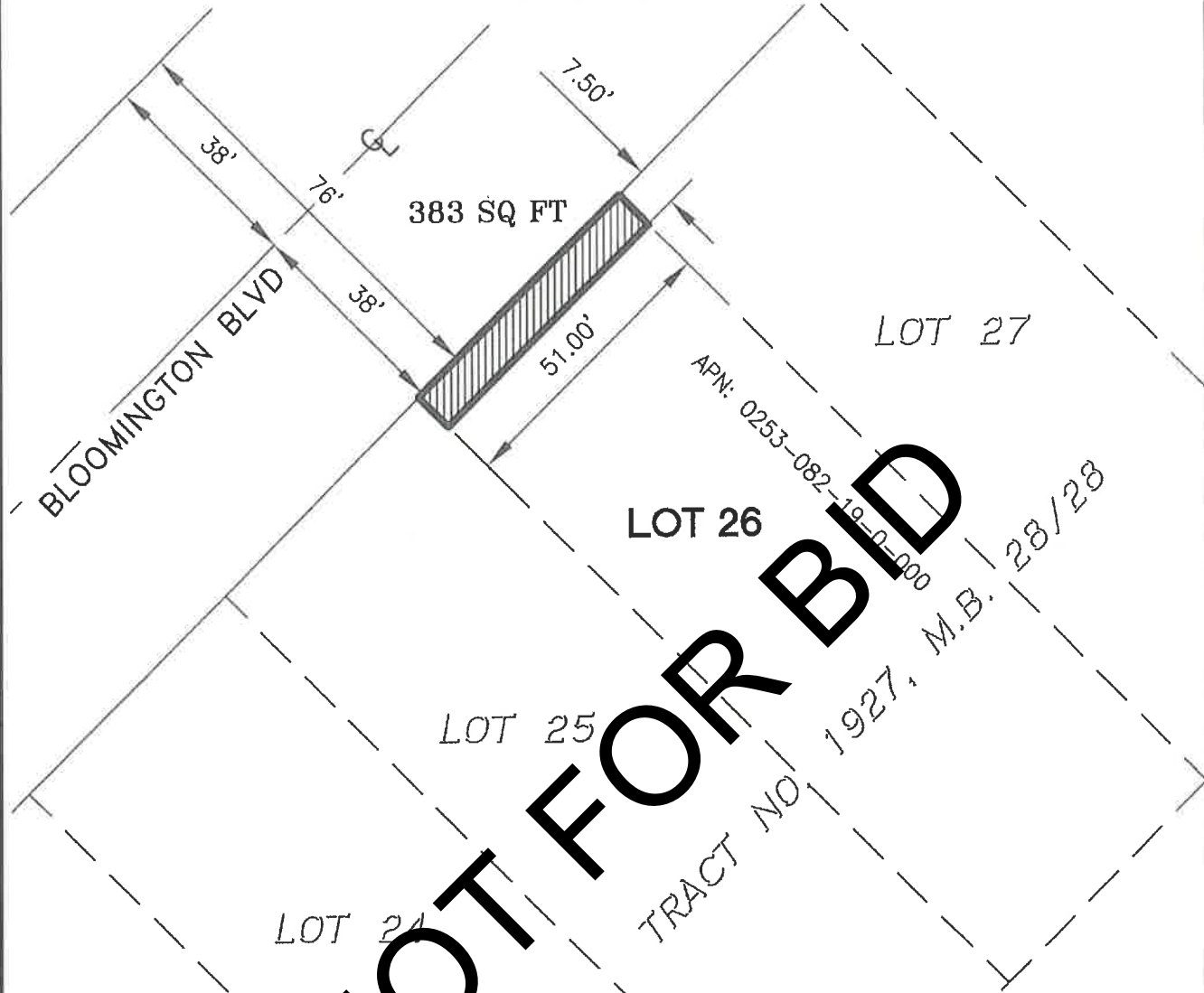
  
LAM LE, P.L.S. No. 8231

December 21, 2021  
DATE




NOT FOR BID

EXHIBIT "B"



*LAM LE*  
LAM LE "LS 8231"

LEGEND:

 INDICATES AREAS FOR TEMPORARY CONSTRUCTION EASEMENT.



Scale: 1"=30'

Prepared in the office of <b>CL SURVEYING &amp; MAPPING</b> 400 EAST RINCON ST., SUITE 202 CORONA, CA 92879 Tel (909) 484-4200 Fax (909) 484-4229	SAN BERNARDINO COUNTY, CALIFORNIA	
	<b>TEMPORARY CONSTRUCTION EASEMENT</b> PORTION OF LOT 26, TRACT NO. 1927, RECORDED IN BOOK 28, PAGE 28 OF MAPS, COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA.	
	SHEET <b>1</b> OF <u>1</u>	JOB No. 2020-KOA-01

RECORDING REQUESTED BY:

San Bernardino County  
Department of Public Works  
825 East Third Street, Room 145  
San Bernardino, CA 92415-0835

WHEN RECORDED MAIL TO:

Same as above

RECORDER:

Record without fee subject to Govt. Code 6103  
Recordation required to complete chain of title

UNINCORPORATED AREA	<b>TEMPORARY CONSTRUCTION EASEMENT</b>	DOCUMENT TRANSFER TAX \$ 0.00
A.P.N. 0253-082-08 (ptn)		Dept. Code : 11700 (Transportation )

Suria Garcia, a Married Woman

hereby GRANT(S) to SAN BERNARDINO COUNTY, a body corporate and politic of the State of California, a TEMPORARY CONSTRUCTION EASEMENT for construction purposes, over, under and across the following described real property in said County:

SEE EXHIBIT "A" LEGAL DESCRIPTION AND EXHIBIT "B" PLAT ATTACHED.

This Temporary Construction Easement shall remain in effect for a period of 6 months, commencing upon the beginning date of construction November 1, 2022 for said purposes and terminating upon completion of the project known as Bloomington Avenue Pavement & Storm Drain Project, but terminating no later than April 30, 2023. Grantee shall have the option, exercisable upon notice to grantor at any time prior to April 30, 2023, to extend for an additional six (6) months, commencing May 1, 2023 and terminating no later than October 30, 2023.

It is understood that in the event the grantor(s) plan to sell, lease or rent the grantor's property prior to the final expiration date of this temporary construction easement, the grantor(s) shall inform, in writing, any and all parties involved in the sale, lease, or rental of this temporary construction easement and associated construction project.

Suria Garcia, a Married Woman

Suria Garcia  
Name: Suria Garcia  
Title:

11/21/22  
Date

Name:  
Title:

Date

This is to certify that the interest in real property conveyed by the within instrument to San Bernardino County, a body corporate and politic of the State of California, is hereby accepted by the undersigned officer/agent on behalf of the Board of Supervisors pursuant to authority conferred by resolution of the Board of Supervisors adopted on March 27, 2012 and the Grantee consents to recordation thereof by its duly authorized officer/agent.

By: \_\_\_\_\_ Date: \_\_\_\_\_  
Terry W. Thompson, Director  
Real Estate Services Department

Township: 1 S Range: 5 W Section: 22  
Geo Index: 4016 Sect.: 22 Quad.: 2  
Road Name(s) : Bloomington Avenue  
Project: Pavement & Storm Drain Project  
Work Order No. : H15195  
Parcel No. (s) : TCE - 10  
A.P.N. (s) : 0253-082-08 (ptn)

MAIL TAX STATEMENTS TO PARTY SHOWN ON FOLLOWING LINE

Not Applicable

Name

Street Address

City & State



CALIFORNIA 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 SAN BERNARDINO }

On NOVEMBER 21, 2022 before me, KAREN A. DAMAVANDI, NOTARY PUBLIC
Date Here Insert Name and Title of the Officer

personally appeared SURIA GARCIA
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.

Signature Karen A. Damavandi
Signature of Notary Public

Place Notary Seal and/or Stamp Above

OPTIONAL

Completing this information can deter alteration of the document or
from future reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: TEMPORARY CONSTRUCTION EASEMENT

Document Date: NOVEMBER 21, 2022 Number of Pages:

Signer(s) Other Than Named Above: N/A

Capacity(ies) Claimed by Signer(s)

Signer's Name: SURIA GARCIA

- 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:

**EXHIBIT "A"**  
LEGAL DESCRIPTION  
**TEMPORARY CONSTRUCTION EASEMENT**  
APN: 0253-082-08-0-000

THE LAND REFERRED TO HEREON IS SITUATED IN THE UNINCORPORATED AREA OF BLOOMINGTON, COUNTY OF SAN BERNARDINO STATE OF CALIFORNIA, BEING A PORTION OF LOT 28 OF TRACT NO. 1927 AS PER MAP RECORDED IN BOOK 28, PAGE 28 OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THE NORTHWESTERLY 11.00 FEET OF THE SOUHWESTERLY 45.00 FEET OF SAID LOT 28.

THE ABOVE DESCRIBED PARCEL OF LAND CONTAINS 495 SQUARE FEET MORE OR LESS.

ALL AS SHOWN ON EXHIBIT "B" PLOT ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.

PREPARED BY:

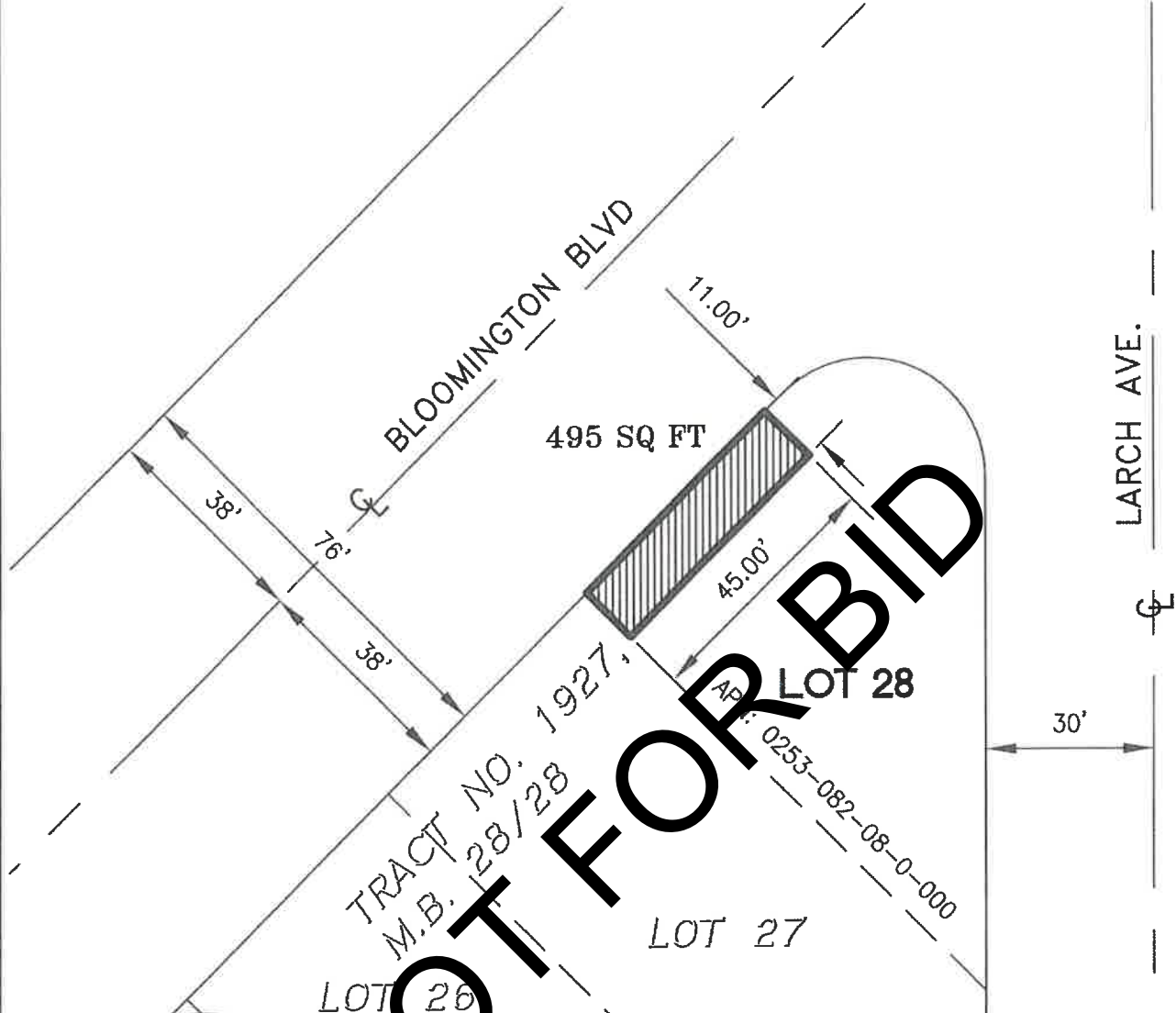
  
LAM LE, P.L.S. No. 8231



December 21, 2021 DATE




EXHIBIT "B"



*J. J.*  
LAM LE "LS 8231"

LEGEND:

 INDICATES AREAS FOR TEMPORARY CONSTRUCTION EASEMENT.

Scale: 1"=30'

SAN BERNARDINO COUNTY, CALIFORNIA

TEMPORARY CONSTRUCTION EASEMENT  
 PORTION OF LOT 28, TRACT NO. 1927, RECORDED IN  
 BOOK 28, PAGE 28 OF MAPS, COUNTY OF SAN  
 BERNARDINO, STATE OF CALIFORNIA.

Prepared in the office of  
**CL SURVEYING & MAPPING**  
 400 EAST RINCON ST., SUITE 202  
 CORONA, CA 92879  
 Tel (909) 484-4200  
 Fax (909) 484-4229

SHEET  
**1**  
 OF **1**  
 JOB No.  
 2020-KOA-01

**NOT FOR BID**

*Standard and Special Drawings  
(Green Pages)*

*inserted here*

## **LIST OF STANDARD AND SPECIAL DRAWINGS (GREEN PAGES)**

RESIDENT NOTIFICATION LETTER (ENGLISH)

RESIDENT NOTIFICATION LETTER (SPANISH)

### **SPECIAL DRAWINGS AND COUNTY STANDARDS**

109	110	115	116	203	206
206A	208	303	303(A)	303(B)	
SPEC DWG 106		SPEC DWG 135B			

### **CALTRANS STANDARD PLANS DATED 2018**

A20A	A20B	A20C	A20D	A24A	A24C	A24D	A24E
A24F	A62A	A62F	A87(MODIFIED)		A87A		
A87B	A88A	A88B	D72B	RSP ES-1A	RSP ES-1B	RSP ES-1C	
RSP ES-5B	RSP ES-5C	RSP ES-7A	RSP ES-7Q	RSP ES-8A	RSP ES-8B		
T9	T10	T11	T13				

### **CA MUTCD 2014**

2A-2 (CA)	2C-13 (CA)	3B-102 (CA)	3F-101 (CA)	3H-101 (CA)
FIGURE 6H-28	FIGURE 6H-29	SECTION 6D.01	SECTION 6D.02	

### **STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION**

303-4 (2 Sheets)	340-2 (2 Sheets)	380-4 (2 Sheets)
380-2-OC	340-4-OC	



## NOTICE TO THE RESIDENTS OF BLOOMINGTON AVENUE

The County of San Bernardino Department of Public Works has contracted with (Company name) for the (type of work) of (name of road) in the (city) and (state). The construction shall include (detailed description of work).

This work will be performed between the dates of (start date) and (end date).

Normal working hours will be between the hours of \_\_\_\_\_ A.M. and \_\_\_\_\_ P.M. Monday through Friday.

There will be "No Parking Signs" posted on your street indicating the specific dates work will be performed on the street. During the time we are working, access to the public will be limited and we ask the following:

1. Do not park your vehicles on the roadway
2. Do not allow water to run on the roadway
3. Do not allow children to play in the roadway
4. Do not place trash cans or other debris on the roadway

We regret any inconvenience that this work may cause you and we thank you for your cooperation in assisting us in rebuilding your street.

**Thank you.**

**(Company name)**

**(Company contact name)**

**(Company phone number)**

**If you need further assistance contact the Department of Public Works at (909) 387-7920**



## NOTIFICACIÓN A LOS RESIDENTES DE BLOOMINGTON AVENUE

El Condado de San Bernardino, Departamento de Obras Públicas, ha contratado con (Company name) para (type of work) la calle llamada (name of road) en la ciudad de (city). La construcción va a incluir (detailed description of work).

Este trabajo será hecho entre la fecha de (start date) y (end date). Las horas elegidas para hacer este trabajo serán entre las \_\_\_\_\_ de la mañana y \_\_\_\_\_ de la tarde de lunes a viernes.

Habrán letreros indicando que "No Hay Estacionamiento" en la calle y especificando el horario cuando el trabajo será hecho. Durante el tiempo que estaremos trabajando en la calle, la entrada para el público será limitada y por esta razón pedimos lo siguiente:

1. No estacionen sus vehículos en la calle.
2. No permita que corra el agua hacia la calle.
3. No permita que los niños jueguen en la calle.
4. No ponga los botes de basura o cualquier otra basura en la calle.

Lamentamos la inconveniencia que causara este trabajo y les agradecemos por su cooperación y asistencia en el mejoramiento de su calle.

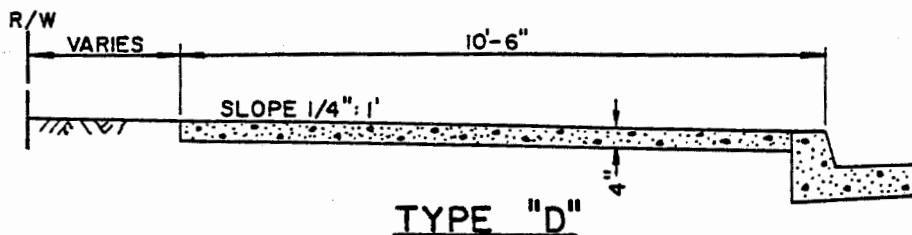
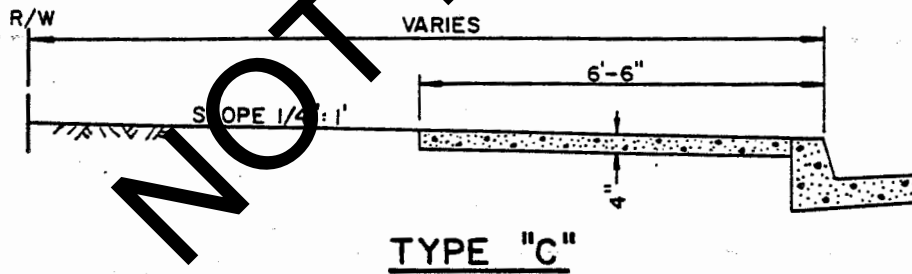
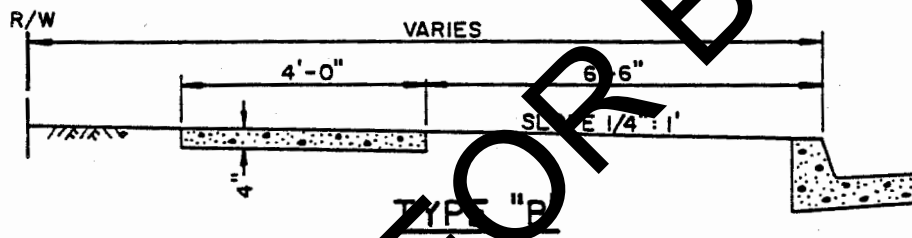
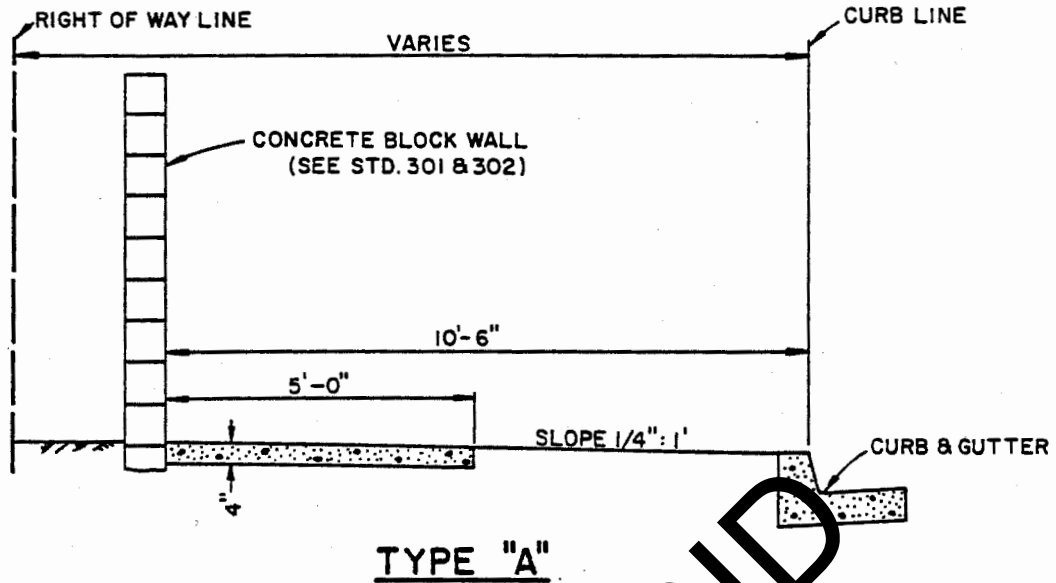
**Muchas Gracias.**

**(Company name)**

**(Company contact name)**

**(Company phone number)**

**Si necesita asistencia favor de hablar al Departamento de Obras Publicas, (909) 387-7920.**



1. TYPE "C" SIDEWALKS ADJACENT TO CURB SHALL ONLY BE USED ON LOCAL AND COLLECTOR STREETS AND ONLY UPON APPROVAL OF THE TRANSPORTATION DEPT.
2. SIDEWALK SHALL BE CONSTRUCTED OF CLASS "B" CONCRETE.
3. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED ON 10' SPACING.
4. SCORING SIDEWALK WILL BE PERMITTED.
5. IN EXPANSIVE SOIL AREAS, REFER TO SECTION 73 OF THE COUNTY SPECIFICATIONS.

San Bernardino County Transportation Department

APP MAR 1975

John R. Shone  
DIRECTOR OF TRANSPORTATION

SIDEWALK

109

FOR SECTION A-A  
SEE SHEET 2 OF 2

\* - SEE NOTE 1

FOR GROOVING DETAIL  
SEE SHEET 2 OF 2

4' SIDEWALK  
6' FROM CURB

6' SIDEWALK  
ADJACENT TO CURB

MINIMUM CURB RETURN RADIUS REQUIRED	
INTERSECTING STREETS:	RADIUS
LOCAL STREET AND LOCAL STREET	20'
LOCAL STREET AND COLLECTOR ST.	30'
SECONDARY HWY. OR GREATER	35'
SECONDARY HWY. OR GREATER	50'

< (RESIDENTIAL)  
< (COMMERCIAL/  
INDUSTRIAL)

RAMP DIMENSION TABLE		
	8" C.F.	6" C.F.
"D"	11'-0"	8'-0"
"W"	7'-0"	5'-0"

C.F. = CURB FACE

NOTES:

- SIDEWALK WIDTH SHALL BE 5' WHEN ADJACENT TO BLOCK WALL OR OTHER OBSTRUCTION. FOR BLOCK WALL LOCATION AT INTERSECTION SEE COUNTY STD. 302.
- THE DETECTABLE WARNING SURFACE SHALL BE CONSTRUCTED BY CAST-IN-PLACE METHOD OR SHALL CONSIST OF A PREFABRICATED SURFACE, APPROVED BY THE COUNTY ENGINEER. A GLUE DOWN DETECTABLE WARNING SURFACE IS NOT ALLOWED.
- FOR RIGHT-OF-WAY LOCATION SEE PROJECT PLANS.

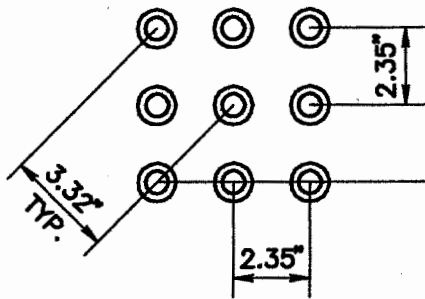
WPJ INDICATES WEAKENED PLANE JOINT

EJ INDICATES 1/4" PREMOLDED EXPANSION JOINT FILLER PER ASTM DESIGNATION D 1751.

SEE TERRAMODEL FILE - N:\M2201\ MISCDET.PRO

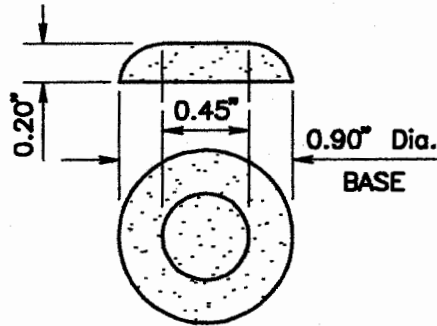
CO. OF SAN BDNO. DEPT. OF PUBLIC WORKS		<h3>CURB RETURN WITH SIDEWALK RAMP</h3>	<p>110 1 OF 2</p>
REVISED: DATE	<p><b>PATRICK J. MEAD</b> Director of Public Works</p>		
G.M. 12-05			
G.M. 3-06			





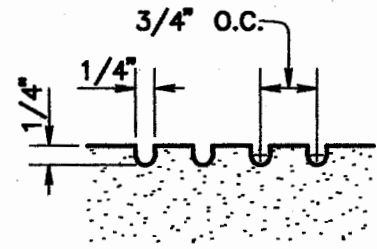
**TRUNCATED  
DOME PATTERN**

**DETECTABLE WARNING SURFACE**

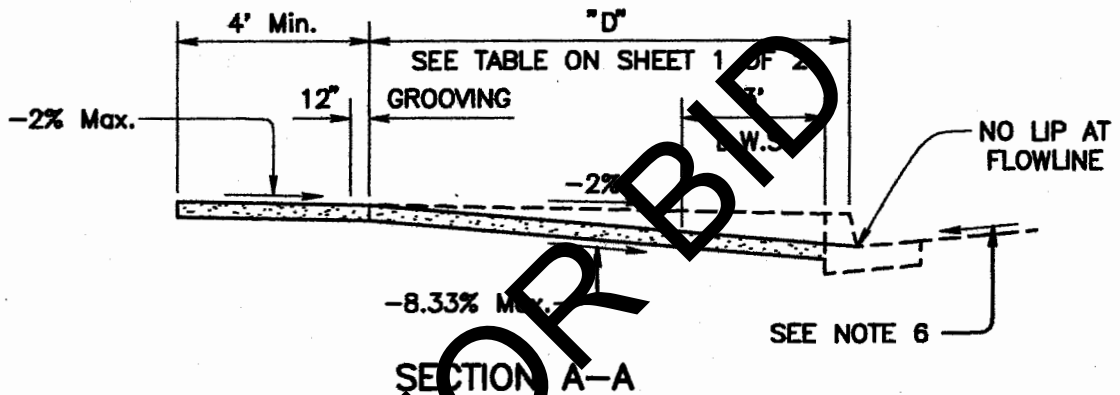


**TRUNCATED  
DOME DETAIL**

**RAISED TRUNCATED DOME**



**GROOVING DETAIL**



**NOTES:**

1. THE SIDEWALK AND RAMP THICKNESS SHALL BE 4" MINIMUM.
2. THE SIDEWALK RAMP SLOPE SHALL BE 8.33% MAXIMUM.
3. THE RAMP SHALL HAVE A 12" WIDE BORDER WITH 1/4" GROOVES AT 3/4" O.C. PER GROOVING DETAIL IN THIS DRAWING.
4. THE RAMP SHALL HAVE A TRANSVERSE BROOM FINISH TEXTURE ROUGHER THAN THE SURROUNDING SIDEWALK.
5. TRANSITIONS FROM RAMPS TO WALKS, GUTTERS OR STREETS SHALL BE FLUSH AND FREE OF ADRUPT CHANGES.
6. THE MAXIMUM SLOPE OF THE ROAD SURFACE IMMEDIATELY ADJACENT TO THE CURB RAMP SHALL NOT EXCEED 5 PERCENT WITHIN 4' OF THE RAMP.
7. THE EDGE OF THE DETECTABLE WARNING SURFACE NEAREST THE STREET SHALL BE BETWEEN 5" AND 8" FROM THE GUTTER FLOWLINE.
8. MODIFICATIONS TO LOCATION OR DIMENSIONS OF RAMP SHALL REQUIRE APPROVAL OF COUNTY ENGINEER AND SHALL BE SHOWN ON APPROVED PLANS.
9. UTILITY PULL BOXES, MANHOLES, VAULTS AND ALL OTHER UTILITY FACILITIES WITHIN THE BOUNDARIES OF THE CURB RAMP WILL BE RELOCATED OR ADJUSTED TO GRADE BY THE OWNER PRIOR TO, OR IN CONJUNCTION WITH, CURB RAMP CONSTRUCTION.

D.W.S. - DETECTABLE WARNING SURFACE

SEE TERRAMODEL FILE -- N:\M2201\ MISCDET1.PRO

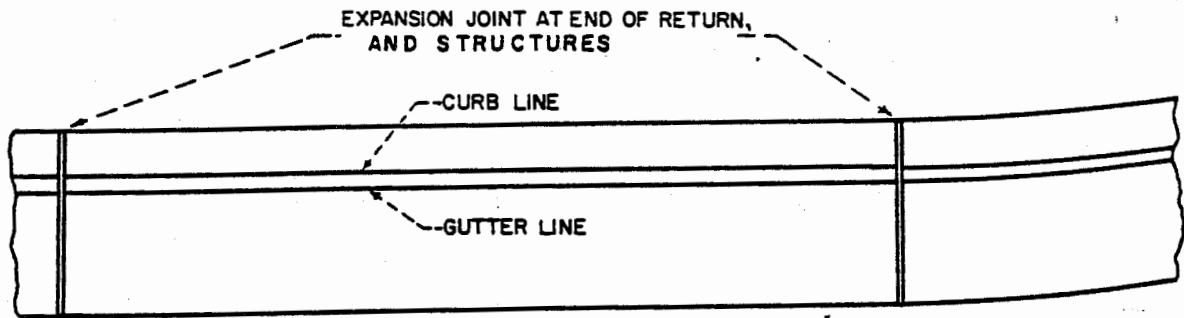
CO. OF SAN BDNO. DEPT. OF PUBLIC WORKS

REVISED:	DATE
G.M.	12-05
G.M.	3-06

**PATRICK J. MEAD**  
Director of Public Works

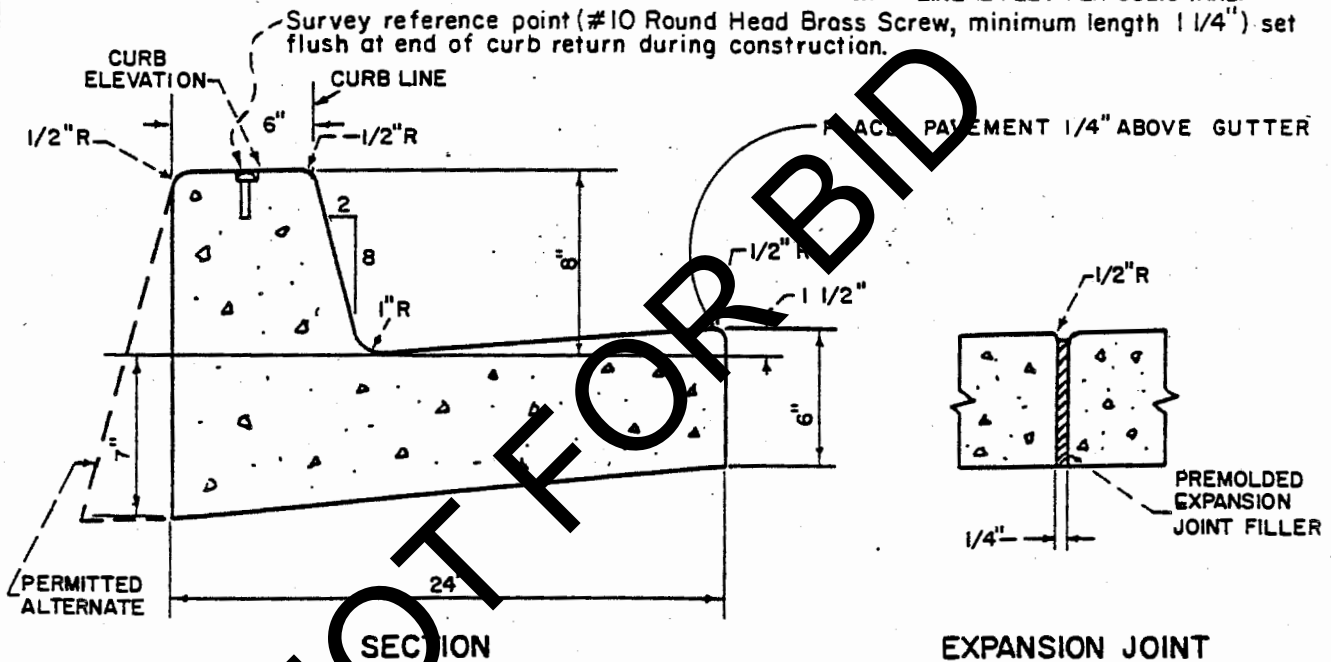
**SIDEWALK RAMP**

**110**  
2 OF 2



**PLAN**

0.0535 CUBIC YARDS PER LINEAL FOOT.  
18.7 LINEAL FEET PER CUBIC YARD.



NOTES:

1. CURB AND GUTTER SHALL BE CONSTRUCTED MONOLITHICALLY OF ~~CLASS "B"~~ <sup>MINOR</sup> CONCRETE.
2. WIDTHS OF STANDARD STREET SECTIONS SHOWN ON PLANS ARE TO CURB LINE UNLESS OTHERWISE INDICATED.
3. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED AT 10-FOOT INTERVALS, EXCEPT THAT THE INTERVAL SHALL BE VARIED TO ALLOW MATCHING OF JOINTS IN ADJACENT EXISTING IMPROVEMENTS
4. CURING COMPOUND SHALL BE SPRAYED UNIFORMLY ON EXPOSED SURFACES.
5. WHEN CURB AND GUTTER IS PLACED BY AN EXTRUSION MACHINE MINOR FINISHING MAY BE DONE TO PROVIDE AN ACCEPTABLE FINISH AND THE WEAKENED PLANE JOINTS MAY BE SAWCUT.

SAN BERNARDINO COUNTY ROAD DEPARTMENT

REV. V.E.H.3-74

REV. V.E.H.7-76

Rev VEH 2-79

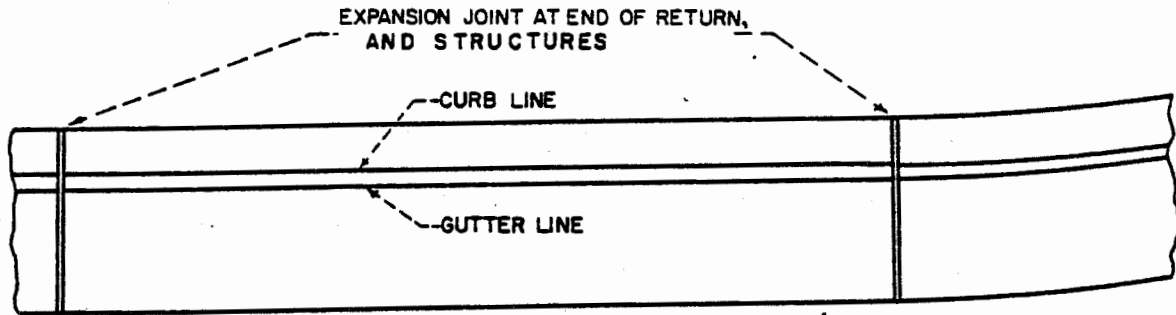
John R. Shone

COUNTY HIGHWAY ENGINEER

8"

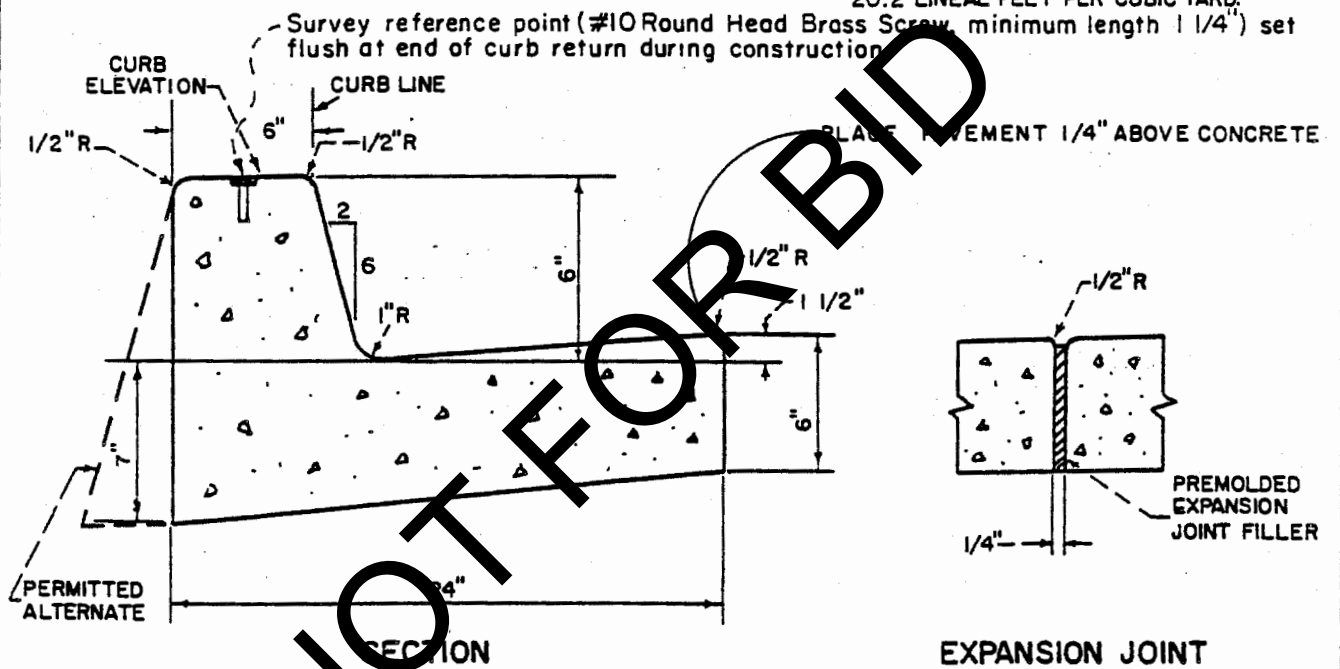
CURB AND GUTTER

115



**PLAN**

0.0495 CUBIC YARDS PER LINEAL FOOT.  
20.2 LINEAL FEET PER CUBIC YARD.



**NOTES:**

1. 6" CURB SHALL ONLY BE USED ON LOCAL STREETS WHERE DRAINAGE PERMITS.
2. CURB AND GUTTER SHALL BE CONSTRUCTED MONOLITHICALLY OF CLASS "B" CONCRETE. MINOR
3. WIDTHS OF STANDARD STREET SECTIONS SHOWN ON PLANS ARE TO CURB LINE UNLESS OTHERWISE INDICATED.
4. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED AT 10-FOOT INTERVALS, EXCEPT THAT THE INTERVAL SHALL BE VARIED TO ALLOW MATCHING OF JOINTS IN ADJACENT EXISTING IMPROVEMENTS
5. CURING COMPOUND SHALL BE SPRAYED UNIFORMLY ON EXPOSED SURFACES.
6. WHEN CURB AND GUTTER IS PLACED BY AN EXTRUSION MACHINE MINOR FINISHING MAY BE DONE TO PROVIDE AN ACCEPTABLE FINISH AND THE WEAKENED PLANE JOINTS MAY BE SAWCUT.

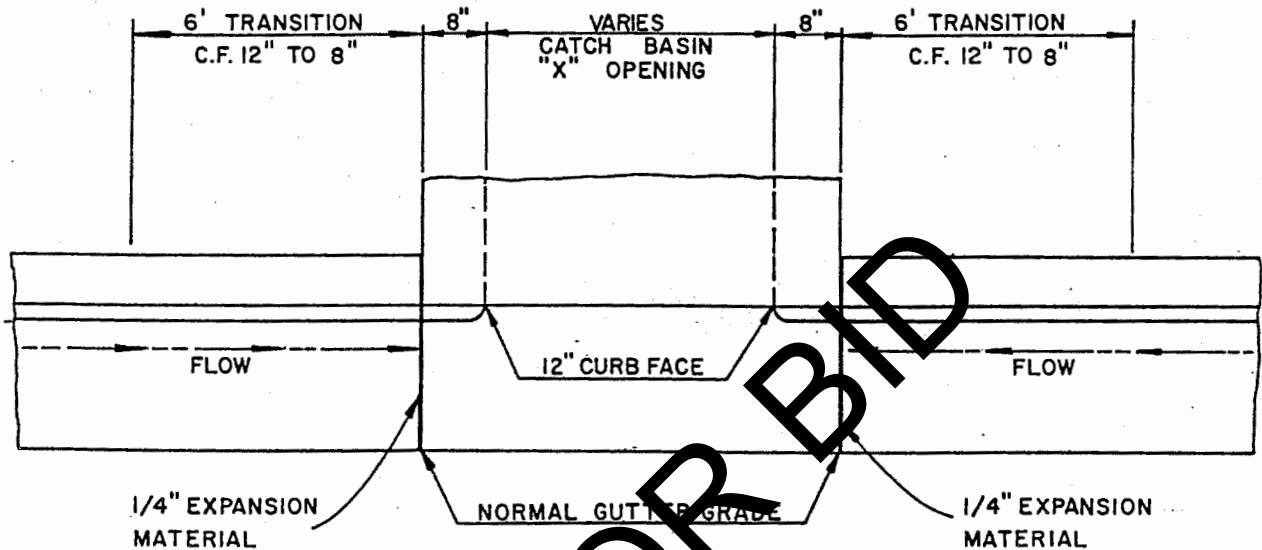
SAN BERNARDINO COUNTY TRANS. DEPARTMENT

APPR. 3-75  
Rev. VEH 2-79

John R. Shone  
DIRECTOR OF TRANSPORTATION

6"  
CURB AND GUTTER

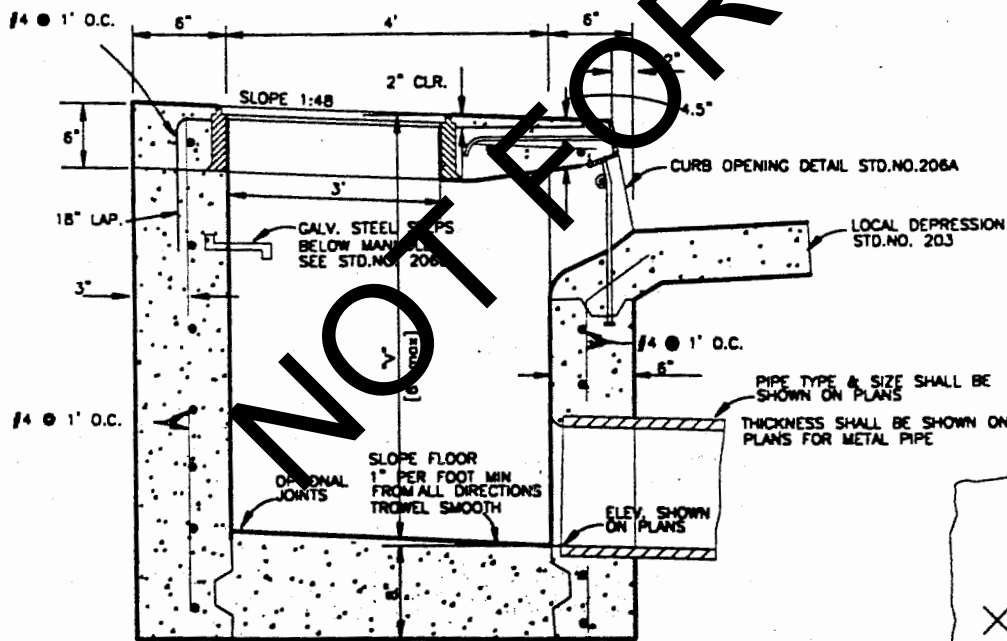
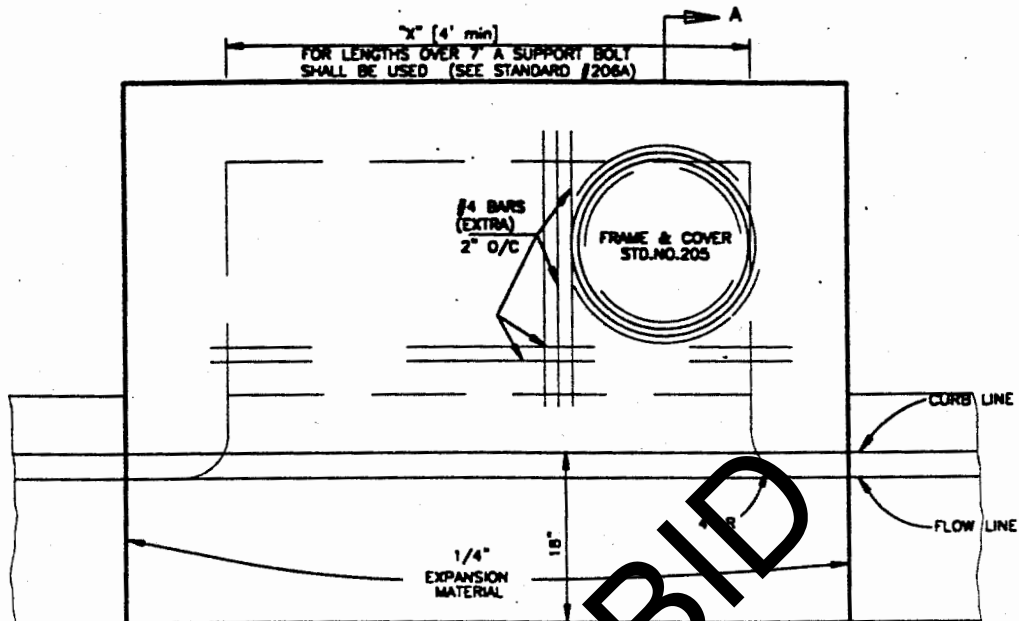
116



NOT FOR BID

**NOTES:**

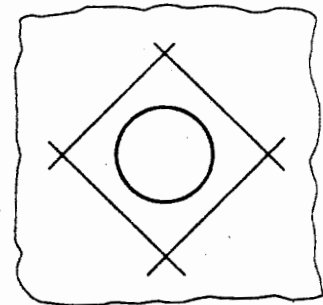
1. LOCAL DEPRESSION SHALL BE CONSTRUCTED OF ~~CLASS B~~ <sup>MINOR</sup> CONCRETE 6" THICK.
2. CURB AND GUTTER SHALL BE CONSTRUCTED PRIOR TO CONSTRUCTING TOP OF CATCH BASIN AND CURB TRANSITIONS.



SECTION A-A

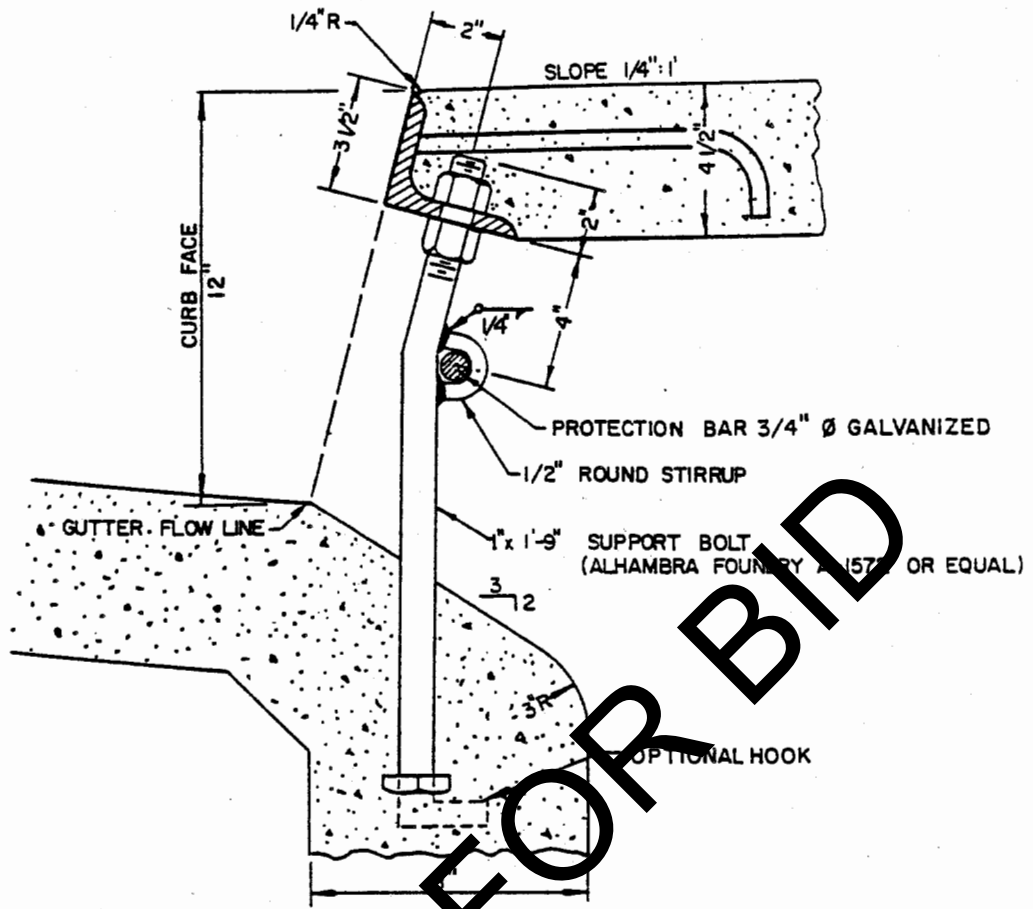
NOT TO SCALE  
NOTES:

1. ALL REINFORCING SHALL BE #4 BARS @ 1' O.C. BOTH WAYS IN TOP SLAB AND WALLS.
2. CATCH BASIN SHALL BE CONSTRUCTED OF CLASS "A" CONCRETE.
3. CURB & GUTTER ADJOINING CATCH BASIN SHALL BE CONSTRUCTED PRIOR TO CONSTRUCTING TOP OF CATCH BASIN.

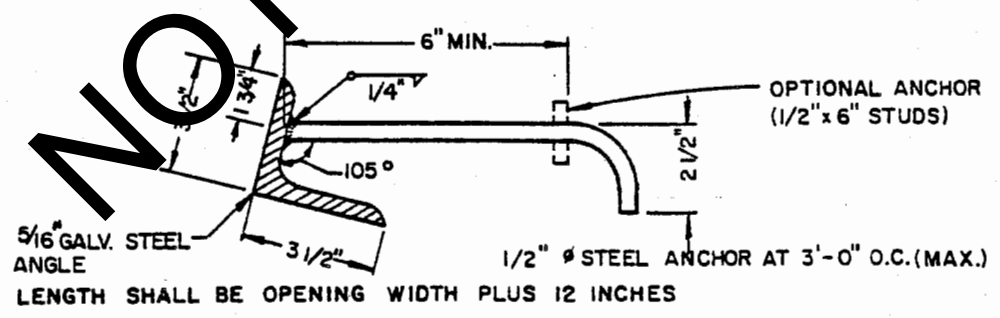


DETAIL OF REINFORCEMENT  
AROUND PIPE

SAN BERNARDINO COUNTY TRANS. DEPT.		TYPE "A" CATCH BASIN	206
KEN A. MILLER Director of Transportation			



**STEEL ANGLE & SUPPORT BOLT DETAIL**

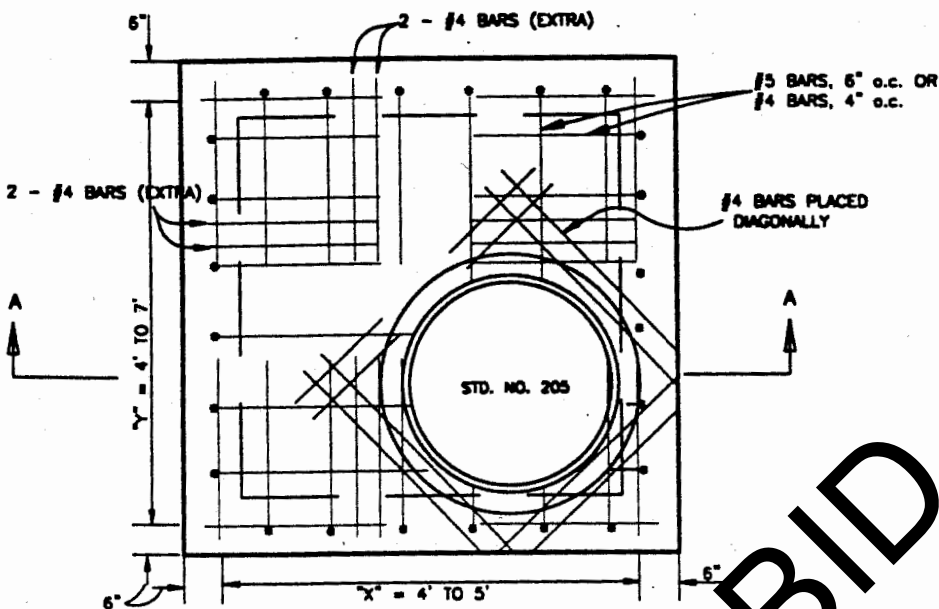


**STEEL ANGLE ANCHOR**

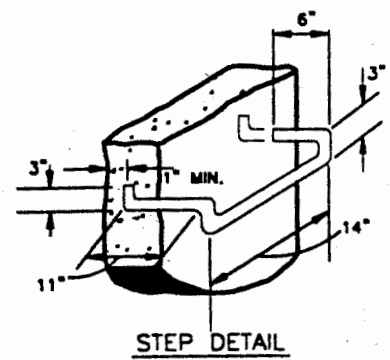
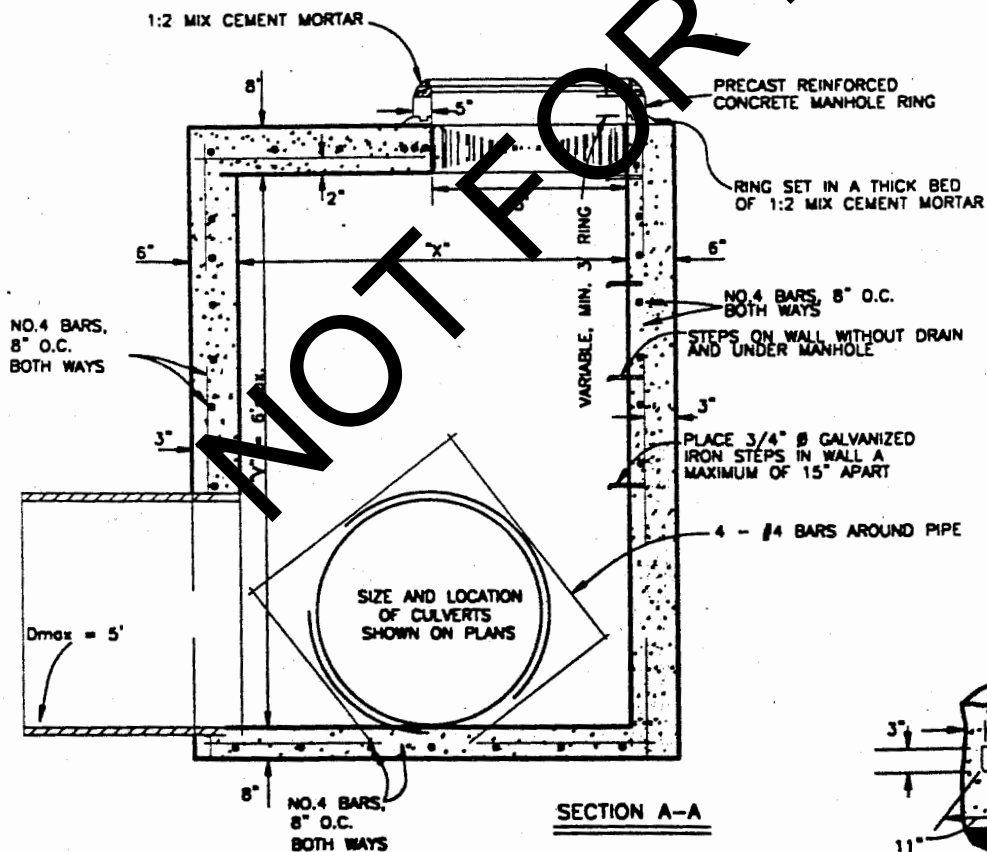
**NOTES:**

1. A PLAIN ROUND GALVANIZED STEEL PROTECTION BAR 3/4" IN DIA. SHALL BE INSTALLED AND EMBEDDED 6" AT EACH END.
2. ALL EXPOSED METAL PARTS SHALL BE GALVANIZED. (EXCEPT FRAME AND COVER)
3. SUPPORT BOLTS SHALL BE UNIFORMLY SPACED BUT NOT TO EXCEED 7' ON CENTER.
4. STEEL ANGLE SHALL BE BENT TO MATCH CURB ALIGNMENT.

SAN BERNARDINO COUNTY TRANS. DEPT.		<b>CATCH BASIN OPENING</b>	<b>206a</b>
L. J.F. 12-74	John R. Shone Director of Transportation		



X': SHOWN ON PLANS.  
 Y': SHOWN ON PLANS.  
 V': SHOWN ON PLANS.



**NOTES:**

1. STORM DRAIN CLEANOUT SHALL BE CONSTRUCTED OF CLASS "A" CONCRETE.
2. CLEARANCE FROM I.O. OF PIPE TO CLEANOUT WALL SHALL BE 4" MIN.
3. APPROVED PRECAST CONCRETE MANHOLE SHAFT RINGS WILL BE ACCEPTED IN LIEU OF CAST-IN-PLACE SHAFT

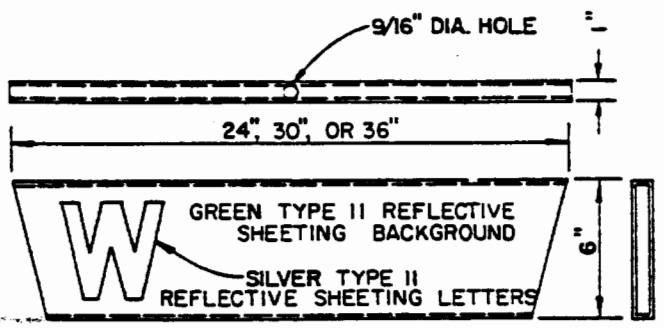
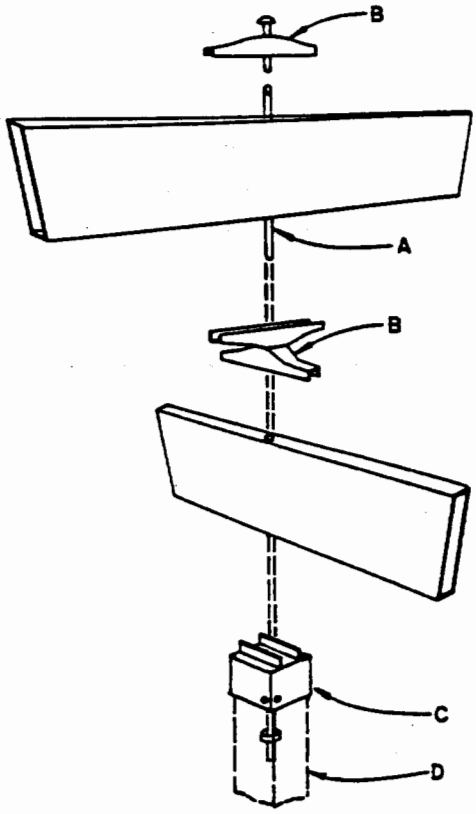
SAN BERNARDINO COUNTY TRANS. DEPT.

KEN A. MILLER  
 Director of Transportation

STORM DRAIN CLEANOUT

208





A  $\frac{3}{8}$ " X 15" CADMIUM PLATED CARRIAGE BOLT.

B ORNAMENTAL TOP SHALL BE 14 GAGE ANODIZED ALUMINUM. CENTER CROSS SADDLE SHALL BE ONE PIECE CAST ANODIZED ALUMINUM.

C ONE PIECE CAST ANODIZED ALUMINUM POST CAP WITH FOUR  $\frac{3}{8}$ " STAINLESS STEEL ALLEN HEAD SET SCREWS.

D  $2\frac{1}{2}$ " SQ. STEEL POST 8'-12' LONG INSTALLED WITH A DRIVEN 2 1/2" SQ. STEEL BREAKAWAY BASE 3' LONG AS PER COUNTY INSTALLATION STD. 303b.

**ASSEMBLY**

DESIGN: EACH FOUR-WAY UNIT SHALL CONSIST OF TWO DOUBLE FACE SIGNS WITH STREET NAMES MOUNTED AT RIGHT ANGLES WITH CENTER ROD ASSEMBLY.

BRACKET ASSEMBLY: THE POST CAP, ORNAMENT, AND CENTER ROD ASSEMBLY SHALL BE MADE TO MOUNT ON 2" SQ. GALVANIZED POST. THE CENTER ROD SHALL BE A  $\frac{3}{8}$ " CADMIUM PLATED CARRIAGE BOLT. HEAD OF BOLT SHALL FORM TOP OF ORNAMENT. BOLT SHALL EXTEND THROUGH SIGNS AND FASTEN WITH NUT INSIDE OF POST CAP. POST CAP SHALL BE DEEPLY GROOVED TO SECURELY HOLD SIGN FROM TWISTING AND SHALL BE SECURED TO THE PIPE WITH THREE  $\frac{3}{8}$ " STAINLESS STEEL ALLEN HEAD SET SCREWS.

MATERIAL: SIGN SHALL BE GREEN ANODIZED ALUMINUM EXTRUSION OF 6063T-4 ALLOY MATERIAL. ALL ANODIZING SHALL CONFORM WITH ALUMILITE SPECIFICATION #215-R1.

FINISH: SIGN FACES SHALL BE FHWA TYPE II REFLECTIVE SHEETING. THE TRANSPARENT SCREEN PROCESS COLOR SHALL BE AS RECOMMENDED BY THE REFLECTIVE SHEETING MANUFACTURER. APPLICATION OF THE REFLECTIVE SHEETING TO THE SIGN SHALL BE BY METHODS AS APPROVED BY THE REFLECTIVE SHEETING MANUFACTURER.

LETTERING: STREET NAMES SHALL BE 4" HIGH. EACH NAME SHALL BE INDIVIDUALLY LAID OUT TO FIT EITHER THE 24" OR 30" SPACE. THE LETTERS SHALL BE OF THE ROUNDED TYPE STYLE CONFORMING WITH THE STANDARD ALPHABET FOR HIGHWAY SIGNS DESIGNED BY THE U.S. PUBLIC ROADS ADMINISTRATION. LETTERS SHALL BE FHWA TYPE II REFLECTIVE SHEETING.

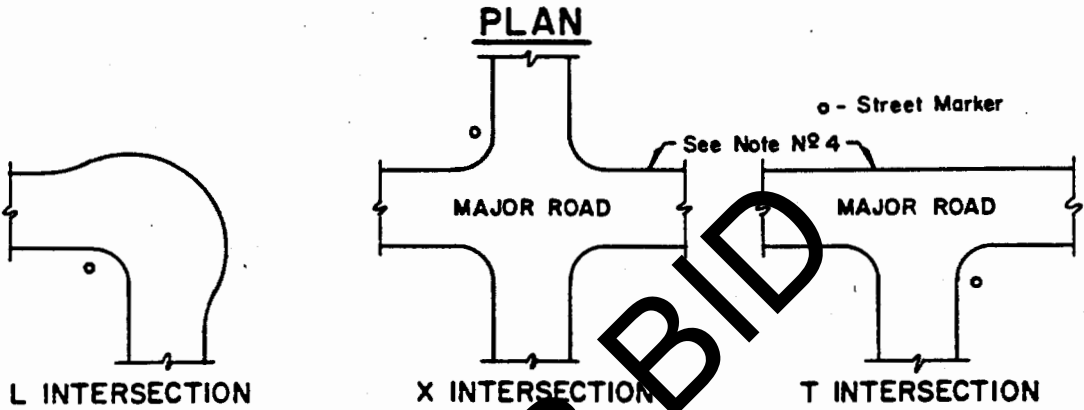
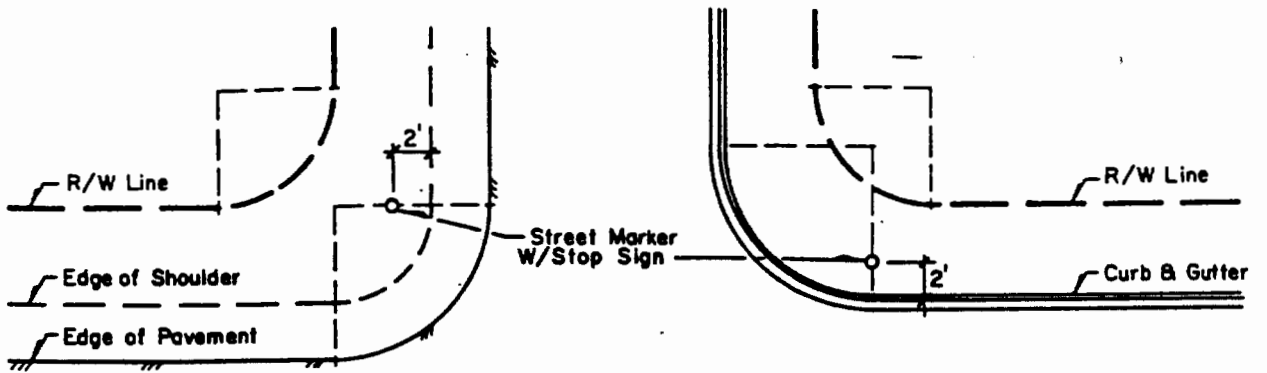
SAN BERNARDINO COUNTY ROAD DEPARTMENT

DATE: J.E.M. 11-65  
E.A.J. 10-81

M. A. Nicholas  
COUNTY ENGINEER

STREET MARKER

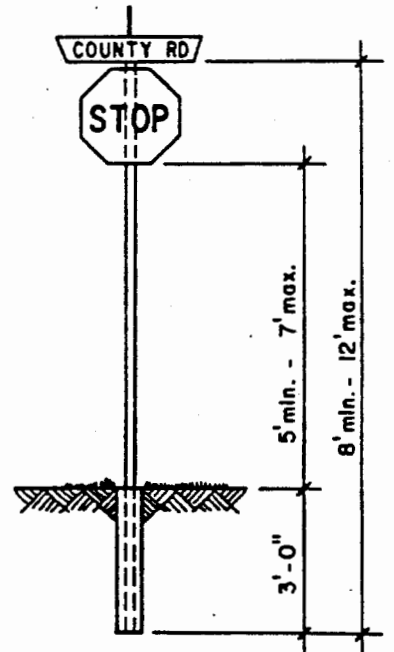
303



**TYPICAL LOCATION**

**NOTES:**

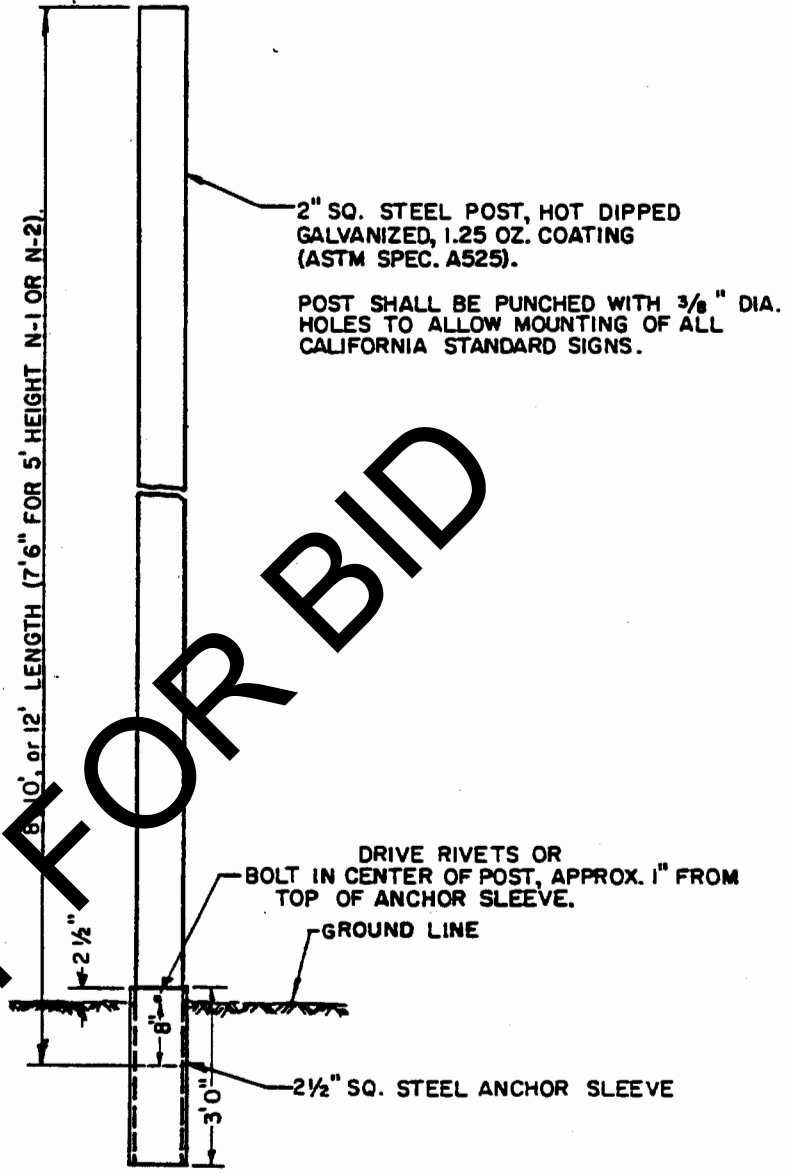
1. Marker To Be Set On County Right Of Way.
2. Location Of Marker Shows Approximate.
3. Markers To Be Visible For A Distance Of 150 Feet.
4. If Either Road Is Divided Into 4 Lanes Or More (Major Road), Additional Markers Will Be Required.
5. Street Markers Located At Major Roads Will Be Mounted On 12 Foot Posts To Accommodate A Stop Sign.



**ELEVATION**

SAN BERNARDINO COUNTY TRANS. DEPT.		<b>STREET MARKER</b>	<b>303a</b>
OCT. 5, 1993 v.h.c. REV. 3/1/94	<b>KEN A. MILLER</b> Director of Transportation		

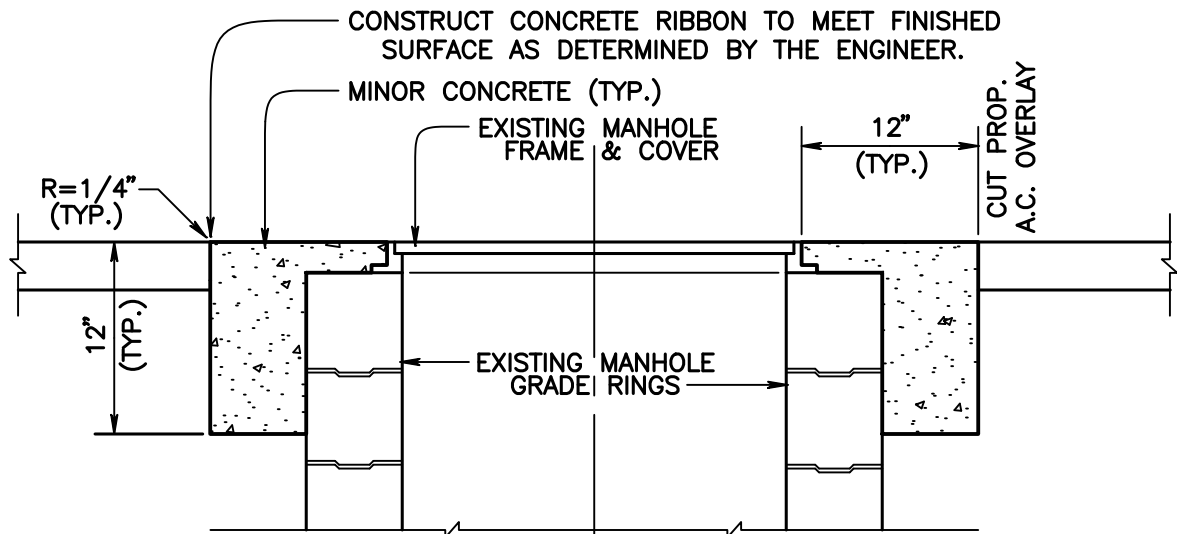
NOT FOR BID



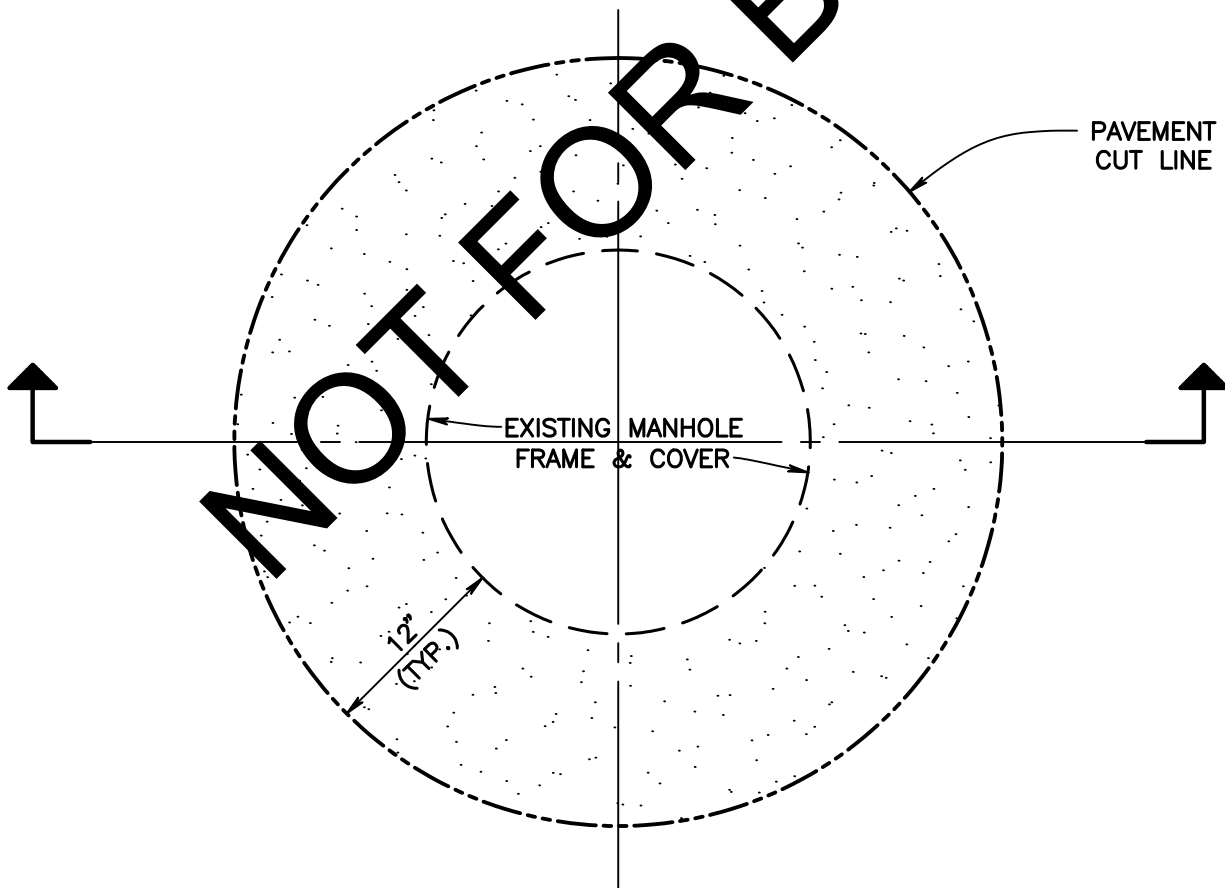
**NOTES:**

1. SEE STANDARD NO. 303e FOR MARKER LOCATIONS.
2. POST SHALL BE 2" SQ. STEEL AS SHOWN AND STATED.
3. ANCHOR SLEEVE SHALL BE 2 1/2" SQ. STEEL HOT DIPPED GALVANIZED AFTER FABRICATION (ASTM SPEC. A-123).
4. SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH COUNTY STANDARD 303.

SAN BERNARDINO COUNTY ROAD DEPARTMENT		<b>STREET MARKER POST INSTALLATION</b>	<b>303 b</b>
H.G. 1-71 <i>R.O.L. 10-81</i>	<b>M. A. Nicholas</b> COUNTY ENGINEER		

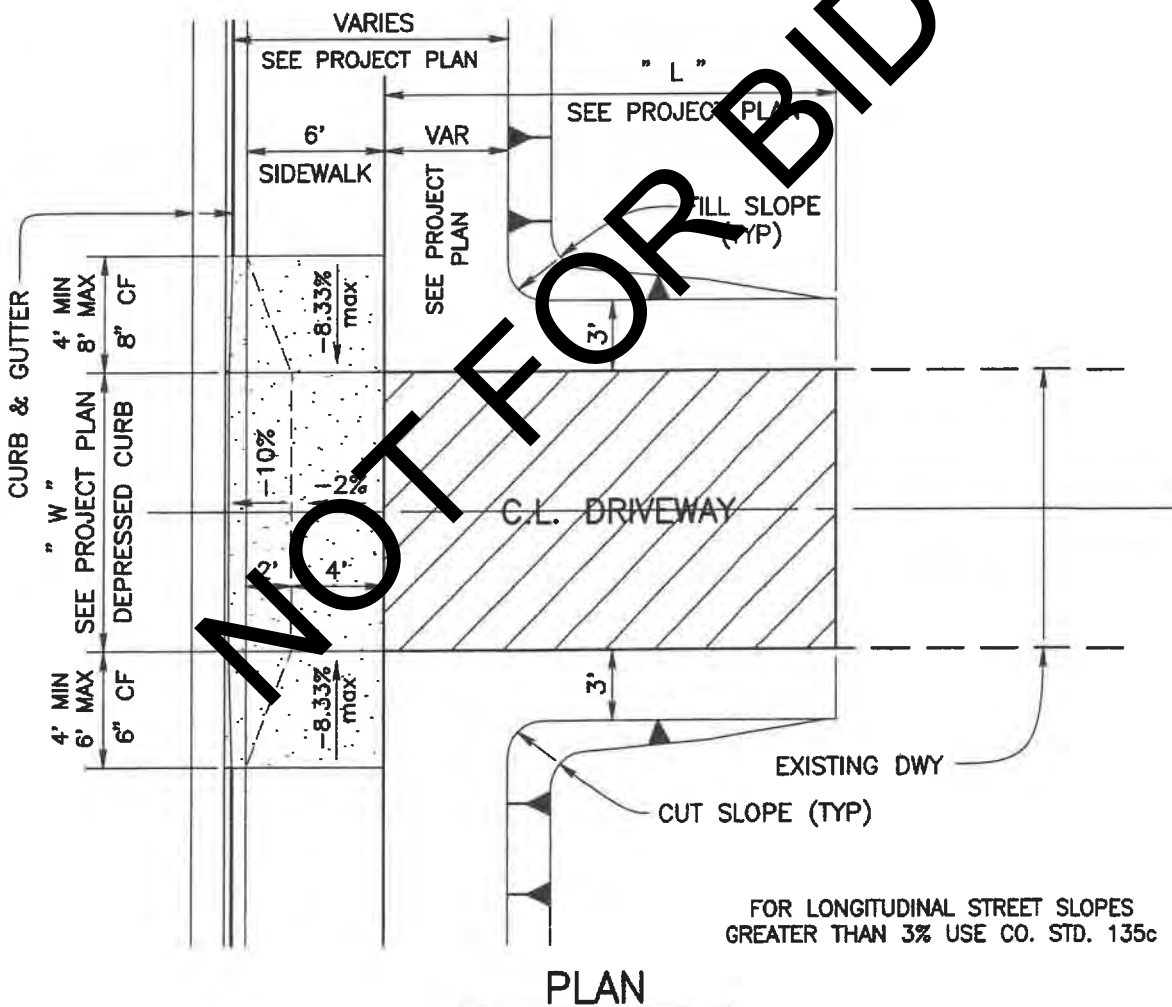
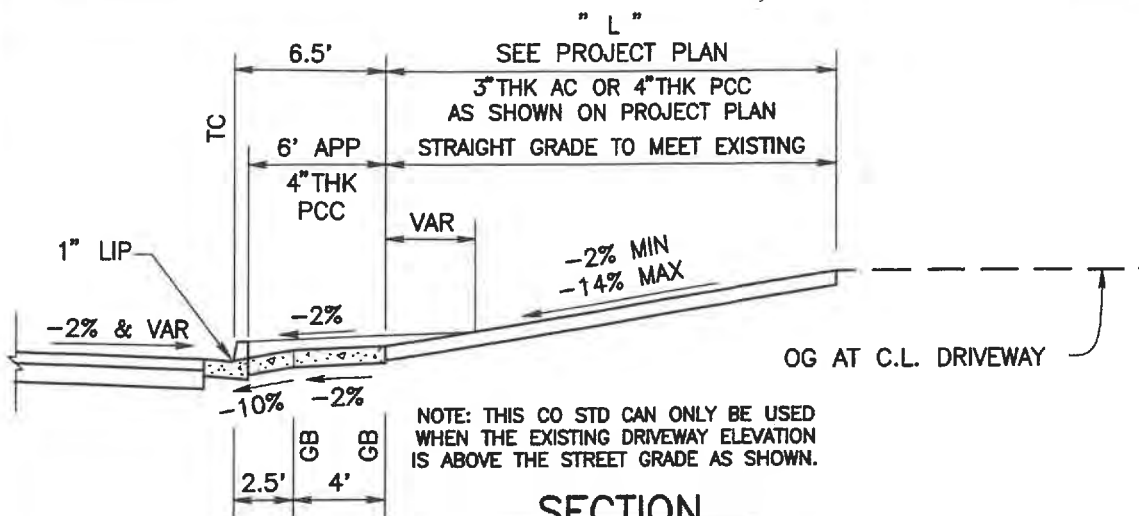


SECTION

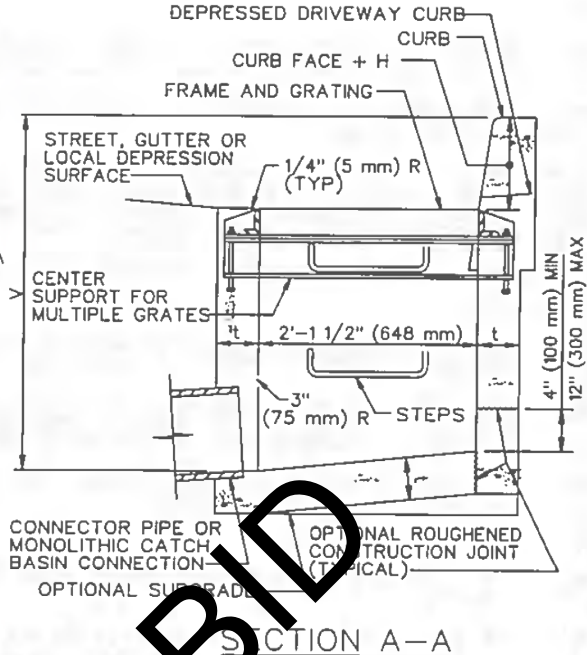
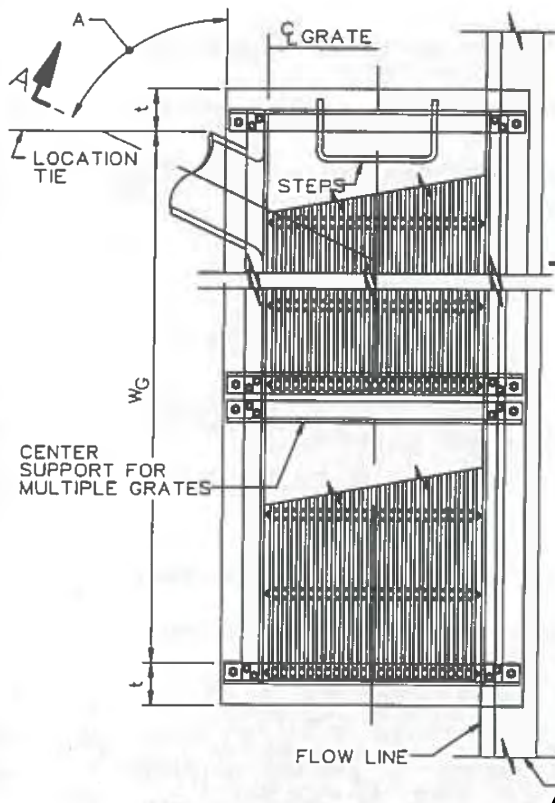


PLAN

CO. OF SAN BDNO. DEPT. OF PUBLIC WORKS		MANHOLE (CONCRETE COLLAR)	SPEC DWG 106
REVISED: DATE	DESIGN DIVISION		



CO. OF SAN BDNO. DEPT. OF PUBLIC WORKS		RESIDENTIAL DRIVEWAY WITH CURB, 6' APP & 6' SIDEWALK	SPEC DWG 135b
REVISED: DATE	DESIGN DIVISION		
GM 1-11			



PLAN

SECTION A-A

NOT FOR BID

STRUCTURAL DATA			
WALL AND SLAB DIMENSIONS AND REINFORCEMENT REQUIREMENTS			
NO. OF GRATES	MAX V	t	REINFORCEMENT FOR WALLS AND SLABS
1-2	4' (1.2 m)	6" (150 mm)	NOT REQUIRED
1-2	8' (2.4 m)	8" (200 mm)	
1-2	10' (3.0 m)	10" (250 mm)	
1-2	12' (3.5 m)	10" (250 mm)	REQUIRED
3-4	4' (1.2 m)	6" (150 mm)	NOT REQUIRED
3-4	7' (2.0 m)	8" (200 mm)	
3-4	8' (2.4 m)	8" (200 mm)	
3-4	12' (3.5 m)	10" (250 mm)	REQUIRED
5-6	4' (1.2 m)	6" (150 mm)	NOT REQUIRED
5-6	6' (1.8 m)	8" (200 mm)	
5-6	8' (2.4 m)	8" (200 mm)	
5-6	12' (3.5 m)	8" (200 mm)	REQUIRED
> 6	4' (1.2 m)	6" (150 mm)	
> 6	8' (2.4 m)	8" (200 mm)	
> 6	12' (3.5 m)	10" (250 mm)	

NOTES:

1. SURFACE OF ALL EXPOSED CONCRETE SHALL CONFORM IN SLOPE GRADE, COLOR, FINISH, AND SCORING TO THE EXISTING OR PROPOSED CURB ADJACENT TO THE BASIN.
2. ALL CURVED CONCRETE SURFACES SHALL BE FORMED BY CURVED FORMS, AND SHALL NOT BE SHAPED BY PLASTERING.
3. FLOOR OF BASIN SHALL BE GIVEN A STEEL TROWEL FINISH AND SHALL HAVE A LONGITUDINAL AND LATERAL SLOPE OF 1V:12H MINIMUM AND 1V:3H MAXIMUM, EXCEPT WHERE THE GUTTER GRADE EXCEEDS 8%, IN WHICH CASE THE LONGITUDINAL SLOPE OF THE FLOOR SHALL BE THE SAME AS THE GUTTER GRADE. SLOPE FLOOR FROM ALL DIRECTIONS TO THE OUTLET.
4. ONE GRATING IS REQUIRED UNLESS OTHERWISE SHOWN ON THE PLANS.
5. DIMENSIONS:

$V$  = THE DIFFERENCE IN ELEVATION BETWEEN THE TOP OF THE CURB AND THE INVERT OF THE CATCH BASIN AT THE OUTLET = 4.5' (1.35 m).

$V_U$  = THE DIFFERENCE IN ELEVATION BETWEEN THE TOP OF THE CURB AND THE INVERT AT THE UPSTREAM END OF THE BASIN. IT SHALL BE DETERMINED BY THE REQUIREMENTS OF NOTE 3, BUT SHALL NOT BE LESS THAN CURB FACE PLUS 12" (300 mm).

$V_I$  = THE DIFFERENCE IN ELEVATION BETWEEN THE TOP OF THE CURB AND THE INVERT AT THE INLET. NOTED ON THE PLANS.

$H$  = NOTED ON THE PLANS.

$W_G$  = 2'-11 3/8" (900 mm) FOR ONE GRATING; ADD 3'-5 3/8" (1051 mm) FOR EACH ADDITIONAL GRATING.

$A$  = THE ANGLE, IN DEGREES, INTERCEPTED BY THE CENTERLINE OF THE CONNECTOR PIPE AND THE CATCH BASIN WALL TO WHICH THE CONNECTOR PIPE IS ATTACHED.

6. PLACE CONNECTOR PIPES AS INDICATED ON THE PLANS. UNLESS OTHERWISE SPECIFIED, THE CONNECTOR PIPE SHALL BE LOCATED AT THE DOWNSTREAM END OF THE BASIN. WHERE THE CONNECTOR PIPE IS SHOWN AT A CORNER, THE CENTERLINE OF THE PIPE SHALL INTERSECT THE INSIDE CORNER OF THE BASIN. THE PIPE MAY BE CUT AND TRIMMED AT A SKEW NECESSARY TO ENSURE MINIMUM 3" (75 mm) PIPE EMBEDMENT, ALL AROUND, WITHIN THE CATCH BASIN WALL, AND 3" (75 mm) RADIUS OF ROUNDOFF OF STRUCTURE CONCRETE, ALL AROUND, ADJACENT TO PIPE ENDS. A MONOLITHIC CATCH BASIN CONNECTION SHALL BE USED TO JOIN THE CONNECTOR PIPE TO THE CATCH BASIN WHENEVER ANGLE "A" IS LESS THAN 70° OR GREATER THAN 110°, OR WHENEVER THE CONNECTOR PIPE IS LOCATED IN A CORNER. THE OPTIONAL USE OF A MONOLITHIC CATCH BASIN CONNECTION IN ANY CASE IS PERMITTED. MONOLITHIC CATCH BASIN CONNECTIONS MAY BE CONSTRUCTED TO AVOID CUTTING STANDARD LENGTHS OF PIPE.
7. STEPS SHALL BE LOCATED AS SHOWN. IF THE CONNECTOR PIPE INTERFERES WITH THE STEPS, THEY SHALL BE LOCATED AT THE CENTERLINE OF THE DOWNSTREAM GRATING. STEPS SHALL BE SPACED 12" (300 mm) APART. THE TOP STEP SHALL BE 7" (175 mm) BELOW THE TOP OF THE GRATING AND PROJECT 2 1/2" (63 mm). ALL OTHER STEPS SHALL PROJECT 5" (130 mm).
8. THE FOLLOWING SPPWC ARE INCORPORATED HEREIN:
  - 308 MONOLITHIC CATCH BASIN CONNECTION
  - 309 CATCH BASIN REINFORCEMENT
  - 311 FRAME AND GRATING FOR CATCH BASINS
  - 635 STEEL STEP
  - 636 POLYPROPYLENE PLASTIC STEP

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

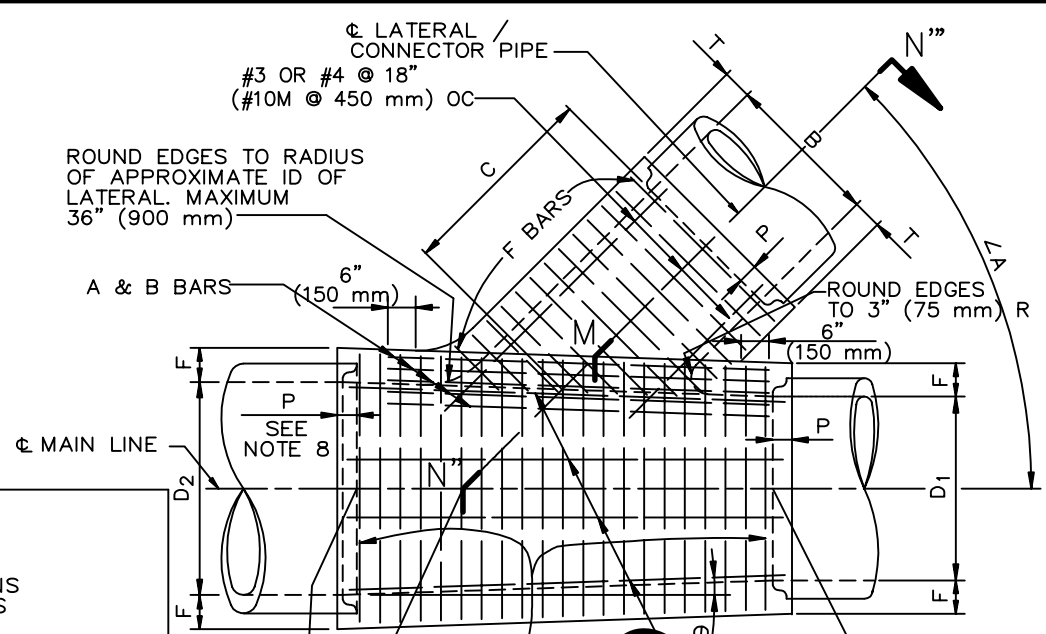
STANDARD PLAN

**CURBSIDE GRATING CATCH BASIN**

**303-4**

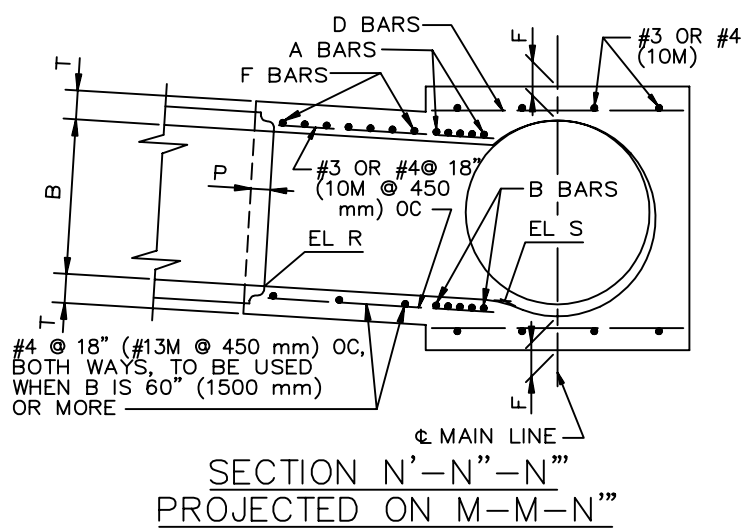
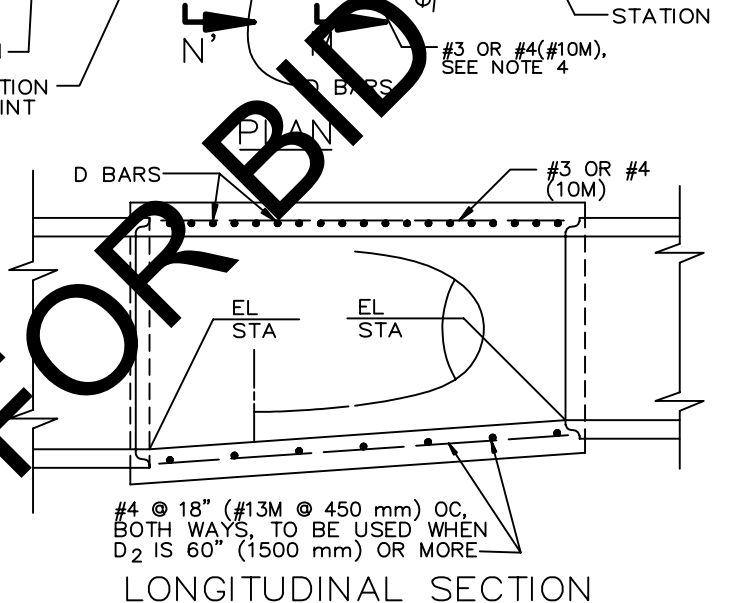
SHEET 2 OF 2





**TABLE**  
 FOR DIMENSIONS AND BAR SIZES

D <sub>2</sub> OR B (INCHES)	(mm)	F OR T		A OR B BARS	D OR F BARS	P (RCP)
		(INCHES)	(mm)			
12	300	4	110	OC	OC	
15	375	4 1/4	110			
18	450	4 1/2	120			
21	525	5	130			
24	600	5 1/4	140			
27	675	5 1/2	140			
30	750	6	160			
33	825	6 1/4	160			
36	900	6 1/2	170			
39	975	7	180			
42	1050	7 1/2	190			
45	1125	7 3/4	200			
48	1200	8	210			
51	1275	8 1/2	220			
54	1350	9	220			
57	1425	9 1/4	240			
60	1500	9 1/2	240			
63	1575	10	260			
66	1650	10 1/4	260			
69	1725	10 3/4	280			
72	1800	11	280			
78	1950	11 3/4	300			
84	2100	12 1/2	320			
90	2250	13 1/4	340			
96	2400	14	360			
102	2550	15 1/2	400			
108	2700	16	410			
114	2850	16 1/2	420			
120	3000	17	440			
126	3150	17	440			
132	3300	17 1/2	450			
138	3450	17 1/2	450			
144	3600	18	460			



STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

PROMULGATED BY THE  
 PUBLIC WORKS STANDARDS INC.  
 GREENBOOK COMMITTEE  
 1992  
 REV. 1995, 2009

**TRANSITION STRUCTURE  
 PIPE TO PIPE**

STANDARD PLAN

**340-2**

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

SHEET 1 OF 2

**SEE OCPW STANDARD PLAN 340-2-OC FOR CONDITIONS**

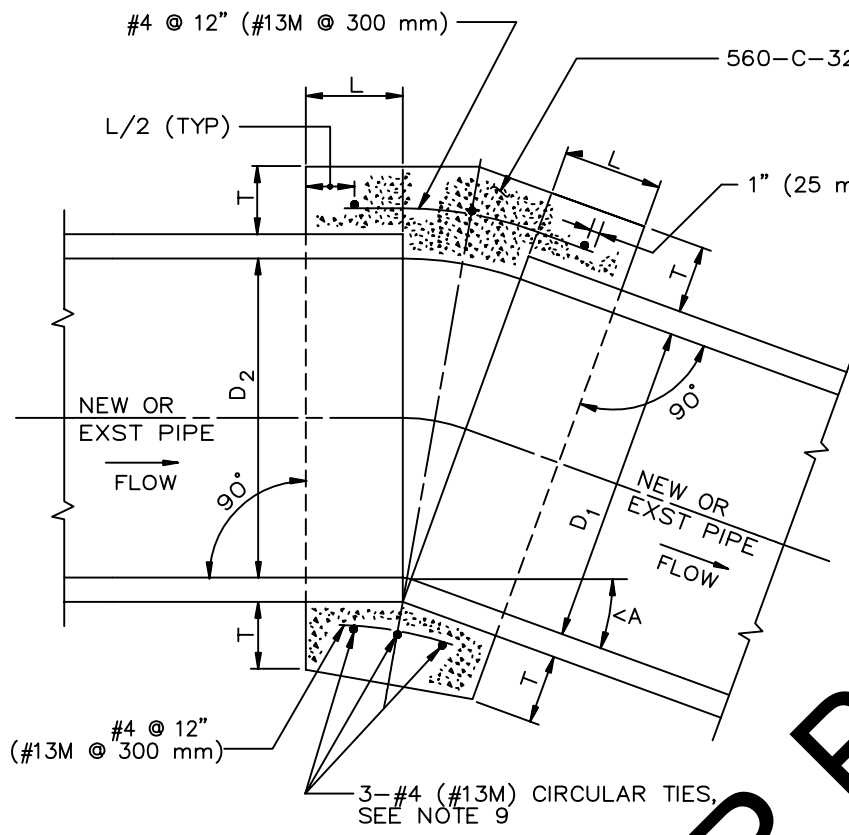
NOTES

1. THE HORIZONTAL ANGLE OF CONVERGENCE OR DIVERGENCE,  $\theta$ , SHALL NOT EXCEED  $5^{\circ} 45'$ .
2. VALUES FOR A, B, C, D<sub>1</sub> AND D<sub>2</sub> ARE SHOWN ON THE PLANS. ELEVATION R AND ELEVATION S ARE SHOWN WHEN REQUIRED BY NOTE 10.
3. FLOOR OF STRUCTURE SHALL BE STEEL TROWELED TO SPRING LINE.
4. REINFORCEMENT STEEL SHALL CONFORM TO ASTM A 615 (A 615 M), GRADE 300 (40), AND SHALL TERMINATE  $1\ 1/2"$  (40 mm) CLEAR OF CONCRETE SURFACES UNLESS OTHERWISE SHOWN. LONGITUDINAL BARS SHALL BE #3 OR #4 @ 18" (#10M @ 450 mm) OC OR LESS.
5. ELEVATION S APPLIES AT INSIDE WALL OF STRUCTURE.
6. TRANSITION STRUCTURE SHALL BE POURED IN ONE CONTINUOUS OPERATION, EXCEPT THAT THE CONTRACTOR SHALL HAVE THE OPTION OF PLACING AT THE SPRING LINE A CONSTRUCTION JOINT LONGITUDINAL KEYWAY.
7. THE LENGTH OF THE STRUCTURE MAY BE INCREASED AT THE OPTION OF THE CONTRACTOR TO MEET RCP ENDS, USING D BARS, LONGITUDINAL AND BOTTOM REINFORCEMENT IN EXTENDED PORTION OF SAME DIAMETER AND SPACING AS SPECIFIED IN THE TABLE, BUT ANY CHANGE IN THE LOCATION OF SPUR MUST BE APPROVED BY THE ENGINEER.
8. EMBEDMENT P SHALL BE AS SPECIFIED IN THE TABLE, UNLESS OTHERWISE SHOWN ON THE PLANS.
9. WHEN THERE IS NO SPUR REQUIRED, A & B BARS SHALL BE OMITTED.
10. WHEN ELEVATION R AND ELEVATION S ARE NOT SHOWN ON PLANS, INLET PIPE SHALL ENTER MAIN LINE RADially. WHEN INLET PIPE ENTERS MAIN LINE OTHER THAN RADially, ELEVATION S SHALL BE SHOWN ON PLANS AND INLET PIPE SHALL BE LAID ON A STRAIGHT GRADE FROM ELEVATION S TO CATCH BASIN OR GRADE BREAK IN INLET LINE. ELEVATION R SHALL BE SHOWN ON THE PLANS ONLY WHEN STUB IS TO BE PROVIDED IN MAIN LINE FOR FUTURE CONSTRUCTION OF INLET PIPE.
11. THE MAXIMUM COVER ABOVE THIS STRUCTURE SHALL BE 25' (7.5 m). IF THE COVER EXCEEDS 25' (7.5 m) A SPECIAL STRUCTURE SHALL BE DESIGNED FOR THE COVER AND DETAILED ON THE PLANS.

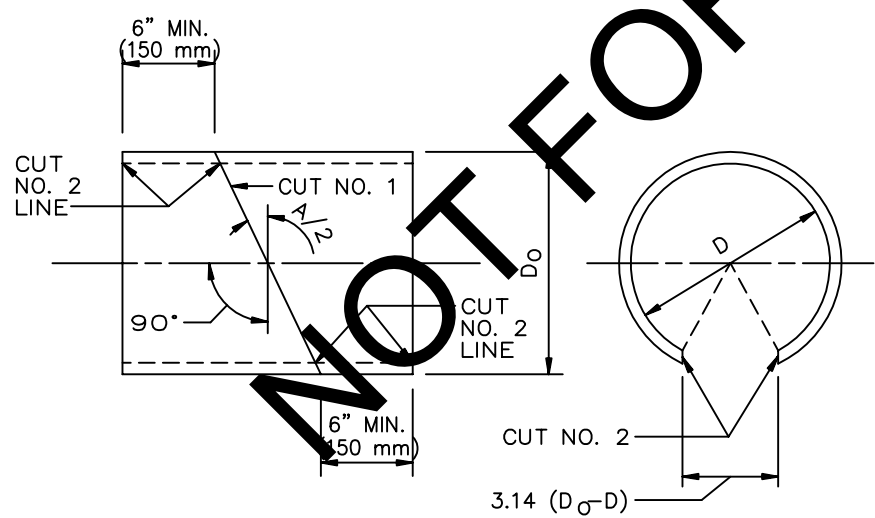
**NOT FOR BIDD**

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION	STANDARD PLAN
<b>TRANSITION STRUCTURE PIPE TO PIPE</b>	<b>340-2</b>
	SHEET 2 OF 2

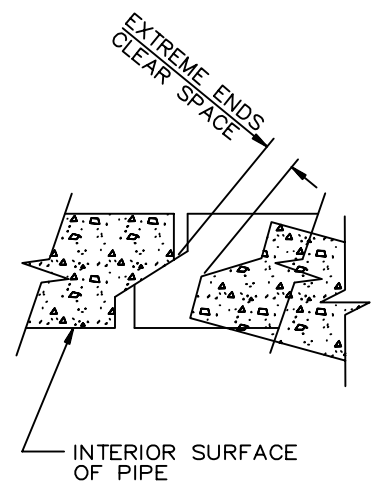
**SEE OCPW STANDARD PLAN 340-2-OC FOR CONDITIONS**



D	L	T
12" (300 mm)	12" (300 mm)	4" (100 mm)
18" (450 mm)	12" (300 mm)	5" (125 mm)
24" (600 mm)	12" (300 mm)	6" (150 mm)
30" (750 mm)	18" (450 mm)	7" (175 mm)
36" (900 mm)	18" (450 mm)	9" (225 mm)
42" (1050 mm)	18" (450 mm)	9" (225 mm)
48" (1200 mm)	18" (450 mm)	10" (250 mm)
54" (1350 mm)	18" (450 mm)	10" (250 mm)
60" (1500 mm)	21" (525 mm)	11" (275 mm)
66" (1650 mm)	21" (525 mm)	11" (275 mm)
72" (1800 mm)	24" (600 mm)	12" (300 mm)



DETAIL "A" (SEE NOTE 10)  
SONO-TUBE, OR EQUAL, INTERIOR FORM



DETAIL "B"  
TYPICAL JOINT FOR  
REINFORCED CONCRETE PIPE

CUT NO. 1: SAW THE TUBE AT AN ANGLE OF A/2 WITH THE TRANSVERSE PLANE. REVERSE ONE SECTION AND TAPE BOTH SECTIONS TOGETHER FORMING THE DEFLECTION ANGLE A.  
CUT NO. 2: SAW THE TUBE LONGITUDINALLY REMOVING A STRIP 3.14 (D<sub>0</sub>-D) WIDE ON THE SIDE OPPOSITE THE OPEN JOINT. BEND THE ENDS OF THE CUT TOGETHER AND INSERT THE TUBE IN THE PIPE.

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

PROMULGATED BY THE  
PUBLIC WORKS STANDARDS INC.  
GREENBOOK COMMITTEE  
1992  
REV. 1996, 1997, 1999, 2009

**CONCRETE COLLAR FOR RCP**  
**12" (300 mm) THROUGH 72" (1800 mm)**  
USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

STANDARD PLAN  
**380-4**  
SHEET 1 OF 2

**SEE OCPW STANDARD PLAN 380-4-OC FOR CONDITIONS**

NOTES

1. A CONCRETE COLLAR IS REQUIRED WHERE THE CHANGE IN GRADE EXCEEDS 10%.
2. FOR CURVE JOINTS (SEE DETAIL B, SHEET 1)  
 IF THE EXTREME ENDS OF THE PIPE LEAVE A CLEAR SPACE THAT IS GREATER THAN 1" (25 mm), BUT IS LESS THAN 3" (75 mm) A CONCRETE COVER IS REQUIRED IN ACCORDANCE WITH SSPWC 306-1.2.4.  
 IF THE EXTREME ENDS OF THE PIPE LEAVE A CLEAR SPACE THAT IS EQUAL TO OR GREATER THAN 3" (75 mm), BUT LESS THAN 6" (150 mm), A CONCRETE COLLAR IS REQUIRED. IF THE CLEAR SPACE IS 6" (150 mm) OR GREATER, A TRANSITION STRUCTURE IS REQUIRED.
3. CONCRETE COLLAR SHALL NOT BE USED FOR A SIZE CHANGE ON THE MAIN LINE.
4. CONNECTOR PIPES
  - A. WHERE PIPES OF DIFFERENT DIAMETERS ARE JOINED WITH A CONCRETE COLLAR, L AND T SHALL BE THOSE OF THE LARGER PIPE.  $D = D_1$  OR  $D_2$ , WHICHEVER IS GREATER.
  - B. WHEN  $D_1$  IS EQUAL TO OR LESS THAN  $D_2$ , JOIN INVERTS AND WHEN  $D_1$  IS GREATER THAN  $D_2$ , JOIN SOFFITS.
5. FOR PIPE LARGER THAN 72" (1800 mm) SPECIAL COLLAR DETAILS ARE REQUIRED.
6. FOR PIPE SIZE NOT LISTED USE NEXT SIZE LARGER.
7. REINFORCEMENT SHALL CONFORM TO ASTM A 615 (A 615 M) GRADE 40 (300).
8. WHERE REINFORCING IS REQUIRED THE DIAMETER OF THE CIRCULAR TIES SHALL BE  $D + (2 \times \text{WALL THICKNESS}) + T$ .
9. REINFORCING SHALL BE USED WHERE THE PIPE DIAMETER IS GREATER THAN 21" (525 mm) AND ON ALL PIPES WHERE THE SPACES BETWEEN THE EXTREME OUTER ENDS IS 3" (75 mm) OR LARGER.

CIRCULAR TIES:

PIPE DIAMETER	NO. OF CIRCULAR TIES
21" (525 mm) OR LESS	3
24" (600 mm) TO 30" (750 mm)	3
33" (825 mm) TO 57" (1425 mm)	4
60" (1500 mm) TO 72" (1800 mm)	5

WHERE THE SPACE BETWEEN PIPE ENDS EXCEEDS 3" (75 mm), THE NUMBER OF CIRCULAR TIES SHALL BE INCREASED TO MAINTAIN AN APPROXIMATE SPACING OF 6" (150 mm) O.C.

10. WHERE THE PIPE IS 21" (525 mm) OR LESS IN DIAMETER AN INTERIOR FORM OF UNSEALED SONO-TUBE OR EQUAL SHALL BE USED TO PROVIDE A SMOOTH INTERIOR JOINT. THE PAPER FORM MAY BE LEFT IN PLACE (SEE DETAIL A). WHEN THE PIPE IS 24" (600 mm) OR LARGER A REMOVABLE INTERIOR FORM SHALL BE USED OR THE INTERIOR JOINT SHALL BE COMPLETELY FILLED WITH MORTAR AND NEATLY POINTED.

NOT FOR BID

THE FOLLOWING STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION, 2009 EDITION, OF THE PUBLIC WORKS STANDARDS, INC. HAVE BEEN ADOPTED BY OCPW WITH CONDITIONS WHICH SHALL APPLY TO OCPW USE. THE CONDITIONS ARE LISTED BELOW.

<u>SPPWC #</u>	<u>OCPW #</u>	<u>NAME AND CONDITIONS</u>
380-4	380-4-OC	<u>CONCRETE COLLAR FOR RCP</u> <u>12" THROUGH 72"</u>

1. REPLACE NOTE 1: "A CONCRETE COLLAR IS REQUIRED WHENEVER D1 IS UNEQUAL TO D2 OR THE PERMITTED DEFLECTION AT A PIPE JOINT IS EXCEEDED; THAT IS, WHEN ANGLE "A" IS GREATER THAN THE PERMITTED DEFLECTION ANGLE. (SEE TABLE)"
2. REPLACE NOTE 2: "CONCRETE COLLARS SHALL NOT BE CONSTRUCTED ON MAIN LINE STORM DRAINS UNLESS SHOWN ON THE PLANS OR ORDERED BY THE ENGINEER."
3. ADD NOTES:
  11. THE VALUE FOR ANGLE "A" SHALL BE SHOWN ON THE IMPROVEMENT PLANS.
  12. WHERE THE SLOPE OF THE UPSTREAM PIPE IS GREATER THAN THE SLOPE OF THE DOWNSTREAM PIPE, JOIN SOFFITS. WHERE THE SLOPE OF THE UPSTREAM PIPE IS LESS THAN THE SLOPE OF THE DOWNSTREAM PIPE, JOIN INVERTS.
  13. BEVELED PIPE MAY BE USED IN LIEU OF CONCRETE COLLAR IF APPROVED BY THE ENGINEER.
  14. A CONCRETE COLLAR SHALL NOT BE CONSTRUCTED CONNECTING A LARGER DIAMETER PIPE UPSTREAM TO A SMALLER DIAMETER PIPE DOWNSTREAM UNLESS SHOWN ON THE IMPROVEMENT PLANS OR ORDERED BY THE ENGINEER.
4. REPLACE TABLE:

D	L	T	∠A
12" (300 mm)	12" (300 mm)	4" (100 mm)	01°49'35"
18" (450 mm)	12" (300 mm)	5" (125 mm)	01°16'14"
24" (600 mm)	12" (300 mm)	6" (150 mm)	00°58'27"
30" (750 mm)	18" (450 mm)	7" (175 mm)	00°47'23"
36" (900 mm)	18" (450 mm)	9" (225 mm)	00°39'51"
42" (1050 mm)	18" (450 mm)	9" (225 mm)	00°34'23"
48" (1200 mm)	18" (450 mm)	10" (250 mm)	00°30'14"
54" (1372 mm)	18" (450 mm)	10" (250 mm)	00°26'58"
60" (1500 mm)	21" (525 mm)	11" (275 mm)	00°24'21"
66" (1650 mm)	21" (525 mm)	11" (275 mm)	00°22'12"
72" (1800 mm)	24" (600 mm)	12" (300 mm)	00°20'23"

COUNTY OF ORANGE, OC PUBLIC WORKS DEPARTMENT

Revision: August 2018

Approved

*Khalid Bazmi*  
Khalid Bazmi, County Engineer

STD. PLAN

380-4-OC

SPPWC STANDARD PLAN -

CONCRETE COLLAR FOR RCP  
12" (300 mm) THROUGH 72" (1800 mm)

SHT. 1 OF 1

THE FOLLOWING STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION, 2009 EDITION, OF THE PUBLIC WORKS STANDARDS, INC. HAVE BEEN ADOPTED BY OCPW WITH CONDITIONS WHICH SHALL APPLY TO OCPW USE. THE CONDITIONS ARE LISTED BELOW.

SPPWC #    OCPW #    NAME AND CONDITIONS

340-2            340-2-OC            TRANSITION STRUCTURE – PIPE TO PIPE

1. SPPWC STANDARD PLAN 340-2 MAY ONLY BE USED WHEN THE ENGINEER DETERMINES SUFFICIENT MEANS OF ACCESS IS AVAILABLE FOR STORM DRAIN MAINTENANCE.
2. ADD NOTES: 12. THE ANGLE BETWEEN THE LATERAL AND THE MAIN LINE SHALL NOT BE GREATER THAN 45 DEGREES WHEN THE FLOW IN THE LATERAL EXCEEDS 10 PERCENT OF THE FLOW IN THE MAIN LINE.
3. INCREASE DIMENSIONS "T"&"F" AT EDGES TO A MINIMUM OF 6 INCHES + (PIPE WALL THICKNESS) FOR EMBEDMENT DIMENSION "P" + 6 INCHES.
4. REVISE A PORTION OF "TABLE FOR DIMENSIONS AND BAR SIZES" AS SHOWN:

NOT FOR BID

TABLE FOR DIMENSIONS AND BAR SIZES						
D <sub>2</sub> OR D <sub>1</sub>		F OR T		A OR B BARS	D OR F BARS	P (RCP)
INCHES	(mm)	(INCHES)	(mm)			
18	450	6	120	#5 @ 3" OC	#4 @ 6" OC	5" (125 mm)
21	525	6	130			
24	600	6	140			
27	675	6	140			
30	750	6	160			
33	825	7	160			
36	900	7	170			
39	975	7	180	#6 @ 3" OC	#5 @ 6" OC	
42	1050	8	190			
45	1125	8	200			
48	1200	8	210			

COUNTY OF ORANGE, OC PUBLIC WORKS DEPARTMENT

Approved

*Khalid Bazmi*  
Khalid Bazmi, County Engineer

Revision: August 2018

STD. PLAN

340-2-OC

SPPWC STANDARD PLAN - TRANSITION STRUCTURE - PIPE TO PIPE

SHT. 1 OF 1

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

**REGISTERED CIVIL ENGINEER**  
*Oliver Jean*  
 No. CB0402  
 Exp. 3-31-19  
 STATE OF CALIFORNIA  
 PROFESSIONAL ENGINEER

MAY 31, 2018  
 PLANS  
 CONTRACT DATE  
 THE STATE OF CALIFORNIA  
 OR AGENTS SHALL NOT BE RESPONSIBLE FOR  
 THE ACCURACY OR COMPLETENESS OF SCANNED  
 COPIES OF THIS PLAN SHEET.

TABLE 3

ROAD TYPE	DISTANCE BETWEEN SIGNS *		
	A	B	C
URBAN - 25 mph OR LESS	100	100	100
URBAN - MORE THAN 25 mph TO 40 mph	250	250	250
URBAN - MORE THAN 40 mph	350	350	350
RURAL	500	500	500
EXPRESSWAY / FREEWAY	1000	1500	2640

\* - The distances are approximate, are intended for guidance purposes only, and should be applied with engineering judgment. These distances should be adjusted by the Engineer for field conditions, if necessary, by increasing or decreasing the recommended distances.

TABLE 2

SPEED (mph)	Min D **	DOWNGRADE Min D ***		
		-3%	-6%	-9%
20	116	116	120	126
25	154	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	365	375	400	427
50	430	440	474	507
55	500	510	553	593
60	575	585	638	686
65	660	670	728	785
70	750	760	827	891
75	820	830	906	1003

\* - Speed is posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

\*\* - Longitudinal buffer space or flagged station spacing and longer than 1 mile.

\*\*\* - Use on sustained downgrade steepness greater than 3 percent

TABLE 1

SPEED (S)	TAPER LENGTH CRITERIA AND CHANNELLIZING DEVICE SPACING						
	MINIMUM TAPER LENGTH * FOR WIDTH OF OFFSET 12 FEET (W)		MAXIMUM CHANNELLIZING DEVICE SPACING				
	TANGENT 2L	MERGING L	SHIFTER L/2	SHOULDER L/3	TAPER X	TANGENT Y	CONFLICT Z **
20	160	80	40	27	20	40	10
25	250	125	63	42	25	50	12
30	360	180	90	60	30	60	15
35	490	245	123	82	35	70	17
40	640	320	160	107	40	80	20
45	1080	540	270	180	45	90	22
50	1200	600	300	200	50	100	25
55	1320	660	330	220	50	100	25
60	1440	720	360	240	50	100	25
65	1560	780	390	260	50	100	25
70	1680	840	420	280	50	100	25
75	1800	900	450	300	50	100	25

\* - For other offsets, use the following merging taper length formula for L:  
 For speed of 40 mph or less,  $L = WS^2/60$   
 For speed of 45 mph or more,  $L = WS$

Where: L = Taper length in feet

W = Width of offset in feet

S = Posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

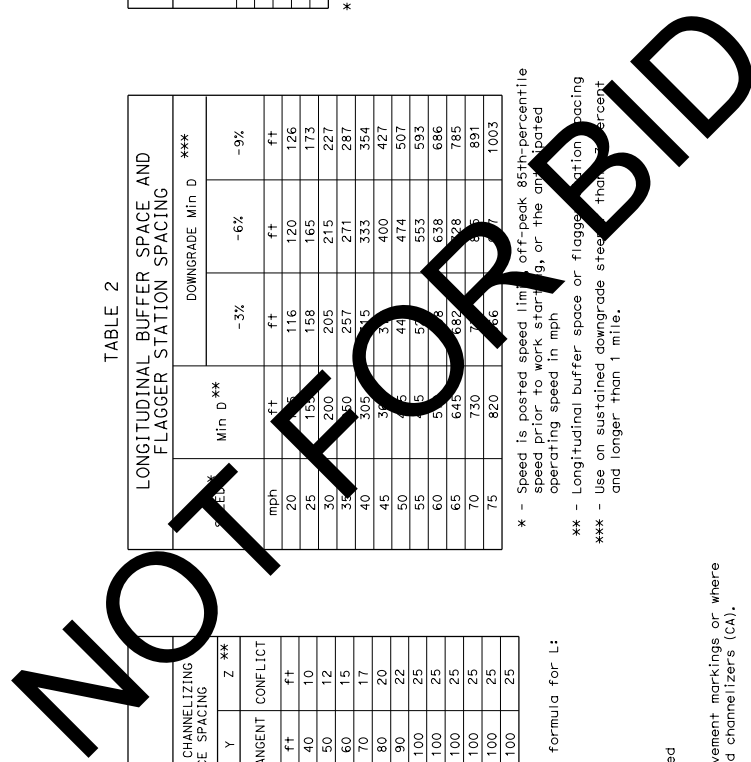
\*\* - Use for taper and tangent sections where there are no pavement markings or where there is a conflict between existing pavement markings and channelizers (CA).

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

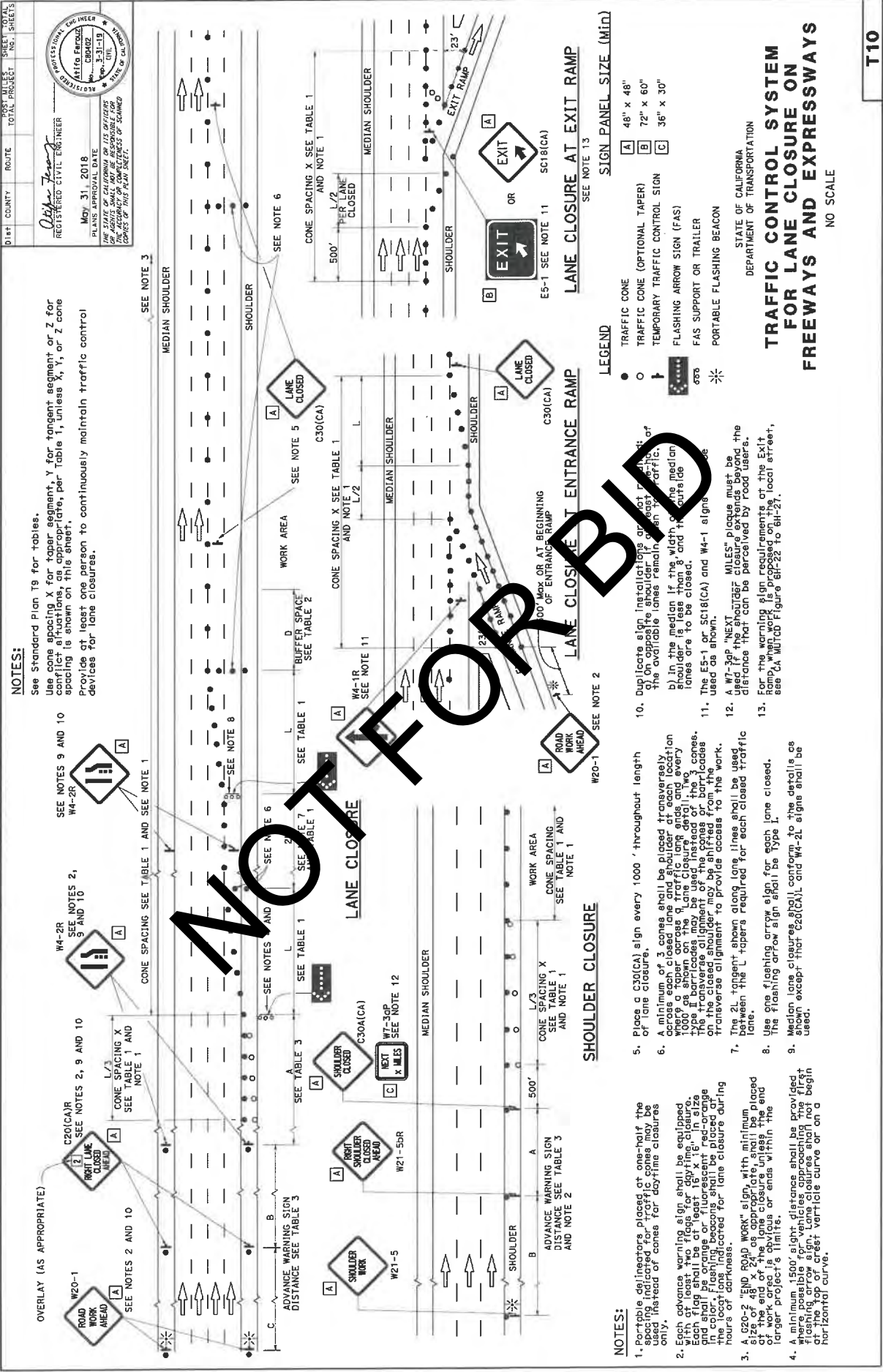
**TRAFFIC CONTROL SYSTEM TABLES  
 FOR LANE AND RAMP CLOSURES**

NO SCALE

T9







**NOTES:**  
 See Standard Plan T9 for tables.  
 Use cone spacing X for taper segment, Y for tangent segment, or Z for cone spacing at the end of the taper, as appropriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.  
 Provide at least one person to continuously maintain traffic control devices for lane closures.

- NOTES:**
1. Portable delineators placed at one-half the distance of cones for daytime closures only.
  2. Each advance warning sign shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16 x 16 in. size. The flags shall be in white, orange, or red in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
  3. A 620-2 "END ROAD WORK" sign, with minimum lead distance of 1500 ft, shall be placed at the end of the work area unless the project's larger project limits.
  4. A minimum 1500' sight distance shall be provided between the advance warning sign and the first portable sign. The advance warning sign shall not be placed at the top of crest vertical curve or on a horizontal curve.
  5. Place a C30(CA) sign every 1000' throughout length of lane closure.
  6. A minimum of 3 cones shall be placed transversely where a taper occurs at traffic lane ends and every 1000' as shown on the "Lane Closure Detail" cones. The transverse alignment of the cones or barriers on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
  7. The 2L tangent shown along lane lines shall be used between the L tapers required for each closed traffic lane.
  8. Use one flashing arrow sign for each lane closed. The flashing arrow sign shall conform to the details as shown, except that C20(CAL) and W4-2L signs shall be used.
  9. Median lane closures shall conform to the details as shown, except that C20(CAL) and W4-2L signs shall be used.
  10. Duplicate sign installations are not required for lane closures unless the project requires them. The following signs shall remain in place until the lane is reopened:
    - a) In the median if the width of the median lanes are to be changed.
    - b) The ES-1 or SC18(CA) and W4-1 signs used as shown.
    - c) A W7-3P "NEXT MILES" plaque must be used if the shoulder closure extends beyond the distance that can be perceived by road users.
  11. The ES-1 or SC18(CA) and W4-1 signs used as shown.
  12. A W7-3P "NEXT MILES" plaque must be used if the shoulder closure extends beyond the distance that can be perceived by road users.
  13. For the warning sign requirements at the Exit Ramp, when work is proposed on the local street, see CA MUTCD Figure 6B-22 to 6B-27.

**LEGEND**

● TRAFFIC CONE  
 ○ TRAFFIC CONE (OPTIONAL TAPER)  
 ▲ TEMPORARY TRAFFIC CONTROL SIGN  
 ▲ FLASHING ARROW SIGN (FAS)  
 ▲ FAS SUPPORT OR TRAILER  
 ★ PORTABLE FLASHING BEACON

**SIGN PANEL SIZE (min)**

A	48" x 48"
B	72" x 60"
C	36" x 30"

**TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON FREEWAYS AND EXPRESSWAYS**

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

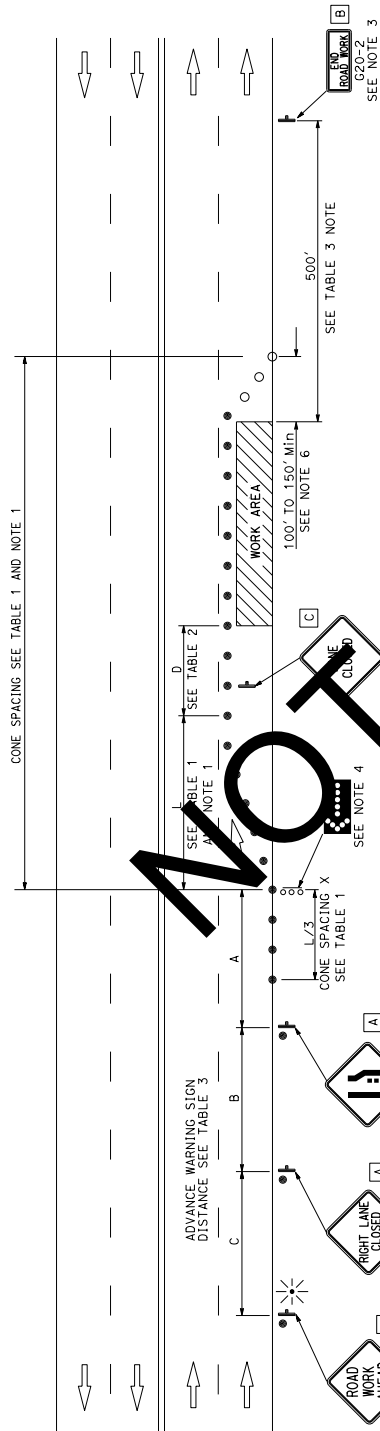
NO SCALE

T10

DIST	COUNTY	ROUTE	FIRST MILE TOTAL PROJECT	SHEET TOTAL NO. SHEETS

**REGISTERED CIVIL ENGINEER**  
*Alta Ebrahimi*  
 No. CB0402  
 Exp. 3-31-19  
 STATE OF CALIFORNIA  
 PROFESSIONAL ENGINEER

MAY 31, 2018  
 DATE OF CONTRACT  
 No. 172-070703  
 THE STATE OF CALIFORNIA  
 OR AGENTS SHALL NOT BE RESPONSIBLE FOR  
 THE ACCURACY OR COMPLETENESS OF SCANNED  
 COPIES OF THIS PLAN SHEET.



**NOTES:**

- See Standard Plan T9 for tables.
- Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as appropriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.
- Provide at least one person to continuously maintain traffic control devices for lane closures.

**TYPICAL LANE CLOSURE**

**LEGEND**

- TRAFFIC CONE
- TRAFFIC CONE (OPTIONAL TAPER)
- TEMPORARY TRAFFIC CONTROL SIGN
- FLASHING ARROW SIGN (FAS)
- FAS SUPPORT OR TRAILER
- PORTABLE FLASHING BEACON

**SIGN PANEL SIZE (Min)**

- A 48" x 48"
- B 36" x 18"
- C 30" x 30"

**NOTES:**

- Portable delineators placed at one-half the spacing indicated for traffic cones may be used instead of cones for daytime closures only.
- Each advance warning sign shall be equipped with at least two flashing arrow closures. Each flag shall be at least 16" x 16" in size and shall be placed at the locations indicated for lane closure during hours of darkness.
- A G20-2 "END ROAD WORK" sign shall be placed at the end of the lane closure unless the end of work area is obvious or ends within the larger project's limits.
- A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at the top of crest vertical curve or on a horizontal curve.

- Place C30(CA) "LANE CLOSED" sign at 500' to 1000' intervals throughout extended work area.
- Length may be reduced by the Engineer to address site conditions.
- Median lane closures shall conform to the details shown except that G20(CA) and W4-2L signs shall be used.
- For approach speeds over 50 MPH, use the "Traffic Control System for Lane Closure on Freeways and Expressways" plan for lane closure details and requirements.

**TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON MULTILANE CONVENTIONAL HIGHWAYS**

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

NO SCALE

T11

DI-# COUNTY ROUTE DIST. MILES TOTAL PROJECT SHEET TOTAL NO. SHEETS

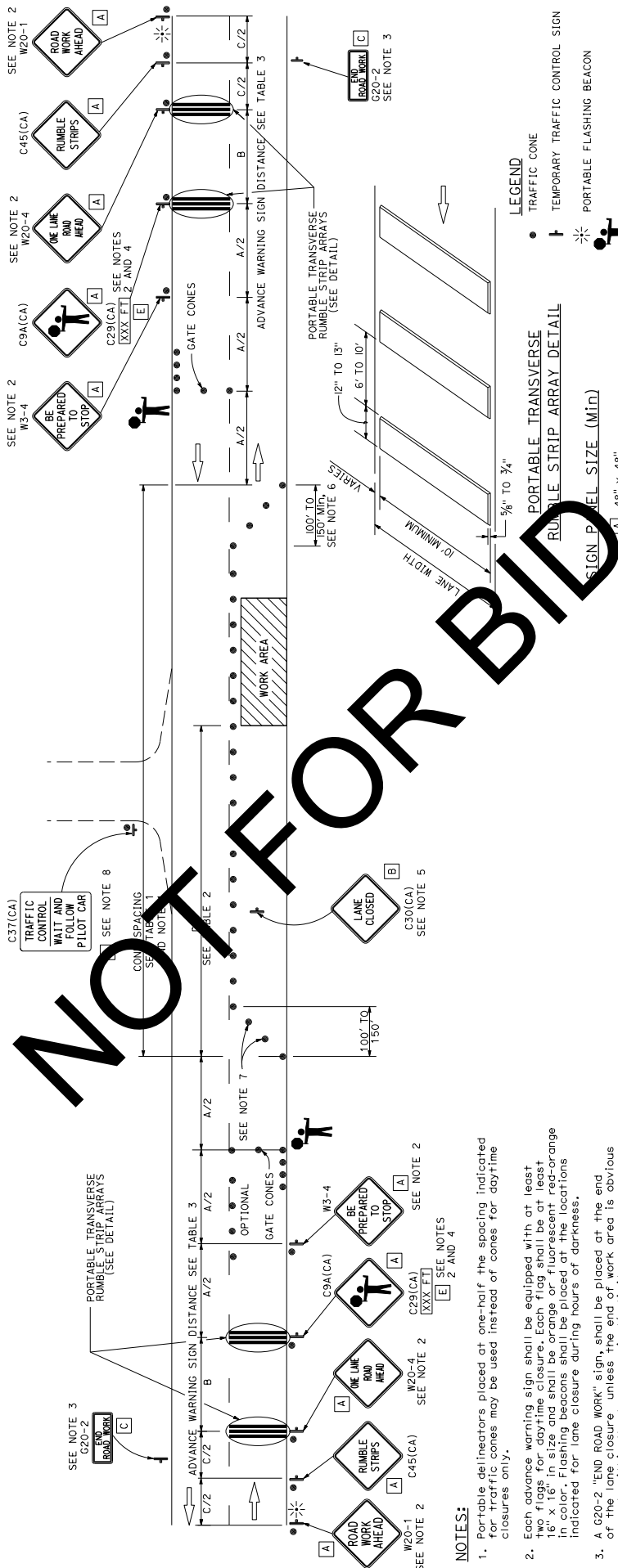
*Alfonso Jesus*  
REGISTERED CIVIL ENGINEER  
MAY 31, 2018  
EXPIRES MAY 31, 2019  
NO. CB0402  
CIVIL  
STATE OF CALIFORNIA  
PROFESSIONAL ENGINEER

DATE OF CONTRACT: \_\_\_\_\_  
DATE OF ISSUE: \_\_\_\_\_  
DATE OF REVISION: \_\_\_\_\_  
NO. OF REVISIONS: \_\_\_\_\_  
NO. OF SHEETS: \_\_\_\_\_  
NO. OF THIS SHEET: \_\_\_\_\_

TYPICAL LANE CLOSURE WITH REVERSIBLE CONTROL

NOTES:

See Standard Plan T9 for tables.  
Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations. See Table 1, unless X, Y, or Z cone spacing is shown on this sheet.  
Provide at least one person to continuously maintain traffic control devices for lane closures.



TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON TWO LANE CONVENTIONAL HIGHWAYS

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

NO SCALE

T13

**NOT FOR BID**

NOTES:

- Portable delineators placed at one-half the spacing indicated for traffic cones may be used instead of cones for daytime closures only.
- Each advance warning sign shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
- A G20-2 "END ROAD WORK" sign shall be placed at the end of the lane closure unless the end of work area is obvious or ends within the larger project's limits.
- An optional C29(CA) sign may be placed below the C9A(CA) sign.
- Place C30(CA) "LANE CLOSED" sign at 500' to 1000' intervals throughout extended work area. They are optional if the work area is visible from the flagger station.
- Length may be reduced by the Engineer to address site conditions.
- Either traffic cones or barricades shall be placed on the taper. Barricades shall be Type I, II, or III.
- When a pilot car is used, place a C37(CA) "TRAFFIC CONTROL-WAIT AND FOLLOW PILOT CAR" sign with black legend on white background at all intersections, driveways and alleys without a flagger within the traffic control area.

DIST	COUNTY	ROUTE	FIRST MILE TOTAL PROJECT	SHEET TOTAL SHEETS

**REGISTERED CIVIL ENGINEER**  
*Alfio Efronza*  
 No. CB0402  
 Exp. 3-31-19  
 STATE OF CALIFORNIA  
 PROFESSIONAL ENGINEER

DATE: MAY 31, 2018  
 DRAWN BY: ALFIO EFRONZA  
 CHECKED BY: [Signature]  
 THE STATE OF CALIFORNIA HAS REVIEWED THIS SET OF PLANS AND FINDS THAT THEY COMPLY WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL DEVICES OF THIS PLAN SHEET.  
 THE STATE OF CALIFORNIA DOES NOT GUARANTEE THE ACCURACY OF THIS PLAN SHEET.

**LEGEND**

**MARKERS**

- TYPE D
- TYPE H
- TYPE RY

**MARKER DETAILS**

- TYPE RY AND TYPE D
- TYPE H

RETROREFLECTIVE FACE

**LINE TYPES**

- 6" WHITE
- 6" YELLOW
- TWO-WAY YELLOW RETROREFLECTIVE
- ONE-WAY YELLOW RETROREFLECTIVE
- RED-YELLOW RETROREFLECTIVE

**MEDIAN ISLANDS**

DETAIL 28

MINIMUM

LOL

**LEFT EDGELINES**  
 (DIVIDED HIGHWAYS)

EDGE OF TRAVELED WAY

DETAIL 24

DETAIL 25

EDGE OF TRAVELED WAY

48'-0"

24'-0"

EDGE OF TRAVELED WAY

48'-0"

24'-0"

EDGE OF TRAVELED WAY

48'-0"

24'-0"

**RIGHT EDGELINES**

DETAIL 27A

DETAIL 27B

EDGE OF TRAVELED WAY

48'-0"

24'-0"

EDGE OF TRAVELED WAY

48'-0"

24'-0"

**RIGHT EDGELINE EXTENSION THROUGH INTERSECTIONS**

DETAIL 27C

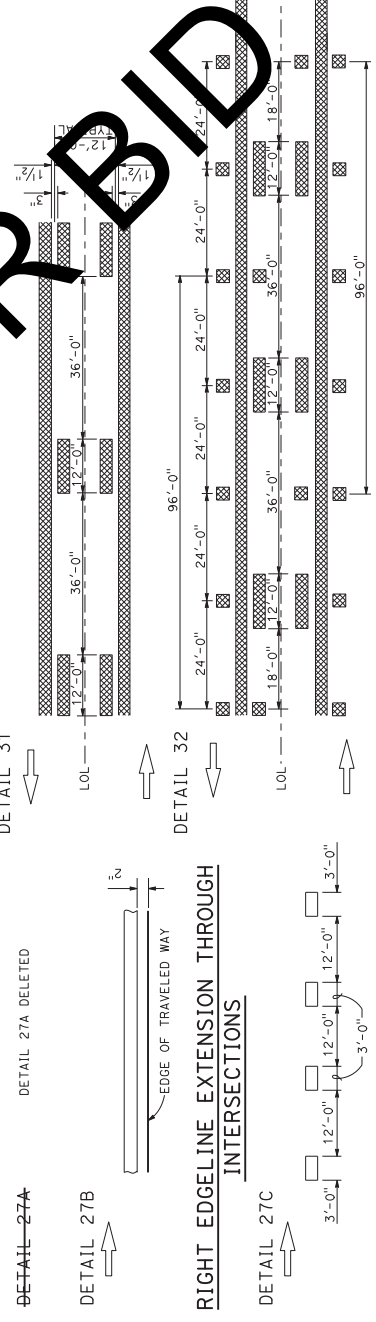
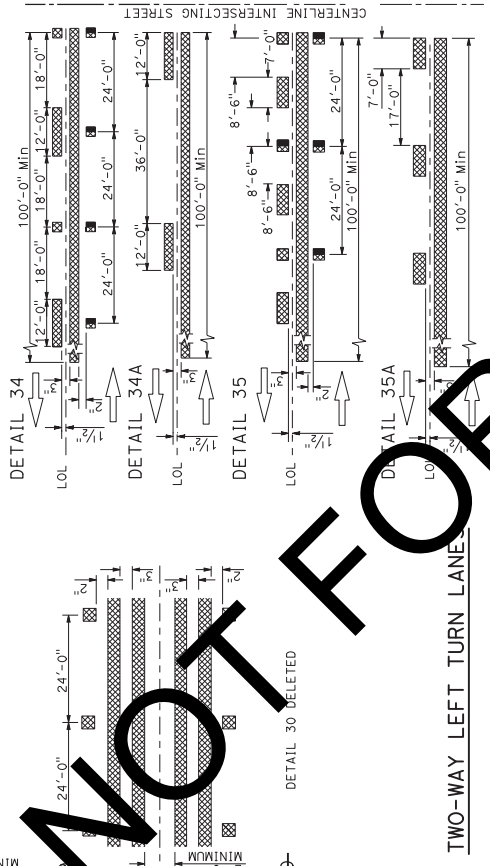
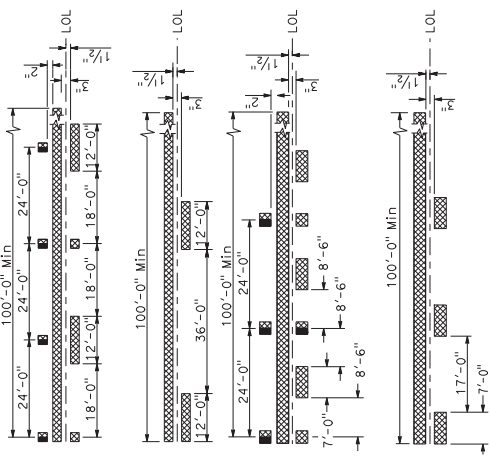
3'-0"

12'-0"

12'-0"

3'-0"

**INTERSECTION TREATMENTS**



STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKERS AND TRAFFIC LINES TYPICAL DETAILS**

NO SCALE

**A 20B**

**NOT FOR BID**

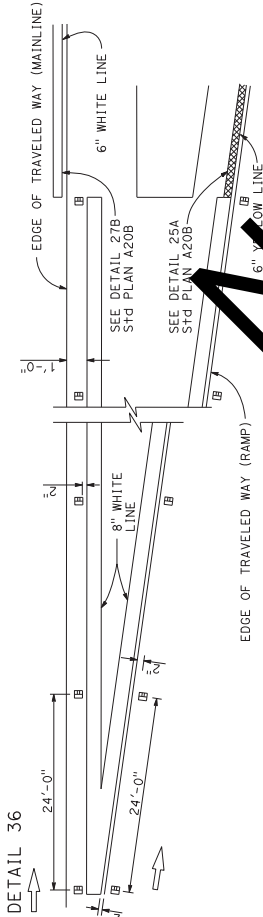
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL SHEETS

**REGISTERED CIVIL ENGINEER**  
*Alta Feroz*  
 No. CB0402  
 Exp. 3-31-19  
 STATE OF CALIFORNIA

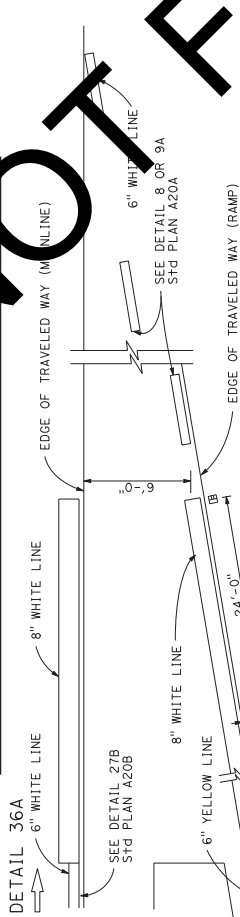
PROFESSIONAL ENGINEER  
 No. 33119  
 Exp. 3-31-19  
 STATE OF CALIFORNIA

DATE: MAY 31, 2018  
 THIS STATE OF CALIFORNIA LICENSED PROFESSIONAL ENGINEER'S SEAL AND SIGNATURE SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS OF THIS PLAN SHEET.

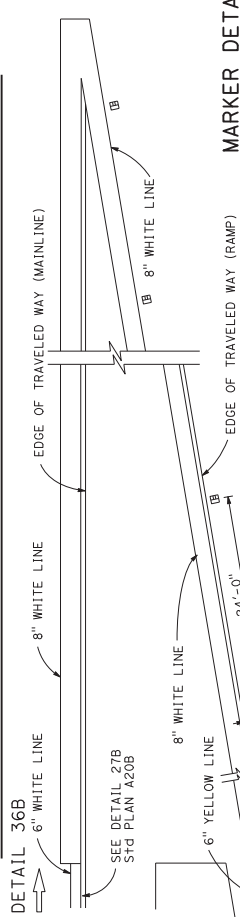
**EXIT RAMP NEUTRAL AREA (GORE) TREATMENT**



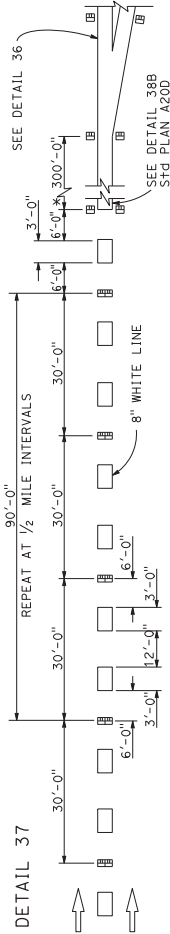
**ENTRANCE RAMP NEUTRAL AREA (MERGE) TREATMENT**



**ENTRANCE RAMP NEUTRAL AREA (ACCELERATION LANE) TREATMENT**

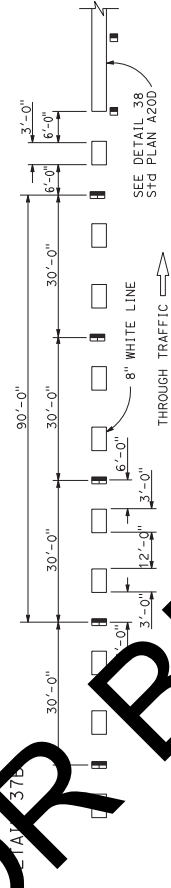


**LANE DROP AT EXIT RAMP**

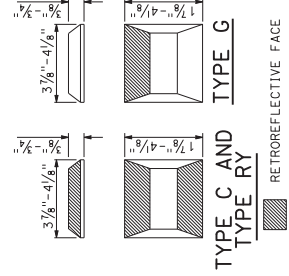


\* The solid channelizing line shown may be omitted on short auxiliary lanes where weaving length is critical.

**LANE DROP AT INTERSECTIONS**



**MARKER DETAILS**



**LEGEND:**

- MARKERS**
- TYPE C RED-CLEAR RETROREFLECTIVE
  - ▣ TYPE G ONE-WAY CLEAR RETROREFLECTIVE
  - ▤ TYPE RY RED-YELLOW RETROREFLECTIVE
- ▨ RETROREFLECTIVE FACE

**A20C**

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**PAVEMENT MARKERS  
 AND TRAFFIC LINES  
 AND TYPICAL DETAILS**

NO SCALE

Return to Table of Contents



DIST.	COUNTY	ROUTE	FIRST MILE TOTAL PROJECT	SHEET TOTAL NO. SHEETS

*Alfio Efrouz*  
REGISTERED CIVIL ENGINEER

MAY 31, 2018  
DATE

PROFESSIONAL ENGINEER  
No. CB0402  
Exp. 3-31-19  
CIVIL  
STATE OF CALIFORNIA

THE STATE OF CALIFORNIA DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THESE PLANS SHEETS.

**RECESS REFLECTIVE PAVEMENT MARKER AT EITHER END OF RECESS**

0 TO 3/16" SEE NOTE 3

**SECTION A-A**

**RECESS REFLECTIVE PAVEMENT MARKER AT DOWNSTREAM END OF RECESS**

0 TO 3/16" SEE NOTE 3

**SECTION B-B**

**LEGEND**

**MARKERS**

- TYPE C RED-CLEAR RETROREFLECTIVE
- TYPE G ONE-WAY CLEAR RETROREFLECTIVE
- 6" YELLOW LINE

**MARKER DETAILS**

**CHANNELIZING LINE**

**DETAIL 38** 8" WHITE LINE  
24'-0" THROUGH TRAFFIC

**DETAIL 38A** 8" WHITE LINE

**DETAIL 38B** 8" WHITE LINE  
24'-0" 24'-0"

**DETAIL 38C** DELETED

**BIKE LANE LINE**

**DETAIL 39** 6" WHITE LINE

**INTERSECTION LINE**

**BIKE LANE**

**DETAIL 39A** 200'-0" INTERSECTION  
8'-0" 4'-0" 6" WHITE LINE

**LANE LINE EXTENSIONS THROUGH INTERSECTIONS**

**DETAIL 40** 1'-0" 6'-0" 6" WHITE LINE

**CENTER LINE EXTENSIONS THROUGH INTERSECTIONS**

**DETAIL 41** 1'-0" 6'-0" 6" YELLOW LINE

**RECESS REFLECTIVE PAVEMENT MARKER**

**RECESS DETAIL FOR RETROREFLECTIVE PAVEMENT MARKER**

**TYPE C AND TYPE D** See Notes 1 and 2.

**TYPE G AND TYPE H** See Notes 1 and 2.

**FOR RECESSED INSTALLATION**

**DETAIL FOR RECESSED THERMOPLASTIC TRAFFIC STRIPE**

See Notes A and B.

**RECESSED THERMOPLASTIC NOTES**

A. See typical traffic line details for pavement marking patterns.

B. The top of the thermoplastic installed in recessed pavement shall be 0 to 1/16" below the pavement surface.

**RECESS REFLECTIVE PAVEMENT MARKER**

**RECESS DETAIL FOR RETROREFLECTIVE PAVEMENT MARKER**

**TYPE C AND TYPE D** See Notes 1 and 2.

**TYPE G AND TYPE H** See Notes 1 and 2.

**FOR RECESSED INSTALLATION**

**RECESS REFLECTIVE PAVEMENT MARKER**

**RECESS DETAIL FOR RETROREFLECTIVE PAVEMENT MARKER**

**TYPE C AND TYPE D** See Notes 1 and 2.

**TYPE G AND TYPE H** See Notes 1 and 2.

**FOR RECESSED INSTALLATION**

**RECESS REFLECTIVE PAVEMENT MARKER**

**RECESS DETAIL FOR RETROREFLECTIVE PAVEMENT MARKER**

**TYPE C AND TYPE D** See Notes 1 and 2.

**TYPE G AND TYPE H** See Notes 1 and 2.

**FOR RECESSED INSTALLATION**

**RECESS REFLECTIVE PAVEMENT MARKER**

**RECESS DETAIL FOR RETROREFLECTIVE PAVEMENT MARKER**

**TYPE C AND TYPE D** See Notes 1 and 2.

**TYPE G AND TYPE H** See Notes 1 and 2.

**FOR RECESSED INSTALLATION**

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKERS  
AND TRAFFIC LINES  
AND TYPICAL DETAILS**

NO SCALE

**A 20D**

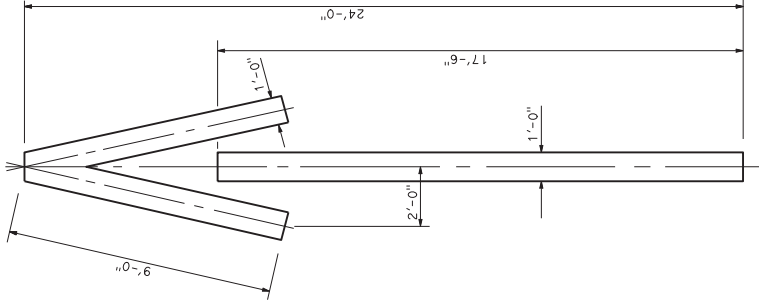
Return to Table of Contents

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

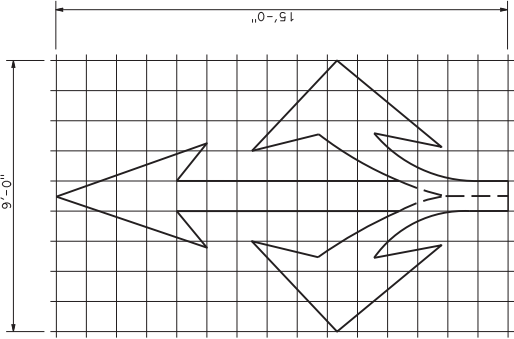
*Alfonso J. ...*  
REGISTERED CIVIL ENGINEER

MAY 31, 2018  
PLANS APPROVED  
THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION  
AN AGENY SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ANY INFORMATION OR DATA OBTAINED FROM ANY SOURCE FOR ANY PURPOSES OR FOR THE CONSEQUENCES OF THE USE OF SUCH INFORMATION OR DATA.

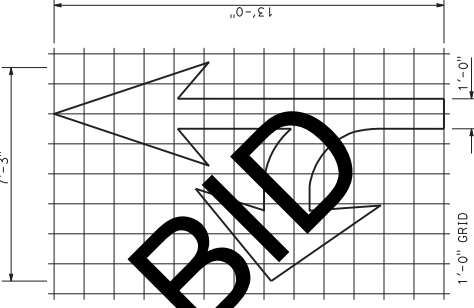
REGISTERED PROFESSIONAL ENGINEER  
ALFONSO J. ...  
No. CB0402  
Exp. 3-31-19  
CIVIL  
STATE OF CALIFORNIA



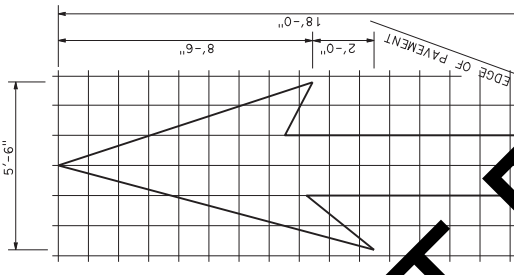
**TYPE I ARROW**  
A=33 ft±



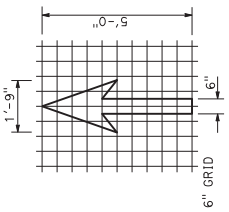
**TYPE VIII ARROW**  
A=36 ft±



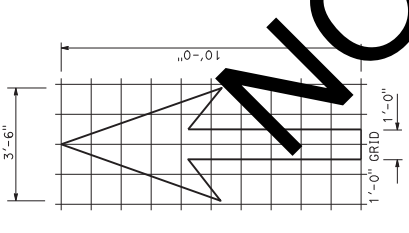
**TYPE VII (L) ARROW**  
A=27 ft±  
(For Type VII (R) arrow, use mirror image)



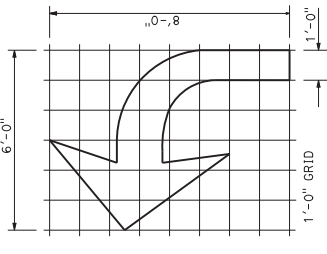
**TYPE VI ARROW**  
A=42 ft±  
Right lane drop arrow  
(For left lane, use mirror image)



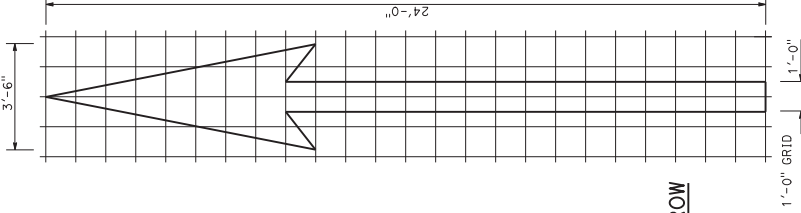
**BIKE LANE ARROW**  
A=3.5 ft±



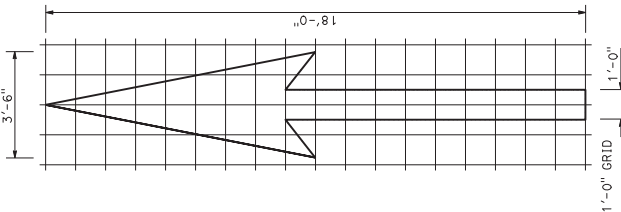
**TYPE I 10'-0" ARROW**  
A=14 ft±



**TYPE IV (L) ARROW**  
A=15 ft±  
(For Type IV (R) arrow, use mirror image)



**TYPE I 24'-0" ARROW**  
A=31 ft±



**TYPE I 18'-0" ARROW**  
A=25 ft±

**NOTE:**  
Minor variations in dimensions may be accepted by the Engineer.

NOT FOR BID

**A 24A**

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**PAVEMENT MARKINGS  
ARROWS**  
NO SCALE



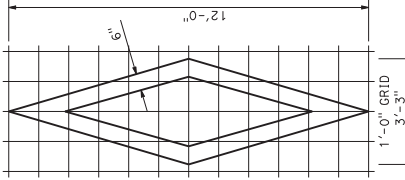
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

**REGISTERED CIVIL ENGINEER**  
*Alfego Efron*  
 No. 31,2018  
 MAY 31, 2018  
 LICENSE EXPIRES

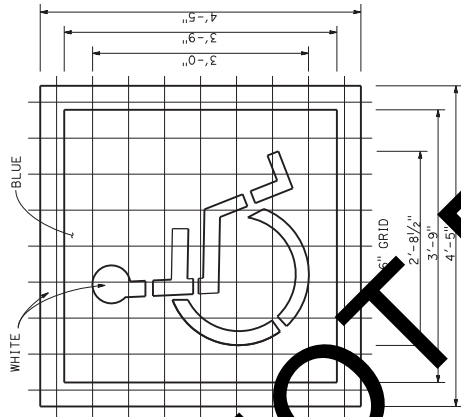
**REGISTERED PROFESSIONAL ENGINEER**  
**ALFEGO EFRON**  
 No. C00402  
 Exp. 3-31-19  
 CIVIL  
 STATE OF CALIFORNIA

THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ANY INFORMATION OR DATA SHOWN ON THIS SHEET UNLESS IT IS SPECIFICALLY IDENTIFIED AS SUCH.

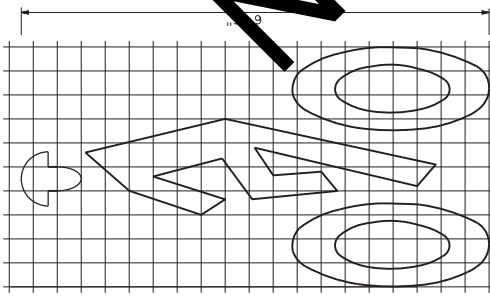
**NOTE:**  
Minor variations in dimensions may be accepted by the Engineer.



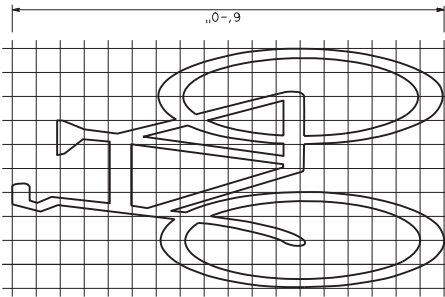
**DIAMOND SYMBOL**



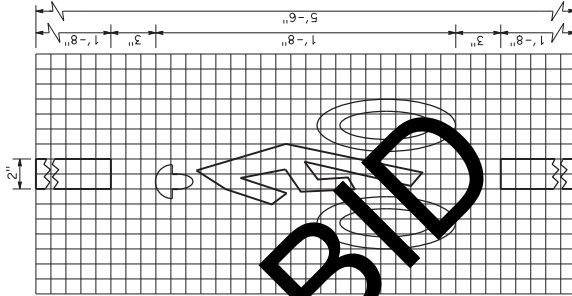
**BICYCLE LOOP DETECTOR SYMBOL**



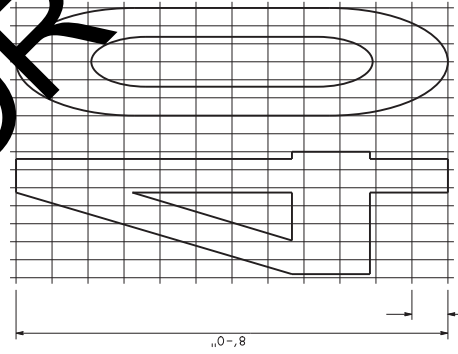
**BIKE LANE SYMBOL WITH PERSON**



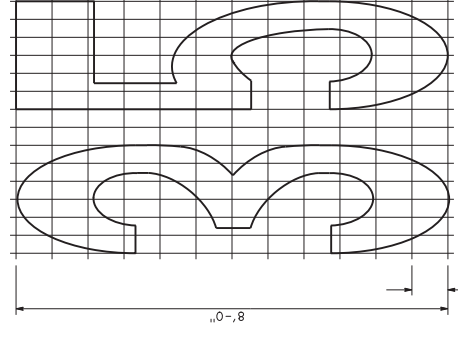
**BIKE LANE SYMBOL WITHOUT PERSON**



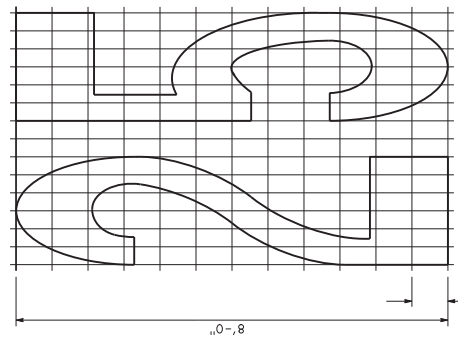
**SHARED ROADWAY BICYCLE MARKING**



**INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA) MARKING**



**NUMERALS**



**NUMERALS**

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKINGS  
SYMBOLS AND NUMERALS**

NO SCALE

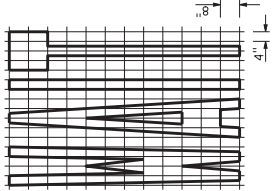
**A 24C**

NOT FOR BID

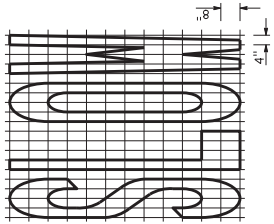
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

**Oliver Jean**  
 REGISTERED CIVIL ENGINEER  
 No. 31,2018  
 PLANS APPROVAL DATE  
 May 31, 2018  
 THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS SHALL NOT BE RESPONSIBLE FOR  
 THE ACCURACY OF THIS PLAN SHEET UNLESS IT IS  
 CORRECTED BY THIS PLAN SHEET.

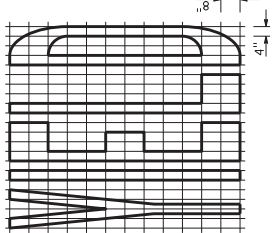
REGISTERED PROFESSIONAL ENGINEER  
 No. CB0402  
 Exp. 3-31-19  
 CIVIL  
 STATE OF CALIFORNIA



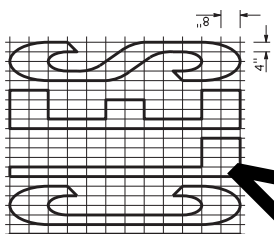
A=19 f+2



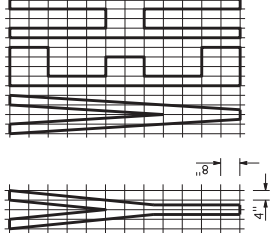
A=23 f+2



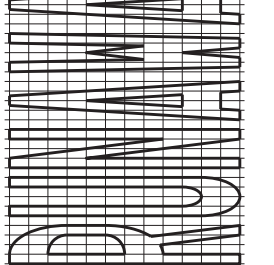
A=24 f+2



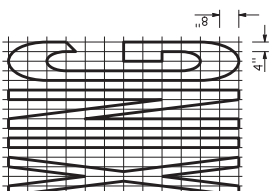
A=43 f+2



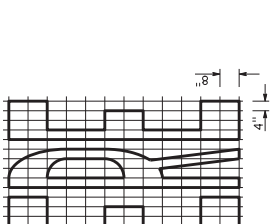
A=43 f+2



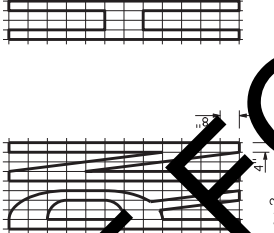
A=43 f+2



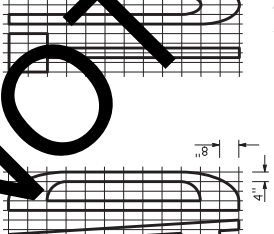
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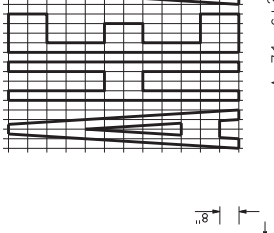
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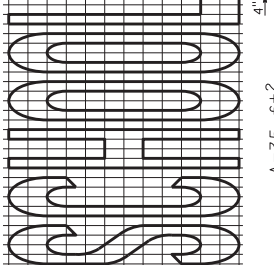
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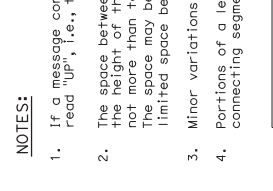
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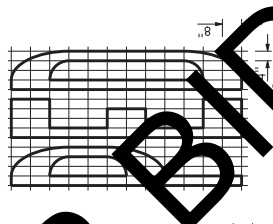
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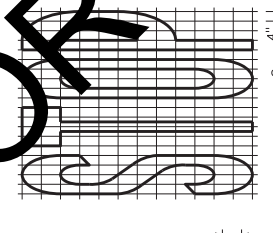
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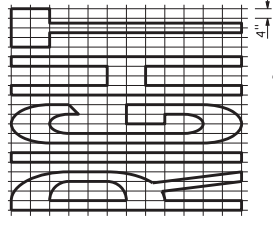
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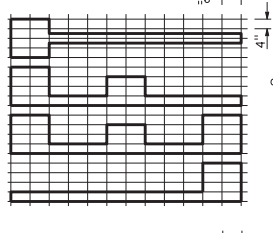
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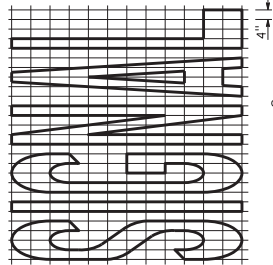
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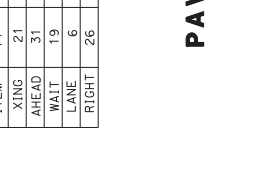
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A=19 f+2



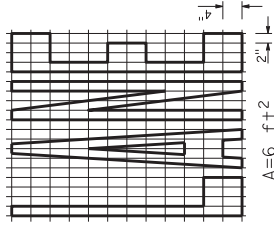
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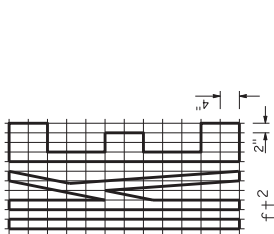
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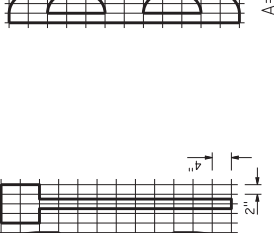
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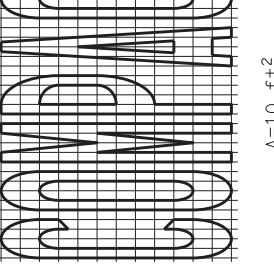
A=6 f+2



A=5 f+2



A=5 f+2



A=10 f+2

NOT FOR BID

- NOTES:**
- If a message consists of more than one word, it must read "Up", i.e., the first word must be nearest the driver.
  - The space between words must be at least four times the height of the characters for low speed roads, but not more than ten times the height of the characters. The space may be reduced appropriately where there is limited space because of local conditions.
  - Minor variations in dimensions may be accepted by the Engineer.
  - Portions of a letter, number or symbol may be separated by connecting segments not to exceed 2" in width.

WORD MARKINGS			
ITEM	f+2	ITEM	f+2
XING	21	YIELD	24
AHEAD	31	SCHOOL	35
WAIT	19	SIGNAL	32
LANE	6	TURN	24
RIGHT	26	HERE	26
		BIKE	5
		SLOW	23
		STOP	22
		LEFT	19
		VEHICLES	42
		COMPACT	10
		RUNWAY	43
		PED	18

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKINGS  
WORDS**

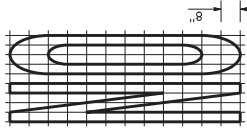
NO SCALE

**A 24D**

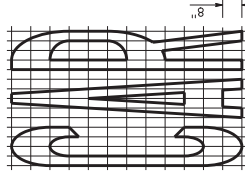
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

**Oliver Jean**  
 REGISTERED CIVIL ENGINEER  
 No. 31,2018  
 May 31, 2018  
 PLANS APPROVED BY THE OFFICER IN CHARGE OF THE DIVISION OF HIGHWAYS  
 THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 THIS PLAN IS THE PROPERTY OF THE STATE OF CALIFORNIA. IT IS TO BE USED ONLY FOR THE PROJECT AND LOCATION SPECIFIED HEREON. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE STATE OF CALIFORNIA.

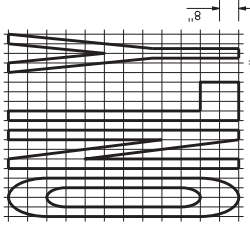
ITEM	ft+2	ITEM	ft+2
LANE	24	NO.	14
POOL	23	BIKE	21
CAR	17	BUS	20
CLEAR	27	ONLY	22
KEEP	24	FWY	16



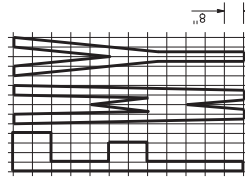
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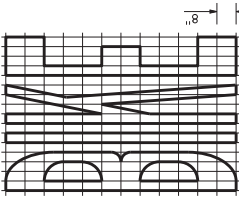
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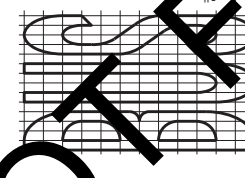
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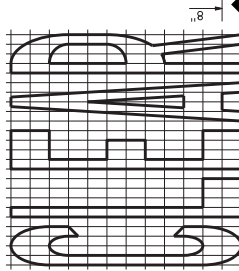
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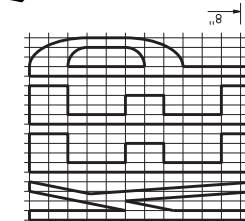
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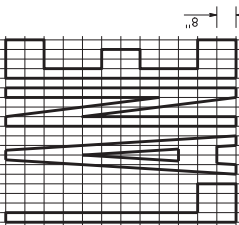
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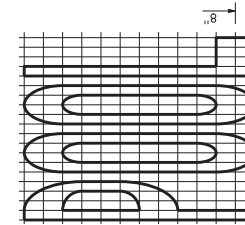
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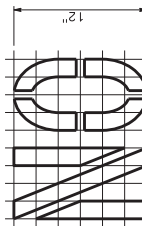
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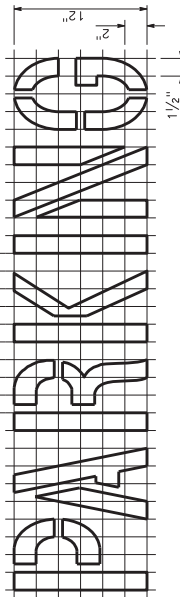
A=24 ft+2



A=23 ft+2



A=2 ft+2



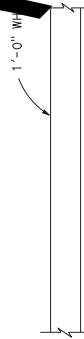
See Notes 6 and 7

**NOTES:**

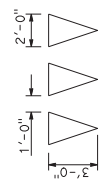
- If a message consists of more than one word, it must read "up", i.e., the first word must be nearest the driver.
- The space between words must be at least four times the height of the characters for low speed roads, but not more than ten times the height of the characters. The space may be reduced appropriately where there is limited space because of local conditions.
- Minor variations in dimensions may be accepted by the Engineer.
- Portions of a letter, number or symbol may be separated by connecting segments not to exceed 2" in width.
- The words "NO PARKING" pavement marking is to be used for parking facilities. For typical locations of markings, see Standard Plans A90A and A90B.
- The words "NO PARKING" shall be painted in white letters no less than 1/2" high on a contrasting background and located so that it is visible to traffic enforcement officials.

NOT FOR BID

1'-0" WHITE LINE



LIMIT LINE (STOP LINE)



WHITE SERIES OF ISOSCELES TRIANGLES

YIELD LINE

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKINGS  
WORDS, LIMIT AND YIELD LINES**

NO SCALE

**A 24E**

Return to Table of Contents

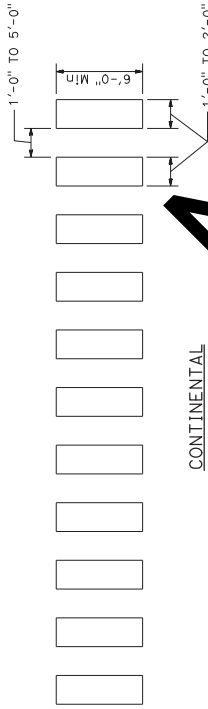
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

**REGISTERED CIVIL ENGINEER**  
*Alfego Eferouza*  
 May 31, 2018  
 PLANS PROJECT NO. CE0402  
 No. 3-31-19  
 THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS SHALL NOT BE RESPONSIBLE FOR  
 ERRORS OR OMISSIONS UNLESS SHOWN OTHERWISE ON THIS SHEET.

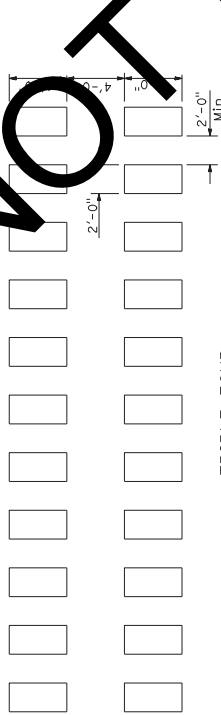
**NOTES:**

1. Spaces between markings must be placed in wheel tracks of each lane.
2. Spacings not to exceed 2.5 times width of longitudinal line.
3. All crosswalk markings must be white except those near schools must be yellow.

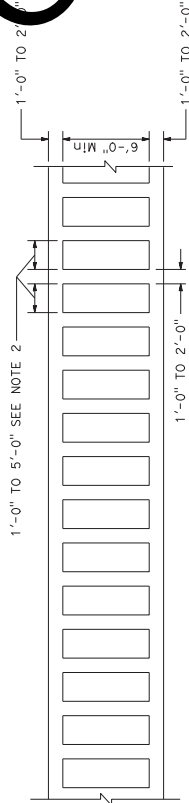
**NOT FOR BID**



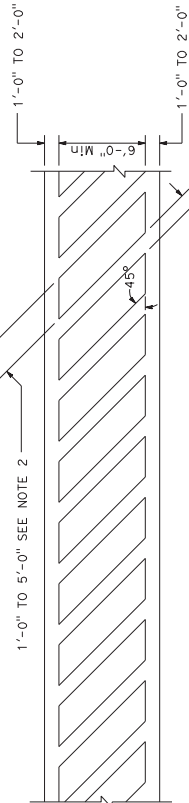
**CONTINENTAL**  
See Note 1



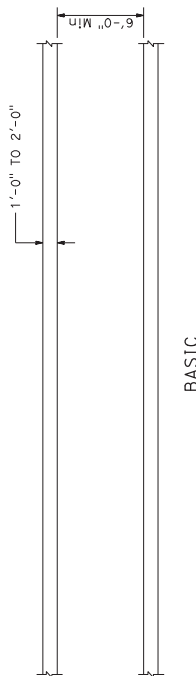
**TRIPLE FOUR**  
See Note 1



**LADDER**



**DIAGONAL**  
**HIGHER VISIBILITY CROSSWALKS**



**BASIC**

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**PAVEMENT MARKINGS**  
**CROSSWALKS**

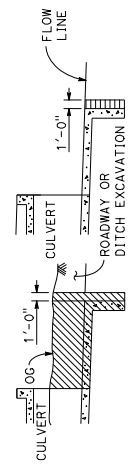
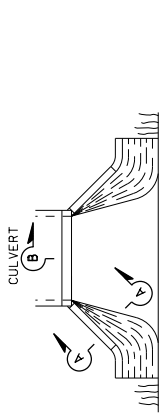
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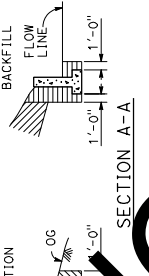
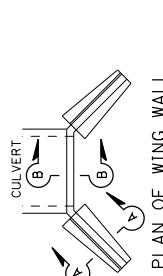
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

REGISTERED CIVIL ENGINEER  
 May 31, 2018  
 PLAN SHEET NO. 059216  
 No. 6-30-18  
 CIVIL  
 STATE OF CALIFORNIA  
 REGISTERED PROFESSIONAL ENGINEER

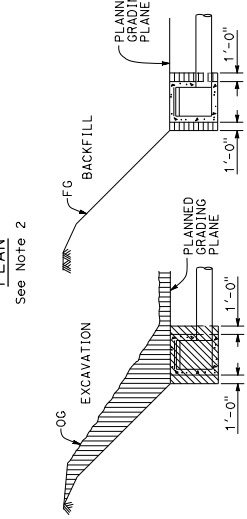
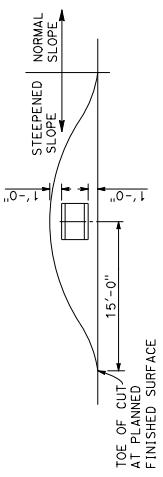
PLANS FOR THE STATE OF CALIFORNIA FOR THE OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF THIS PLAN SHEET.



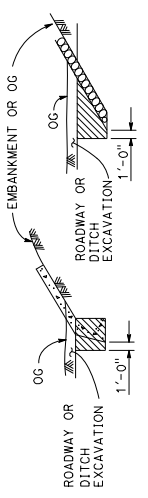
**WARPED WING WALLS**



**WING WALLS**



**RECESSES AT DRAINAGE INLETS**



**SLOPE PROTECTION**  
See Note 3

**PIPE HEADWALLS**



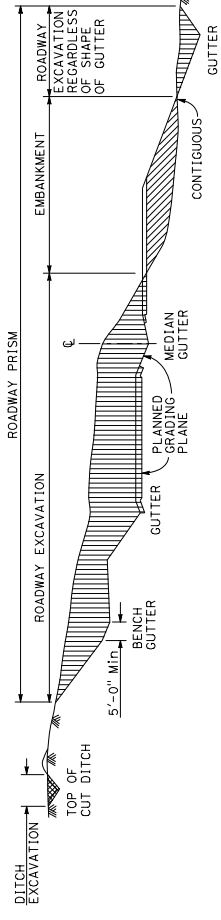
**SLOPE ROUNDING**



**PAVED OR LINED DITCH**



**ROADWAY EXCAVATION - DITCH EXCAVATION**



**NOTES:**

- This drawing indicates the work to be done and limits of payment for:  
 Roadway Excavation  
 Ditch Excavation  
 Structure Excavation for Slope Protection
- Slopes and dimensions may vary to fit field conditions.
- Top limit of structure excavation is original ground if ditch is not excavated.

**LEGEND**

- STRUCTURE EXCAVATION
- ROADWAY EXCAVATION
- STRUCTURE BACKFILL
- DITCH EXCAVATION
- SLOPE PROTECTION
- ROADWAY EXCAVATION
- ROADWAY EMBANKMENT

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**EXCAVATION AND BACKFILL  
MISCELLANEOUS  
DETAILS**

NO SCALE

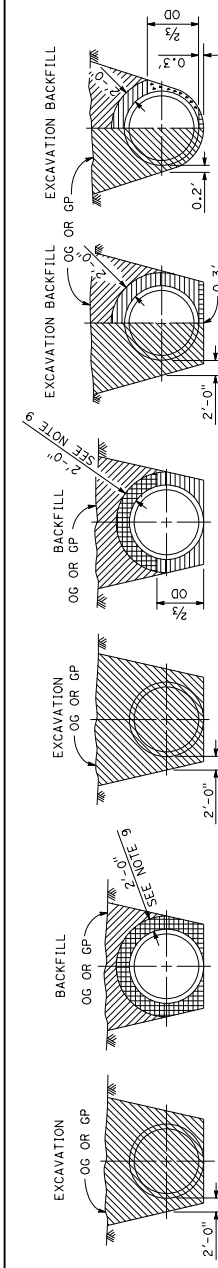
**A 62A**

NOT FOR BID

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

REGISTERED CIVIL ENGINEER  
 May 31, 2018  
 PLAN SHEET  
 THE STATE OF CALIFORNIA FOR ITS OFFICERS  
 OR AGENTS SHALL NOT BE RESPONSIBLE FOR  
 ERRORS OR OMISSIONS OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER  
 Carl M. Durr  
 No. C539216  
 Exp. 8-30-18  
 CIVIL  
 STATE OF CALIFORNIA



**NOTES:**

1. Unless otherwise shown on the plans or specified in the special provisions, the contractor shall have the option of selecting the class of RCP and the method of bedding to be used provided the height of cover does not exceed the values shown for the RCP selected.

Example:  
 2'-0" RCP culvert with maximum cover of 19'-0" the options are:  
 a) Class I Special or stronger with Method 1.  
 b) Class II or stronger with Method 2.  
 c) Class III or stronger with Method 3.

Cover is defined as the maximum vertical distance from top of pipe to finished grade within the length of any given culvert.

2. The class of RCP, method of bedding and bedding selected shall be the same throughout the length of any given culvert.

3. The "length of any culvert" is defined as the culvert between:  
 a) Successive drainage structures (inlets, junction boxes, headwalls, etc.).  
 b) A drainage structure and the inlet or outlet end of the culvert.  
 c) The inlet and outlet end of the culvert when there are no intervening drainage structures.

4. Slope or shore excavation sides as necessary.

5. Embankment height prior to excavation for installation of all classes of RCP under Methods 2 and 3A shall be as follows:  
 Pipe sizes 1'-0" to 3'-6", ID = 2'-6"  
 Pipe sizes 4'-0" to 7'-0", ID = 2'-6"  
 Pipe sizes larger than 7'-0", ID = 2'-6"

6. The maximum size for all classes of RCP placed under Method 1 is 6'-6" ID.  
 7. Non-reinforced precast pipe sizes 3'-0" or smaller may also be placed under Methods 1, 2 or 3.  
 8. Oval or arch shaped RCP shall be placed under Method 2 only.

9. Embankment compaction requirements govern over the 90% relative compaction backfill requirement within 2'-6" of finished grade.  
 10. Backfill shall be placed full width of excavation except where dimensions are shown for backfill width or thickness. Dimensions shown are minimums.

11. Where the precast non-reinforced concrete pipe is used as a substitute for the cast-in-place pipe, both the wall thickness and the concrete strength shall be at least as great as that specified for the cast-in-place pipe. The fill height allowed shall not exceed that shown for the cast-in-place pipe.

**SAND BEDDING SOIL CEMENT BEDDING IN TRENCH**

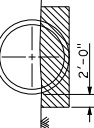
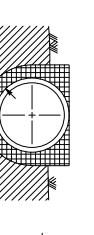
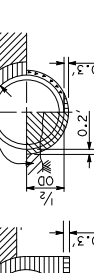
**SAND BEDDING SOIL CEMENT BEDDING IN EMBANKMENT**

**MINIMUM ALLOWABLE CLASSES OF RCP FOR METHOD 2**

COVER	MINIMUM CLASS AND D-LOAD
15.9'	CLASS II 10000
16.0' - 19.9'	CLASS II 13500
20.0' - 24.9'	CLASS III 17000
25.0' - 27.9'	CLASS III 20000
28.0' - 34.9'	CLASS II SPECIAL 25000
35.0' - 41.9'	CLASS II 30000
42.0' - 50.0'	CLASS I SPECIAL 36000

**MINIMUM ALLOWABLE CLASSES OF RCP FOR METHOD 3**

COVER	MINIMUM CLASS AND D-LOAD
26.0' - 31.9'	CLASS II 10000
32.0' - 41.9'	CLASS II 13500
42.0' - 44.9'	CLASS III SPECIAL 17000
45.0' - 55.9'	CLASS III 20000
56.0' - 67.9'	CLASS II SPECIAL 25000
68.0' - 80.0'	CLASS II 30000
	CLASS I SPECIAL 36000

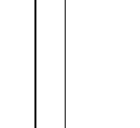
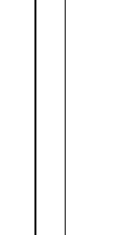
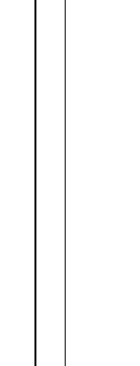
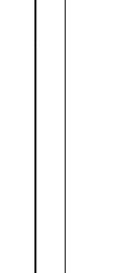
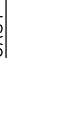
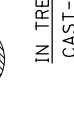
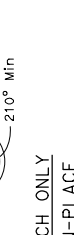
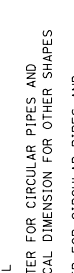
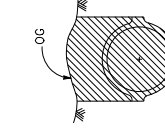
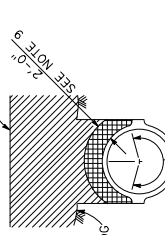
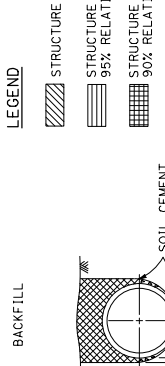
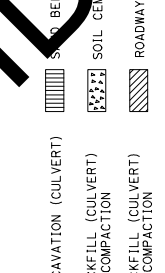
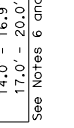
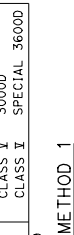
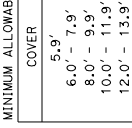
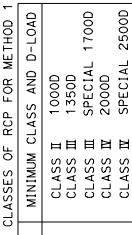
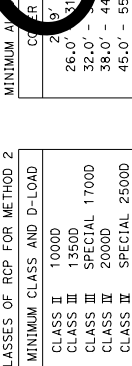
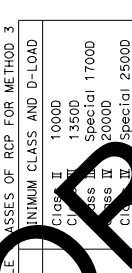
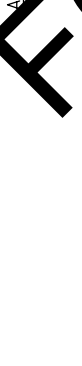


**REINFORCED CONCRETE PIPE**

**NON-REINFORCED CONCRETE PIPE**

**METHOD 1**

**METHOD 2**



**LEGEND**

- STRUCTURE EXCAVATION (CULVERT)
- STRUCTURE BACKFILL (CULVERT)
- STRUCTURE BACKFILL (CULVERT) 95% RELATIVE COMPACTION
- STRUCTURE BACKFILL (CULVERT) 90% RELATIVE COMPACTION
- LOOSE BACKFILL
- SOIL CEMENT BEDDING
- ROADWAY EMBANKMENT

OD = OUTSIDE DIAMETER FOR CIRCULAR PIPES AND MAXIMUM VERTICAL DIMENSION FOR OTHER SHAPES  
 ID = INSIDE DIAMETER FOR CIRCULAR PIPES AND MINIMUM VERTICAL DIMENSION FOR OTHER SHAPES

See Notes 1, 2, 7 and 10

See Notes 8 and 9

See Notes 7 and 11

**EXCAVATION AND BACKFILL CONCRETE PIPE CULVERTS**

**NO SCALE**

**A 62D**

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

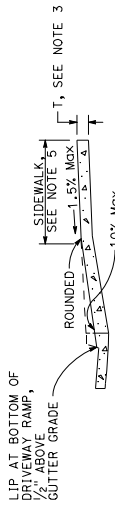
**REGISTERED CIVIL ENGINEER**  
 May 31, 2018  
 PLANS APPROVED DATE  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR ERRORS OR OMISSIONS OF THIS PLAN SHEET.

TABLE A

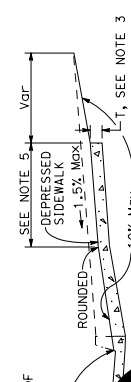
CURB TYPE	"H1"	"H2"	"W1"	"W2"
A1-6	1'-2"	6"	7 1/2"	1 1/2"
A1-8	1'-4"	8"	8"	2"
A2-6	1'-0"	6"	2'-7 1/2"	1 1/2"
A2-8	1'-2"	8"	2'-8"	2"
A3-6	6"	5"	7 1/4"	1 1/4"
A3-8	8"	7"	7 3/4"	1 3/4"
B1-4	1'-0"	4"	7 1/2"	2 1/2"
B1-6	1'-2"	6"	9"	4"
B2-4	10"	4"	2'-7 1/2"	2 1/2"
B2-6	1'-0"	6"	2'-9"	4"
B3-4	4"	3"	8 1/2"	3 1/2"
B3-6	6"	5"	8 1/2"	3 1/2"
D-4	10"	4"	1'-6"	1'-1"
D-6	1'-0"	6"	2'-2"	1'-9"

**CURB QUANTITIES**

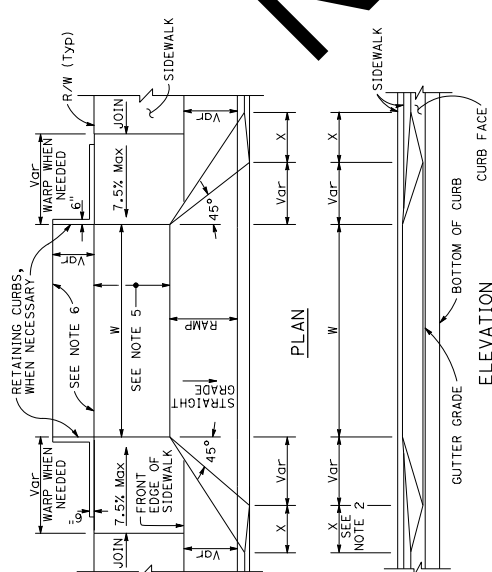
TYPE	CUBIC YARDS PER LINEAR FOOT
A1-6	0.02585
A1-8	0.03084
A2-6	0.05903
A2-8	0.06379
A3-6	0.01036
A3-8	0.01435
B1-4	0.02185
B1-6	0.02930
B2-4	0.05515
B2-6	0.06171
B3-4	0.00641
B3-6	0.01074
B4	0.05709
D-4	0.04083
D-6	0.06804
E	0.06661



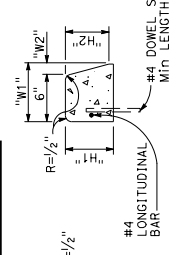
CASE A  
Typical driveway, sidewalk not depressed



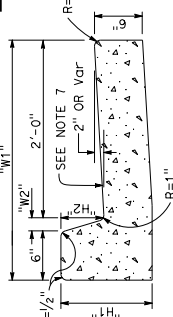
CASE B  
Driveway with depressed sidewalk



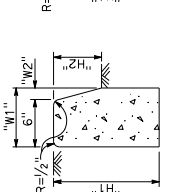
**DRIVEWAYS**



TYPE A3 CURBS  
Super-imposed on existing pavement  
See Table A

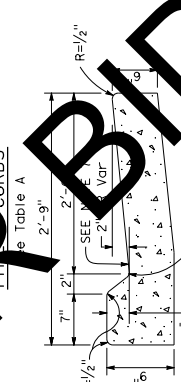


TYPE A2 CURBS  
See Table A

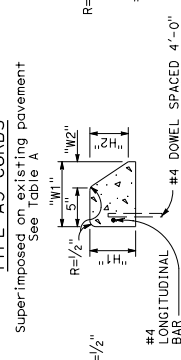


TYPE A1 CURBS  
See Table A

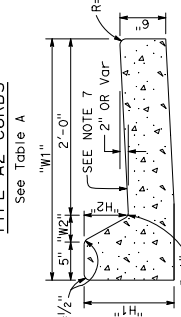
**DRIVEWAY CURBS**



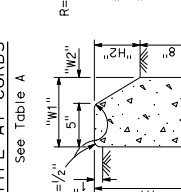
TYPE B4 CURBS  
See Table A



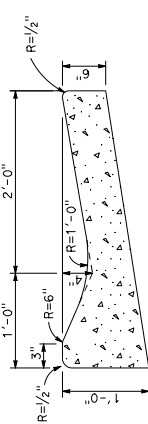
TYPE B3 CURBS  
Super-imposed on existing pavement  
See Table A



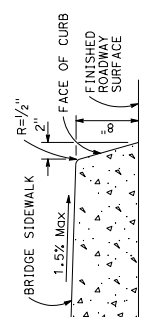
TYPE B2 CURBS  
See Table A



TYPE B1 CURBS  
See Table A



TYPE E CURB



TYPE H CURB  
On Bridges

**NOTES:**

- Case A driveway section typically applies.
- X=3'-0" except for curb heights over 10" where 4:1 slopes shall be used on curb slope.
- Sidewalk and ramp thickness "T" at driveway shall be 4" for residential and 6" for commercial.
- Difference in slope of the driveway ramp and the slope of a line between the gutter and a point on the roadway 5'-0" from gutter line shall not exceed 1" of depth over 10' of length. If a ramp slope, not gutter slope, where required.
- Minimum width of clear passageway for sidewalk shall be 4'-2".
- Retaining curbs and acquisition of construction easement may be necessary for narrow sidewalks or curb heights in excess of 6".
- Across the pedestrian route at curb ramp locations, the gutter pan slope shall not exceed 1" of depth for each 2'-0" of width.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**CURBS AND DRIVEWAYS**

NO SCALE

**A87A**

Return to Table of Contents



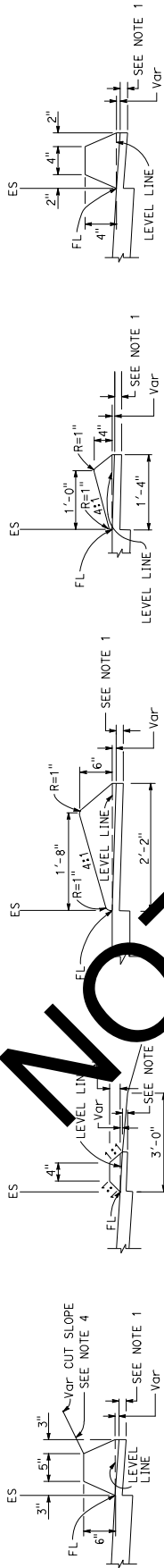
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

**U. Paul Carter**  
REGISTERED CIVIL ENGINEER

May 31, 2018  
PLANS ONLY, DATE  
No. CH997  
Exp. 3-31-20  
CUTL

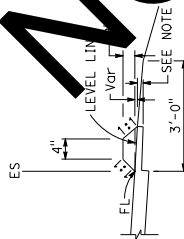
STATE OF CALIFORNIA  
REGISTERED PROFESSIONAL ENGINEER  
No. 49900  
Exp. 03-31-20  
CUTL

THE STATE OF CALIFORNIA AND ITS OFFICERS OR AGENCIES SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ANY INFORMATION CONTAINED HEREIN UNLESS SPECIFICALLY NOTED OTHERWISE ON THIS PLAN SHEET.

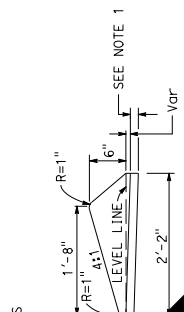


**TYPE A**

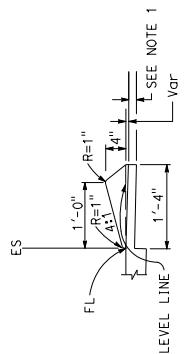
See Notes 3 and 5



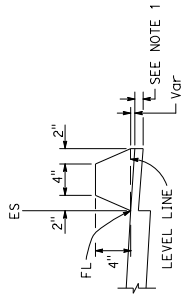
**TYPE C**



**TYPE D**

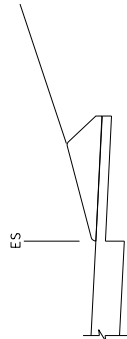


**TYPE E**



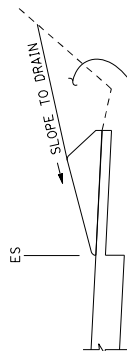
**TYPE F**

See Note 5



**CASE C-1**

CUT Slope



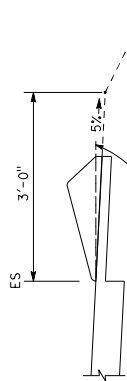
**CASE C-2**

Cut Slope



**CASE F**

See Note 2



**CASE R**

See Note 2

NOT FOR BID

**TYPE D AND E BACKFILL DETAILS**

**DIKE QUANTITIES**

TYPE	CUBIC YARDS PER LINEAR FOOT
A	0.0135
C	0.0038
D	0.0293
E	0.0130
F	0.0066

Quantities based on 5% cross slope.

- NOTES:**
- For HMA shoulders only, extend top layer of HMA placed on the shoulder under dike with no joint at the ES. For projects with OGFC shoulders, do not extend OGFC under dike. See project plans for modified dike detail.
  - Case R applies to retrofit only projects where restrictive conditions do not provide enough width for Case F backfill.
  - Type A dikes only to be used where restrictive slope conditions do not provide enough width to use Type D or Type E dike.
  - Fill and compact with excavated material to top of dike.
  - Use Type A or F dike, where dike is required with guardrail installations. See Standard Plan A77M4 for dike positioning details. See Standard Plan A77N3 for hinge point offsets with guardrail.

**HOT MIX ASPHALT DIKES**

NO SCALE

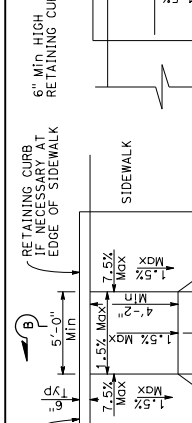
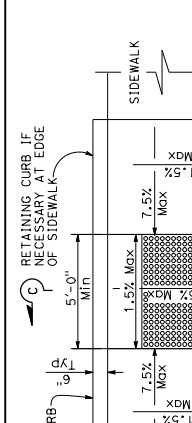
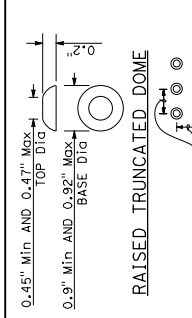
**A87B**

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIST#	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL SHEETS

REGISTERED CIVIL ENGINEER MAY 31, 2018 EXPIRES: 5/31/19 REBECCA L. VENTI 17500 S. HUNTERS BLVD., SUITE 100 VAN NUYS, CA 91411 TEL: 818-708-1111 FAX: 818-708-1112 WWW.REBECCAVENTI.COM



**RAISED TRUNCATED DOME PATTERN (IN-LINE) DETECTABLE WARNING SURFACE**

SEE NOTE 10

1. As site conditions dictate, Case A through Case G curb ramps may be used. The case of curb ramps used in Detail A do not have to be the same. Case A through Case G curb ramps also may be used at mid-block locations, as site conditions dictate. For specific site condition configuration, including the conform to existing sidewalk, see Project Plans.

2. If distance from curb to back of sidewalk is too short to accommodate ramp and 4'-2" platform (landing) as shown in Case A, the sidewalk may be depressed longitudinally as in Case B or C or may be widened as in Case D.

3. When ramp is located in center of curb return, crosswalk configuration must be similar to that shown for Detail B.

4. As site conditions dictate, the retaining curb side and the flared side of the Case G ramp shall be constructed in reversed position.

5. The ramp portion of the curb ramp is a typical rectangle, unless modified in the Project Plans.

6. Side slope of ramp flares vary uniformly from a maximum of 9.0% of curb to conform with longitudinal sidewalk slope adjacent to top of the ramp, except in Case C and Case F.

7. The adjacent surfaces at transitions at curb ramps to walks, gutters, and streets shall be at the same level.

8. Counter slopes of adjoining gutters and road surfaces immediately adjacent to and within 24 inches of the curb ramp shall not be steeper than 1V:20H (5.0%). Gutter pan slope shall not exceed 1" of depth for each 2'-0" of width.

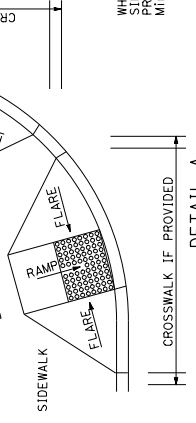
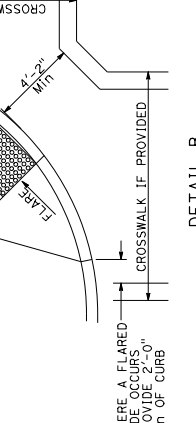
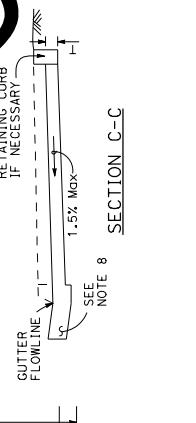
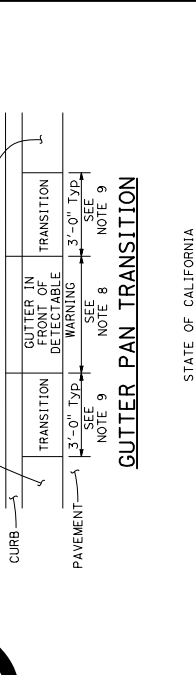
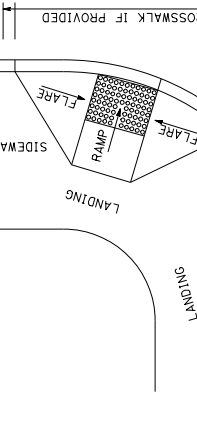
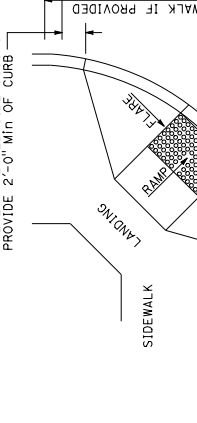
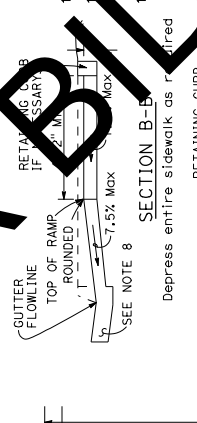
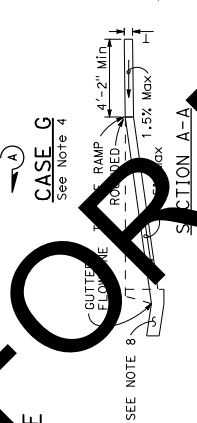
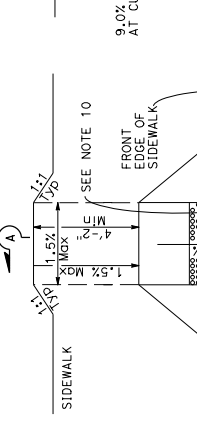
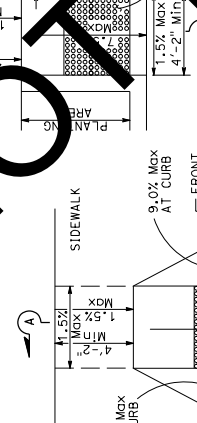
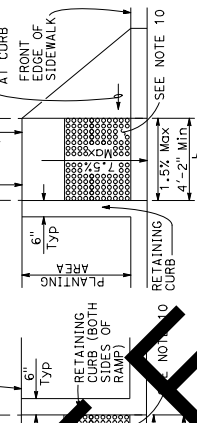
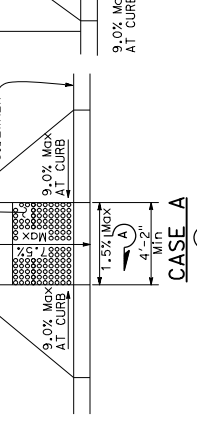
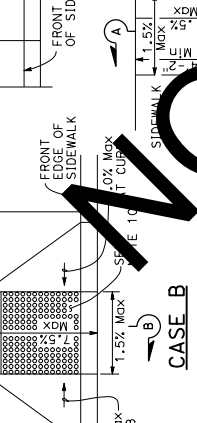
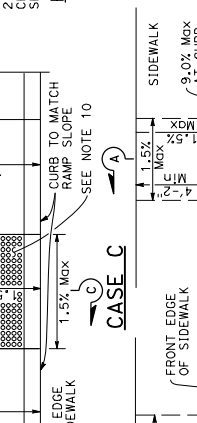
9. Transition gutter pan slope from 1" of depth for each 2'-0" of width to match typical gutter pan slope per Standard Plan A87A.

10. The detectable warning surface will be a rectangle as shown at back of curb, unless modified in the Project Plans. Curb ramps shall have a detectable warning surface that extends the full width and 3'-0" depth of the ramp. Detectable warning surfaces shall extend the full width of the ramp except a maximum gap of one inch is allowed on each side of the ramp. Detectable warning surfaces shall conform to the requirements in the Standard Specifications.

11. Sidewalk and ramp thickness, "T", shall be 3/2" minimum.

12. Utility pull boxes, manholes, vaults and all other utility facilities within the boundaries of the curb ramp will be relocated or adjusted to grade by the owner prior to, or in conjunction with, curb ramp construction.

13. Detectable warning surface may have to be cut to allow removal of utility cutters while maintaining detectable warning width and depth.

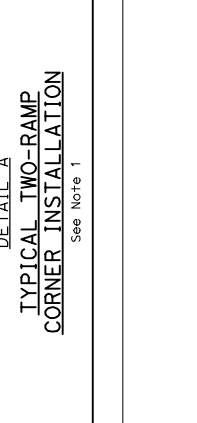
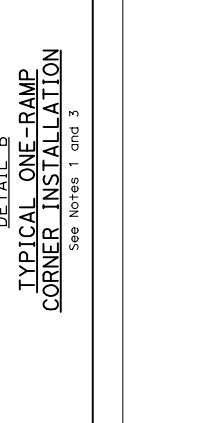
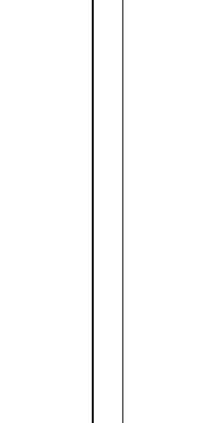


**CURB RAMP DETAILS**  
NO SCALE

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**A88A**

NOT FOR BID



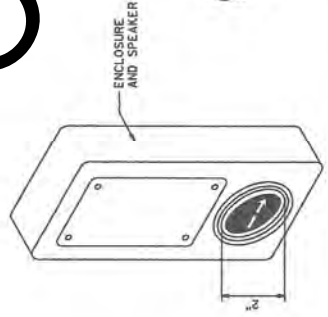
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DATE	ROUTE	TOTAL SHEETS	SHEET NO.

REGISTERED ELECTRICAL ENGINEER  
 October 15, 2021  
 PLANS APPROVAL DATE  
 THE STATE OF CALIFORNIA  
 ALL RIGHTS SHALL BE RESPONSIBLE FOR  
 THE CONTENTS OF THIS PLAN SHEET.

TO ACCOMPANY PLANS DATED

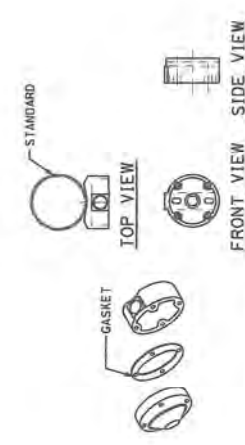
**NOT FOR BID**



ACCESSIBLE PEDESTRIAN SIGNAL  
DETAIL A



TYPE B PUSH BUTTON ASSEMBLY  
DETAIL B



TYPE C PUSH BUTTON ASSEMBLY  
DETAIL C

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**ELECTRICAL SYSTEMS  
(ACCESSIBLE PEDESTRIAN SIGNAL  
AND PUSH BUTTON ASSEMBLIES)**

NO SCALE

RSP ES-5C DATED OCTOBER 15, 2021 SUPERSEDES STANDARD PLAN ES-5C  
DATED MAY 31, 2018 - PAGE 506 OF THE STANDARD PLANS BOOK DATED 2018.

**REVISED STANDARD PLAN RSP ES-5C**

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DIST	COUNTY	ROUTE	FIRST MILE TOTAL PROJECT	SHEET TOTAL SHEETS

REGISTERED ELECTRICAL ENGINEER  
AL L  
October 15, 2021  
STATE OF CALIFORNIA  
No. E17490  
EXPIRES 6-30-23  
ELECTRICAL  
THE STATE GOVERNMENT AND ITS OFFICERS  
OR AGENCIES SHALL NOT BE RESPONSIBLE FOR  
THE CONTENTS OF THIS PLAN SHEET.

PROFESSIONAL ENGINEER  
JOHN L. COBITO  
No. E17490  
EXPIRES 6-30-23  
ELECTRICAL  
STATE OF CALIFORNIA

TO ACCOMPANY PLANS DATED \_\_\_\_\_

**STANDARD**

NEW	EXISTING	TYPE
		15
		150
		15 STRUCTURE
		150 STRUCTURE
		21
		210
		21 STRUCTURE
		210 STRUCTURE
		30
		31
		32

**ANNOTATION**

SYMBOL	DESCRIPTION
[AB]	ABANDON. IF APPLIED TO CONDUIT, REMOVE CONDUCTORS
[BC]	INSTALL PULL BOX IN EXISTING CONDUIT RUN
[BP]	PEDESTRIAN BARRICADE, TYPE AS INDICATED ON PLAN
[CB]	INSTALL CONDUIT INTO EXISTING PULL BOX
[CC]	CONNECT NEW AND EXISTING CONDUIT. REMOVE EXISTING CONDUCTORS AND INSTALL CONDUCTORS AS INDICATED
[CF]	CONDUIT TO REMAIN FOR FUTURE USE. REMOVE CONDUCTORS BEFORE INSTALLATION
[DH]	DETECTOR HANDHOLE
[FA]	FOUNDATION TO BE ABANDONED
[IS]	INSTALL SIGN ON SIGNAL MAST ARM
[NS]	NO SLIP BASE ON STANDARD
[PEL]	PHOTOELECTRIC CONTROL
[PEL]	PHOTOELECTRIC UNIT
[RC]	EQUIPMENT OR MATERIAL TO BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR
[RL]	RELOCATE EQUIPMENT
[RR]	REMOVE AND REUSE EQUIPMENT
[RS]	REMOVE AND SALVAGE EQUIPMENT
[SC]	SPLICE NEW TO EXISTING CONDUCTORS
[SD]	SERVICE DISCONNECT
[TSF]	TELEPHONE SERVICE POINT

**SOFFIT AND WALL-MOUNTED LUMINAIRES**

SYMBOL	DESCRIPTION
	PENDANT SOFFIT LUMINAIRE
	FLUSH-MOUNTED SOFFIT LUMINAIRE
	WALL-MOUNTED LUMINAIRE
	EXISTING SOFFIT OR WALL-MOUNTED LUMINAIRE TO REMAIN UNMODIFIED
	EXISTING SOFFIT OR WALL-MOUNTED LUMINAIRE TO BE MODIFIED AS SPECIFIED

**NOTE:**  
Arrow indicates "street side" of luminaire.

**MISCELLANEOUS ELECTRONIC DEVICES**

NEW	EXISTING	DESCRIPTION
		LUMINAIRE IN WOOD POLE
		NON-STANDARD ELECTROMETER (SEE PROJECT LEGEND)
		CITY ELECTROLINER
		ELECTROLINER FOUNDATION (FUTURE INSTALLATION)

**NOTE:**

- Luminaires shall be Roadway 2 when installed on Type 21, 210, 30, 31, and 32 Standards, unless otherwise specified. Luminaires shall be Roadway 1 when installed on other Type standards or poles, unless otherwise specified.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**ELECTRICAL SYSTEMS (LEGEND)**

NO SCALE

RSP ES-1A DATED OCTOBER 15, 2021. SUPERSEDES RSP ES-1A DATED OCTOBER 19, 2018. AND STANDARD PLAN ES-1 DATED MAY 31, 2018 - PAGE 475 OF THE STANDARD PLANS BOOK DATED 2018.

**REVISED STANDARD PLAN RSP ES-1A**

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DIST#	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

REGISTERED ELECTRICAL ENGINEER  
 JOHN L. CORBITO  
 No. E17490  
 Exp. 6-30-21  
 STATE OF CALIFORNIA  
 PROFESSIONAL ENGINEER

APR 17, 2020  
 DATE APPROVED  
 THE STATE OF CALIFORNIA FOR ITS OFFICERS  
 OR AGENTS SHALL NOT BE RESPONSIBLE FOR  
 THE CORRECTNESS OR SCANNED  
 COPIES OF THIS PLAN SHEET.

TO ACCOMPANY PLANS DATED \_\_\_\_\_

**SIGNAL EQUIPMENT**

NEW	EXISTING	DESCRIPTION	NEW	EXISTING	DESCRIPTION
---	---	LIGHTING CONDUIT, UNLESS OTHERWISE INDICATED OR NOTED	□	□	PEDESTRIAN SIGNAL HEAD
---	---	TRAFFIC SIGNAL CONDUIT	⊙	⊙	PUSH BUTTON ASSEMBLY POST
---	---	COMMUNICATION CONDUIT	—	—	PEDESTRIAN BARRICADE
---	---	TELEPHONE CONDUIT	—	—	VEHICLE SIGNAL HEAD CONSISTING OF RED, YELLOW, AND GREEN SECTIONS
---	---	FIRE ALARM CONDUIT	—	—	VEHICLE SIGNAL HEAD WITH ANGLE VISOR
---	---	FIBER OPTIC CONDUIT	—	—	
---	---	CONDUIT TERMINATION	—	—	
---	---	CONDUIT RISER ATTACHED TO THE STRUCTURE OR SERVICE POLE	—	—	

**SERVICE EQUIPMENT**

NEW	EXISTING	DESCRIPTION	NEW	EXISTING	DESCRIPTION
---	---	OVERHEAD LINES	—	—	
---	---	WOOD POLE, "U" INDICATES UTILITY OWNED	—	—	
---	---	POLE GUY WITH ANCHOR	—	—	
---	---	UTILITY TRANSFORMER - GROUND MOUNTED	—	—	
---	---	SERVICE EQUIPMENT ENCLOSURE TYPE, DOOR INDICATES FRONT OF ENCLOSURE	—	—	
---	---	TELEPHONE DEMARCATION CABINET	—	—	

**POLE-MOUNTED SERVICE DESIGNATION**

SYMBOL	DESCRIPTION
—	TYPE H SERVICE, 28'-10"
—	TYPE OF INSTALLATION AND POLE HEIGHT ABOVE GRADE

**FLASHING BEACON**

NEW	EXISTING	DESCRIPTION
—	—	FLASHING BEACON (ONE VEHICLE SIGNAL HEAD WITH BACKPLATE AND VISOR) "R" INDICATES RED INDICATION "Y" INDICATES YELLOW INDICATION
—	—	FLASHING BEACON WITH TYPE 15-FBS STANDARD AND A SIGN.
—	—	FLASHING BEACON WITH TYPES 9, 9A, OR 9B SIGN UNLESS OTHERWISE SPECIFIED OR INDICATED

**NOTES:**

- All signal sections shall be 12" unless shown otherwise.
- Signal heads shall be provided with backplates unless shown otherwise.

**OVERHEAD SIGN**

NEW	EXISTING	DESCRIPTION
—	—	SINGLE POST, SINGLE SIGN, BALANCED BUTTERFLY
—	—	SINGLE POST, DOUBLE SIGN, BALANCED BUTTERFLY
—	—	SINGLE POST, SINGLE SIGN, FULL CANTILEVER
—	—	DOUBLE POST, SINGLE SIGN
—	—	SINGLE SIGN MOUNTED ON STRUCTURE
—	—	SINGLE POST, SINGLE SIGN, FULL CANTILEVER WITH ELECTROLIER
—	—	DOUBLE POST, SINGLE SIGN WITH ELECTROLIER

NOT FOR BID

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**ELECTRICAL SYSTEMS  
 (LEGEND)**  
 NO SCALE

RSP ES-1B DATED APRIL 17, 2020 SUPERSEDES RSP ES-1B DATED OCTOBER 19, 2018 AND STANDARD PLAN ES-1B DATED MAY 31, 2018 - PAGE 476 OF THE STANDARD PLANS BOOK DATED 2018.

**REVISED STANDARD PLAN RSP ES-1B**

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DIST#	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

**REGISTERED ELECTRICAL ENGINEER**  
 APR 17, 2020  
 JOHN L. COBITO  
 No. E17490  
 Exp. 6-30-21  
 THE STATE OF CALIFORNIA  
 DEPARTMENT OF INDUSTRIAL RELATIONS  
 DIVISION OF INDUSTRIAL SAFETY  
 REGISTERED PROFESSIONAL ENGINEER  
 STATE OF CALIFORNIA

TO ACCOMPANY PLANS DATED \_\_\_\_\_

**EQUIPMENT DESIGNATION**

**SIGN:** \_\_\_\_\_ EQUIPMENT IDENTIFICATION CHARACTERS  
 SIGN No. 12345  
 10 05L SCI 10  
 \_\_\_\_\_ TRANSFORMER RATING (KVA)  
 \_\_\_\_\_ LIGHTING CONTROL TYPE  
 \_\_\_\_\_ NUMBER OF OVERHEAD SIGN LUMINAIRES  
**LIGHTING STANDARD, SIGNAL AND LIGHTING STANDARD:**  
 2745 - 15'-0"  
 \_\_\_\_\_ MAST ARM LENGTH  
 \_\_\_\_\_ EQUIPMENT IDENTIFICATION CHARACTERS  
**SOFFIT:**  
 138765 \_\_\_\_\_ EQUIPMENT IDENTIFICATION CHARACTERS

**NOTE:**  
 EXISTING EQUIPMENT IDENTIFICATION CHARACTERS ARE SHOWN IN PARENTHESIS

**MISCELLANEOUS EQUIPMENT**

	CHANGEABLE MESSAGE SIGN
	CAMERA
	HIGHWAY ADVISORY RADIO POLE AND ANTENNA
	EXTINGUISHABLE MESSAGE SIGN
	DETECTION DEVICE
	M = MICROWAVE SENSOR
	V = VIDEO IMAGE SENSOR
	RADAR SPEED FEEDBACK SIGN

**CONDUIT AND CONDUCTORS**

CONDUIT RUN NUMBER  
 3/2" C, 2#10 (L+g), 15#14 (Sig), 2 DLC, 12P#18, 1-COAXIAL CABLE (camera), 3-30SC, 2 SIC/  
 \_\_\_\_\_ NUMBER AND SIZE OF CONDUCTORS AND CABLES  
 \_\_\_\_\_ SIZE OF CONDUIT IN INCHES

**DETAILS**

STANDARD PLAN SHEET NUMBER  
 DETAIL, NUMBER, SECTION, TYPE, OR ELEVATION  
 EQUIPMENT OR MATERIAL DESIGNATION

**PHASE**

PEDESTRIAN  
 \_\_\_\_\_ TRAFFIC PHASE IDENTIFICATION FOR SIGNALS, DETECTORS, AND PHASE DIAGRAMS  
 PHASE \_\_\_\_\_

**WIRING COMPONENTS**

SYMBOL	DESCRIPTION
	EXTERNAL CONDUCTOR
	CONDUCTOR OR BUS
	TIE POINT
	CONTACTOR COIL
	CONTACTOR, NO CONTACT
	TERMINAL BLOCKS
	CONTACTOR, NC CONTACT
	ENCLOSURE BOND
	GROUNDING ELECTRODE
	CIRCUIT BREAKER
	RECEPTACLE

**HANDHOLES, PULL BOXES, AND VAULTS**

NEW	EXISTING	DESCRIPTION
		DETECTOR HANDHOLE
		PULL BOX, No. 5 UNLESS OTHERWISE INDICATED
		VAULT
		DESIGNATION: (E) EXTENDED PULL BOX (T) TRAFFIC PULL BOX (TR) TAMPER-RESISTANT PULL BOX
		No. 3 PULL BOX
		No. 6 PULL BOX (CEILING)
		No. 7 PULL BOX
		No. 8 PULL BOX
		No. 9 PULL BOX (STRUCTURE)
		No. 9A PULL BOX (STRUCTURE)

**VEHICLE DETECTOR DESIGNATION**

5 J 9 U  
 INPUT FILE (U = UPPER)  
 SLOT NUMBER IN INPUT FILE (1 TO 9)  
 INPUT FILE (1 OR J)  
 PHASE (1 TO 8)

**DETECTORS**

NEW	EXISTING	DESCRIPTION
		TYPE A LOOP DETECTOR. OUTLINE OF SAW CUT SHOWN
		TYPE B LOOP DETECTOR. OUTLINE OF SAW CUT SHOWN
		TYPE C LOOP DETECTOR. OUTLINE OF SAW CUT SHOWN
		TYPE D LOOP DETECTOR. OUTLINE OF SAW CUT SHOWN
		TYPE E LOOP DETECTOR. OUTLINE OF SAW CUT SHOWN
		TYPE F LOOP DETECTOR. OUTLINE OF SAW CUT SHOWN
		TYPE G LOOP DETECTOR. OUTLINE OF SAW CUT SHOWN
		MICROWAVE OR VIDEO DETECTION ZONE

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

**ELECTRICAL SYSTEMS (LEGEND)**

NO SCALE

RSP ES-1C DATED APRIL 17, 2020. SUPERSEDES RSP ES-1C DATED OCTOBER 18, 2019. THIS PLAN IS A STANDARD PLAN. IT IS SUBJECT TO THE STANDARD PLAN BOOK DATED OCTOBER 18, 2019. THIS PLAN IS A STANDARD PLAN. IT IS SUBJECT TO THE STANDARD PLAN BOOK DATED 2018.

**REVISED STANDARD PLAN RSP ES-1C**

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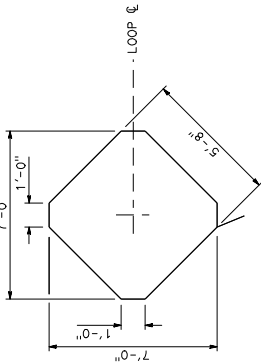
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

REGISTERED ELECTRICAL ENGINEER  
 October 19, 2018  
 H. R. Zafar  
 PROFESSIONAL ENGINEER  
 No. E15636  
 Exp. 12-31-19  
 STATE OF CALIFORNIA

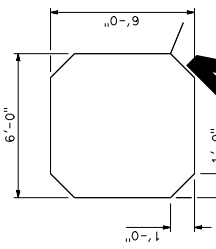
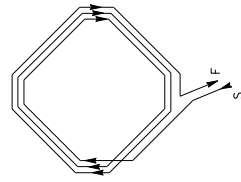
TO ACCOMPANY PLANS DATED \_\_\_\_\_

**NOTES:**

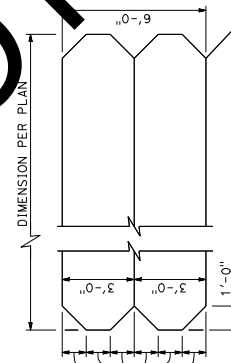
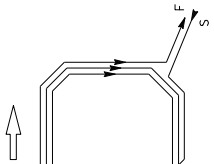
1. Round corners of acute angle saw cuts to prevent damage to conductors.
2. Typical distance separating loops from edge to edge is 10' for Type A, B, D, E, and F installation in single lane.
3. Use Type D and F loops for limit line detection and bicycle lanes.



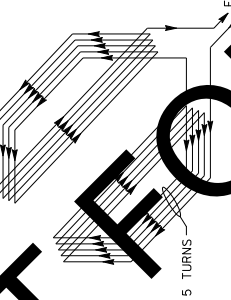
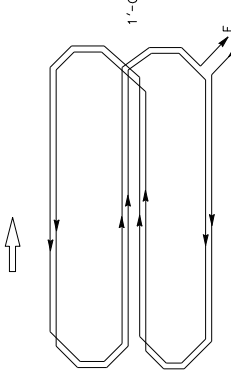
WINDING DETAIL  
TYPE B LOOP DETECTOR CONFIGURATION  
SAW CUT DETAIL



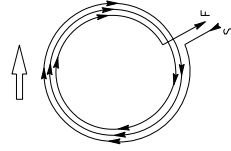
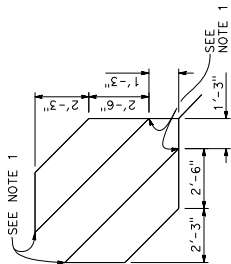
WINDING DETAIL  
TYPE A LOOP DETECTOR CONFIGURATION  
SAW CUT DETAIL



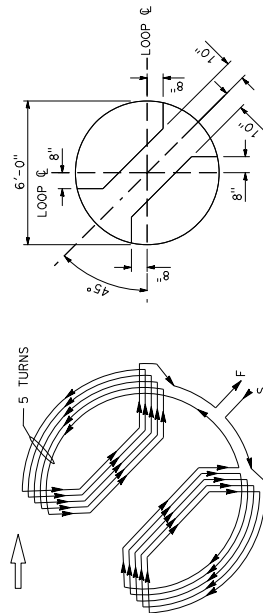
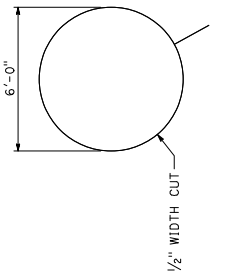
WINDING DETAIL  
TYPE C LOOP DETECTOR CONFIGURATION  
SAW CUT DETAIL



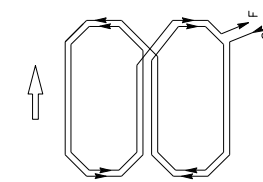
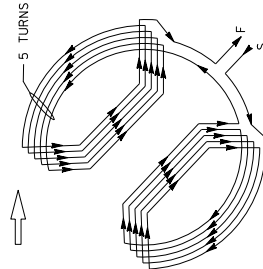
WINDING DETAIL  
TYPE D LOOP DETECTOR CONFIGURATION  
SAW CUT DETAIL



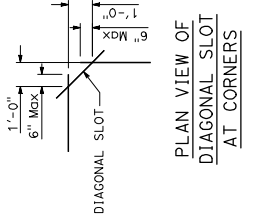
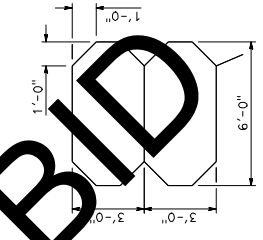
WINDING DETAIL  
TYPE E LOOP DETECTOR CONFIGURATION  
SAW CUT DETAIL



WINDING DETAIL  
TYPE F LOOP DETECTOR CONFIGURATION  
SAW CUT DETAIL



WINDING DETAIL  
TYPE Q LOOP DETECTOR CONFIGURATION  
SAW CUT DETAIL



PLAN VIEW OF  
DIAGONAL SLOT  
AT CORNERS

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**ELECTRICAL SYSTEMS  
(DETECTORS)**

NO SCALE

RSP ES-5B DATED OCTOBER 19, 2018 SUPERSEDES STANDARD PLAN ES-5B  
DATED MAY 31, 2018 - PAGE 505 OF THE STANDARD PLANS BOOK DATED 2018.

**REVISED STANDARD PLAN RSP ES-5B**



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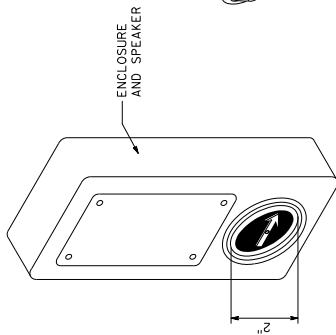
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

**REGISTERED ELECTRICAL ENGINEER**  
**AL L**  
 October 15, 2021  
 PLEASE APPROVE: \_\_\_\_\_  
 THE STATE OF CALIFORNIA FOR ITS OFFICERS  
 AND AGENTS SHALL NOT BE RESPONSIBLE FOR  
 THE ACCURACY OR COMPLETENESS OF SCANNED  
 COPIES OF THIS PLAN SHEET.

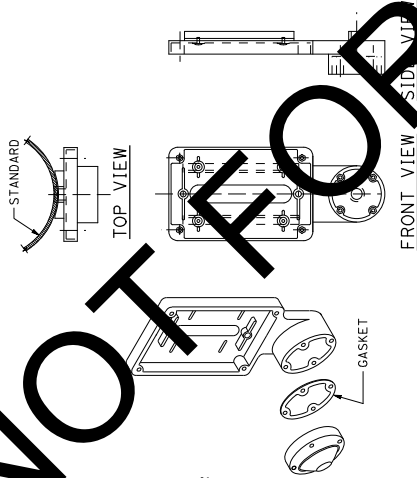
REGISTERED PROFESSIONAL ENGINEER  
 JOHN L. ORTIZ  
 No. E17490  
 Exp. 8-30-23  
 STATE OF CALIFORNIA  
 ELECTRICIAN

TO ACCOMPANY PLANS DATED \_\_\_\_\_

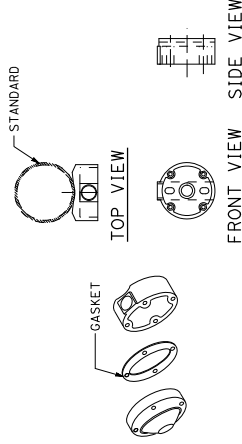
NOT FOR BID



ACCESSIBLE PEDESTRIAN SIGNAL  
DETAIL A



TYPE B PUSH BUTTON ASSEMBLY  
DETAIL B



TYPE C PUSH BUTTON ASSEMBLY  
DETAIL C

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**ELECTRICAL SYSTEMS  
(ACCESSIBLE PEDESTRIAN SIGNAL  
AND PUSH BUTTON ASSEMBLIES)**

NO SCALE

RSP ES-5C DATED OCTOBER 15, 2021, SUPERSEDES STANDARD PLAN ES-5C  
DATED MAY 31, 2018 - PAGE 506 OF THE STANDARD PLANS BOOK DATED 2018.

**REVISED STANDARD PLAN RSP ES-5C**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTALS NO. SHEETS

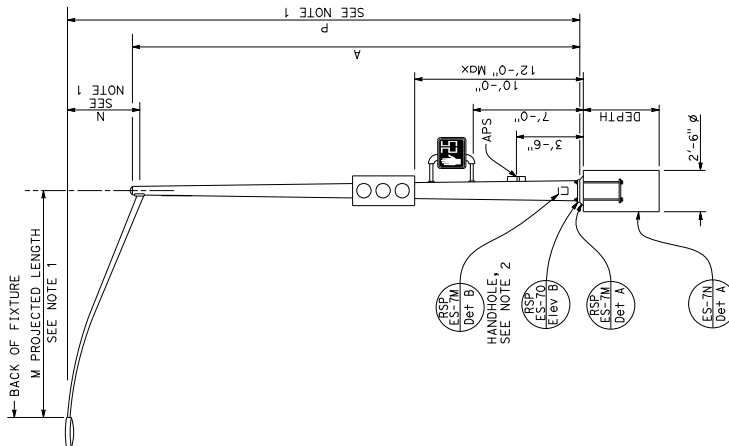
REGISTERED CIVIL ENGINEER  
October 19, 2018  
EXPIRES: 10/19/2021  
No. 031793  
Exp. 3-31-20  
CIVIL  
STATE OF CALIFORNIA

PROFESSIONAL ENGINEER  
Randy P. Jarama  
No. 031793  
Exp. 3-31-20  
CIVIL  
STATE OF CALIFORNIA

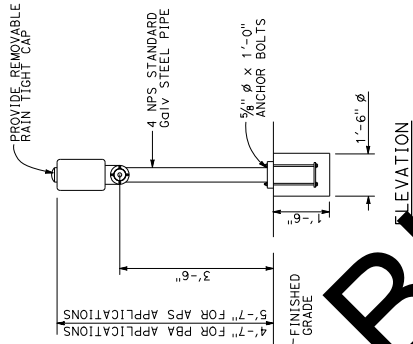
October 19, 2018  
DATE OF APPROVAL  
DATE OF EXPIRATION  
DATE OF EXPIRATION  
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DATE OF EXPIRATION

TO ACCOMPANY PLANS DATED \_\_\_\_\_

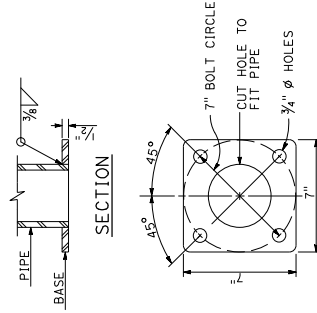
- NOTES:**
- For additional notes, details and data for Type 15TS and Type 21TS Standards, see Standard Plan ES-6A.
  - Handhole shall be located on the downstream side of traffic.



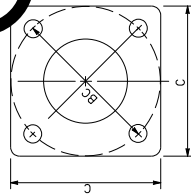
**TYPE 15TS AND 21TS STANDARD**  
ELEVATION A  
(See Note 1)



**PUSH BUTTON ASSEMBLY POST**  
DETAIL B



**BASE PLATE**  
**PBA POST**



**BASE PLATE**  
**TYPE 15TS AND 21TS**  
DETAIL A

POLE TYPE	POLE DATA		BASE PLATE DATA			CIDH DEPTH
	HEIGHT	MIN OD BASE	WALL THICKNESS	BC = BOLT CIRCLE	THICKNESS	
15TS	30'-0"	8"	3 1/8"	1'-1 1/2"	1'-0"	7'-6"
21TS	35'-0"	9 3/8"	3 3/8"	1'-3"	1'-2"	8'-6"

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**ELECTRICAL SYSTEMS**  
**(SIGNAL AND LIGHTING STANDARD, TYPE TS,**  
**AND PUSH BUTTON ASSEMBLY POST)**

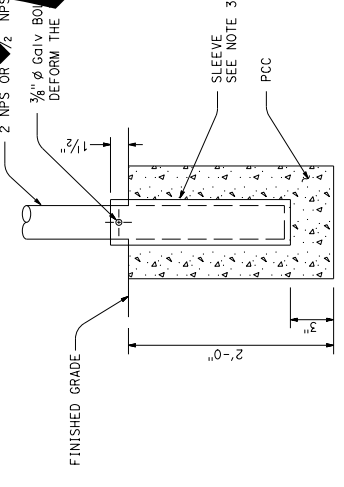
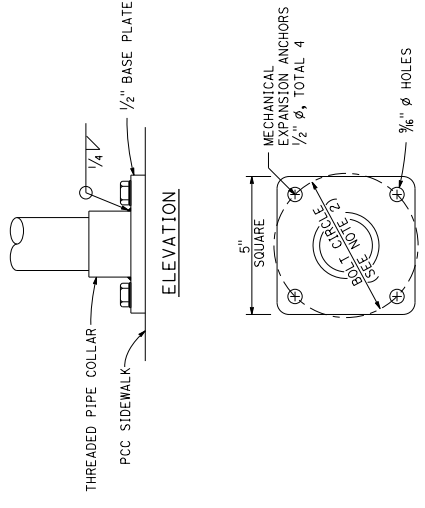
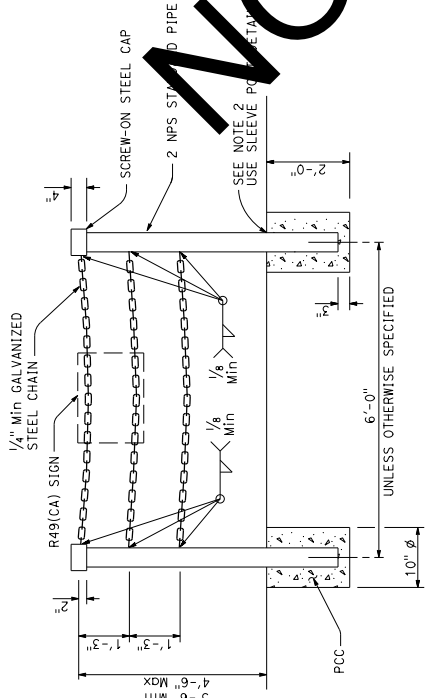
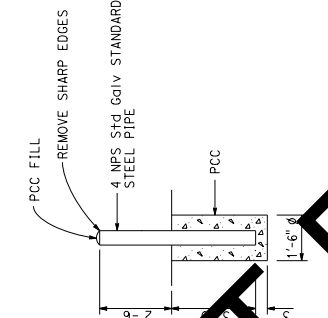
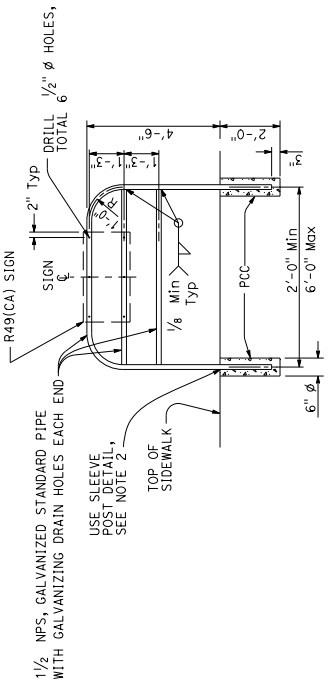
NO SCALE

RSP ES-7A DATED OCTOBER 19, 2018 SUPERSEDES STANDARD PLAN ES-7A  
DATED MAY 31, 2018 - PAGE 515 OF THE STANDARD PLANS BOOK DATED 2018.

**REVISED STANDARD PLAN RSP ES-7A**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

MAY 31, 2018  
 PLANS APPROVED DATE  
 REGISTERED PROFESSIONAL CIVIL ENGINEER  
 R. J. JOHNSON  
 No. 037793  
 Exp. 3-31-20  
 CIVIL  
 STATE OF CALIFORNIA  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR ERRORS OR OMISSIONS UNLESS SHOWN OTHERWISE ON THIS PLAN SHEET.



NOTES:

1. Pipe post to be set 1'-6" back from face of curb unless otherwise specified.
2. Where barricade posts are installed in existing concrete sidewalk, the post may be anchored to the sidewalk as shown in the "Post Anchorage Detail". Bolt circle diameter shall be 4" minimum for Type I barricade and 5" minimum for Type II barricade.
3. Steel sleeve shall be constructed with an inside diameter 1/16" larger than the post's outside diameter. Wall thickness of sleeve shall be same as post or larger.
4. Alternative details may be submitted for approval by the Engineer.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**ELECTRICAL SYSTEMS  
(PEDESTRIAN BARRICADES)**

NO SCALE

**ES-7Q**

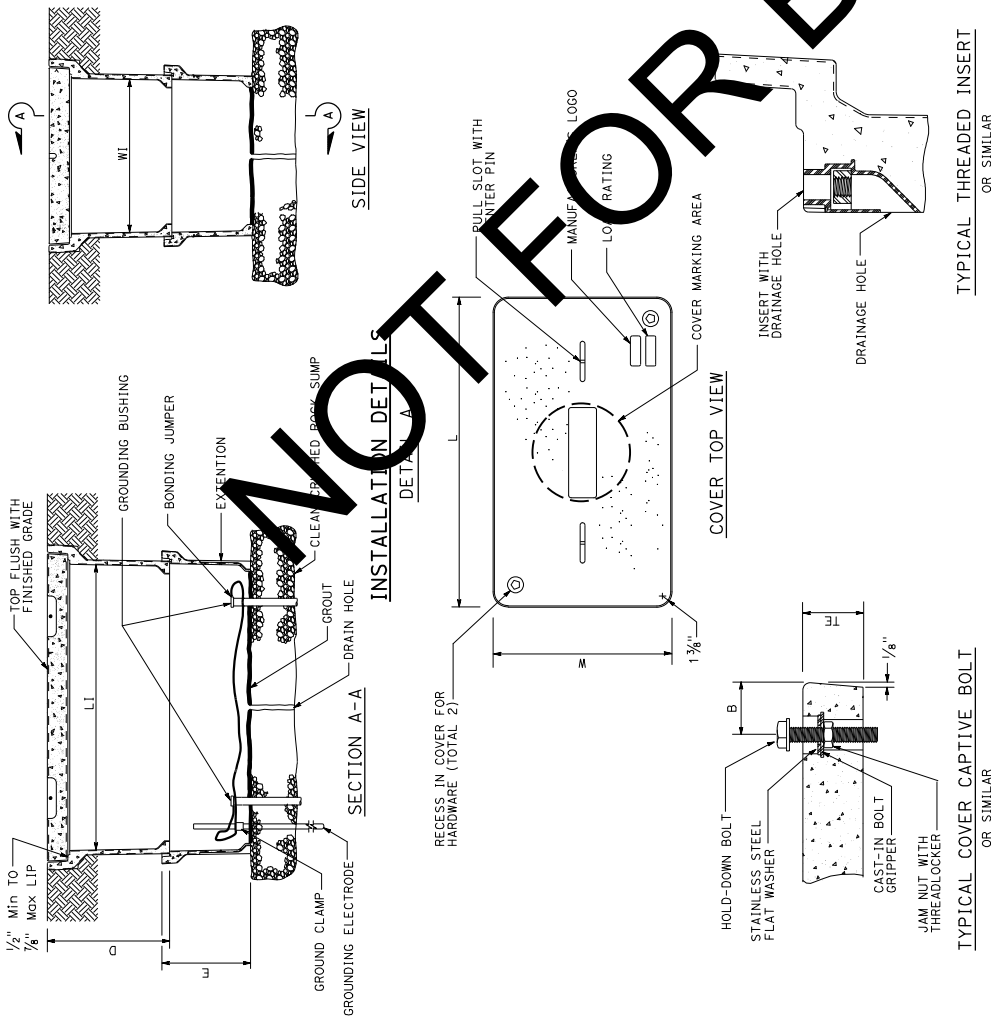
NOT FOR BID

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DI&T	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

REGISTERED ELECTRICAL ENGINEER  
 PROFESSIONAL ENGINEER  
 Hamid Zafar  
 No. E15636  
 Exp. 12-31-19  
 STATE OF CALIFORNIA  
 REGISTERED ELECTRICAL ENGINEER  
 October 18, 2019  
 PLEASE APPROVAL DATE  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS OR FOR THE CORRECTNESS OF THIS PLAN SHEET.

TO ACCOMPANY PLANS DATED \_\_\_\_\_



STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**ELECTRICAL SYSTEMS (NON-TRAFFIC PULL BOX)**  
NO SCALE

RSP ES-8A DATED OCTOBER 18, 2019. SUPERSEDES STANDARD PLAN ES-8A DATED MAY 31, 2018 - PAGE 532 OF THE STANDARD PLANS BOOK DATED 2018.

**REVISED STANDARD PLAN RSP ES-8A**

**NOMINAL DIMENSIONS TABLE**

PULL BOX TYPE	PULL BOX			COVER				MAXIMUM WEIGHT	
	MINIMUM DEPTH (D)	MINIMUM DEPTH EXTENSION (E)	MAXIMUM WEIGHT	LT Min	TE	B	L		W
No. 3/2	12"	N/A	40 lb	1'-2 3/8"	9"	1 3/4"	1'-3 1/4"	10" - 10 1/8"	30 lb
No. 5	12"	10"	65 lb	1'-8"	11"	1 3/4"	1'-11 1/4"	1'-1 3/4"	60 lb
No. 6	12"	10"	70 lb	2'-4 1/4"	2"	2"	2'-6 1/2"	1'-5 1/2"	95 lb

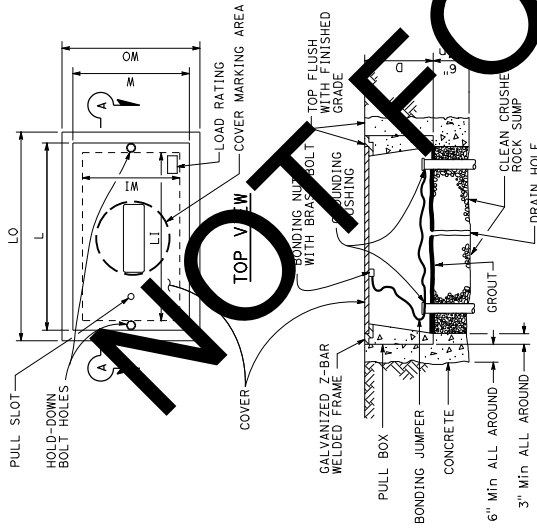
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Dist#	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

**REGISTERED ELECTRICAL ENGINEER**  
 H. R. F.  
 October 18, 2019  
 PLEASE APPROVE DATE  
 THE STATE OF CALIFORNIA FOR ITS OFFICERS  
 OR AGENTS SHALL NOT BE RESPONSIBLE FOR  
 THE CONTENTS OF THIS PLAN SHEET.

PROFESSIONAL ENGINEER  
 Hamid  
 Zolfaghari  
 No. E15636  
 Exp. 12-31-19  
 STATE OF CALIFORNIA

TO ACCOMPANY PLANS DATED \_\_\_\_\_



SECTION A-A

No. 3 1/2(T), No. 5(T), AND No. 6(T)  
TRAFFIC PULL BOX

NOMINAL DIMENSIONS TABLE

PULL BOX TYPE	MINIMUM THICKNESS	MINIMUM DEPTH D	PULL BOX						COVER		
			LO	LI	WO	WI	L	W			
No. 3 1/2(T)	1 1/2"	1'-0"	1'-10" - 1'-11"	1'-5" - 1'-6 1/2"	1'-3" - 1'-4"	10" - 1'-0"	1'-8" - 1'-8 1/2"	1'-1" - 1'-2"			
No. 5(T)	1 3/4"	1'-0"	2'-5" - 2'-6"	2'-0" - 2'-1"	1'-6" - 1'-7"	1'-1" - 1'-2"	2'-3" - 2'-3 1/2"	1'-4" - 1'-4 1/2"			
No. 6(T)	2"	1'-0"	2'-11" - 3'-1"	2'-6" - 2'-7"	1'-10" - 2'-0"	1'-5" - 1'-6"	2'-9" - 2'-9 1/2"	1'-8" - 1'-8 1/2"			

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**ELECTRICAL SYSTEMS  
(TRAFFIC PULL BOX)**

NO. SCALE

RSP ES-8B DATED OCTOBER 18, 2019 SUPERSEDES STANDARD PLAN ES-8B  
DATED MAY 31, 2018 - PAGE 533 OF THE STANDARD PLANS BOOK DATED 2018.

**REVISED STANDARD PLAN RSP ES-8B**

**Figure 2A-2 (CA). Examples of Heights and Lateral Locations of Sign Installations**

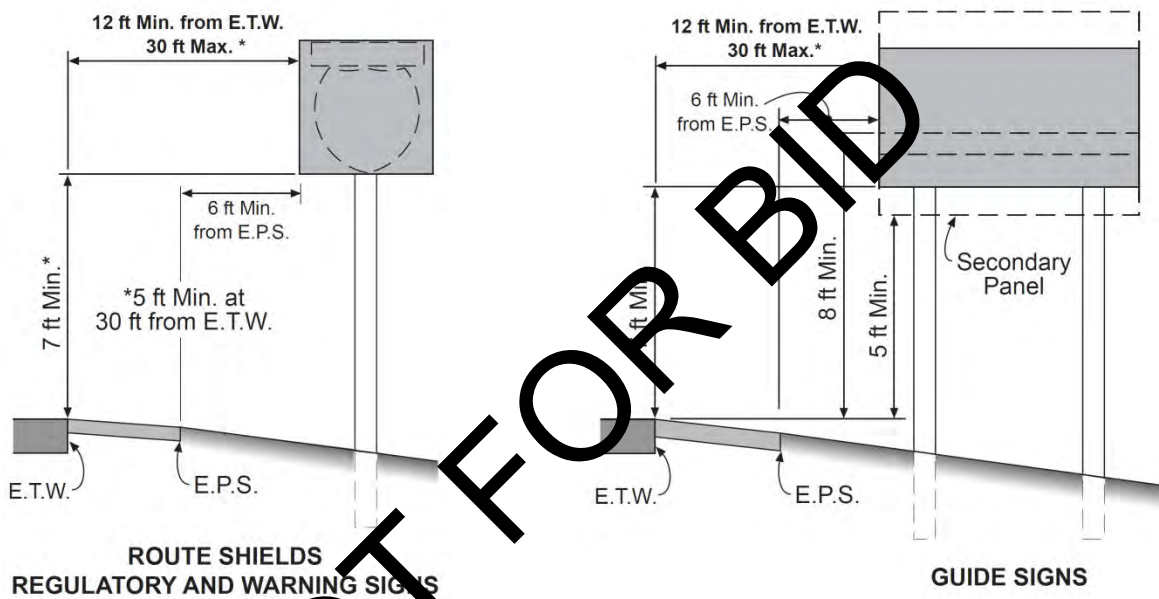
**NOTES:**

These sign positions are typical and should be considered a standard. When physical conditions require deviation from these typicals, they should be documented. When clear roadside recovery areas are provided, signs shall be placed as far from the traveled way as possible, up to 30 ft. When possible, they should be placed in protected locations.

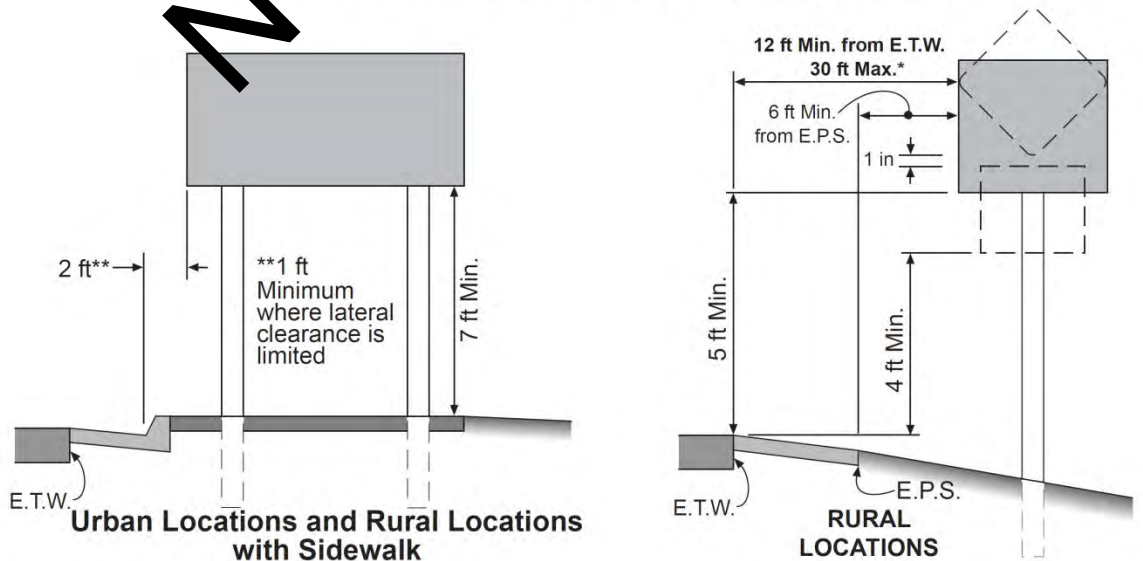
Signs in medians shall be placed at midpoint of median, and should not be closer than 6 ft from the edge of a paved shoulder, or if none, 12 ft from the edge of the traveled way. When appropriate, signs for opposing directions shall be placed back to back.

E.T.W. = Edge of Traveled Way  
 E.P.S. = Edge of Paved Shoulder

**FREEWAY AND EXPRESSWAY LOCATIONS**

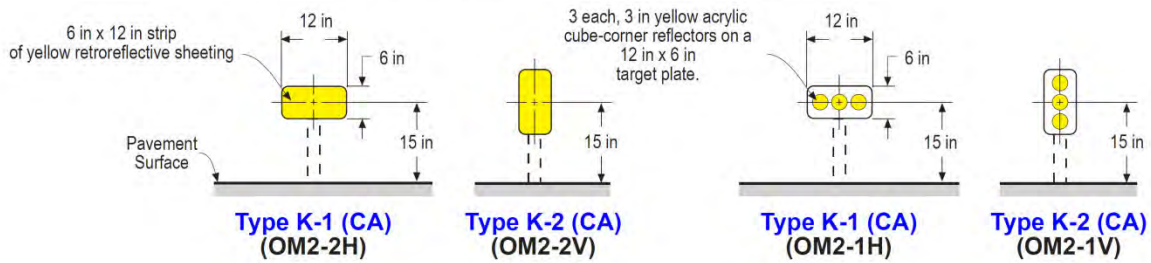


**CONVENTIONAL HIGHWAYS AND INTERCHANGE AREAS**

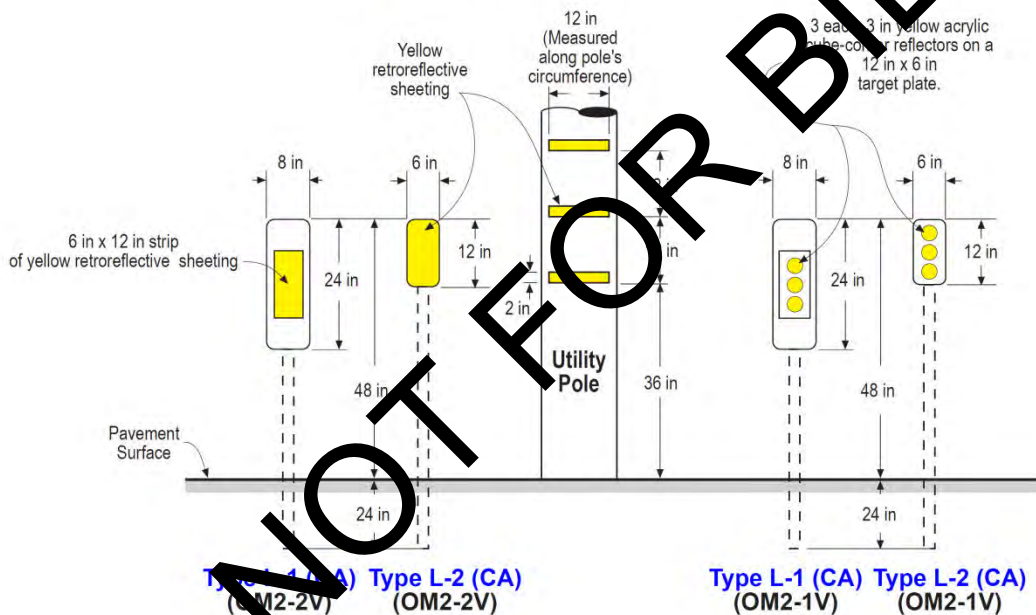


**Figure 2C-13 (CA). California Object Markers (Sheet 1 of 2)**

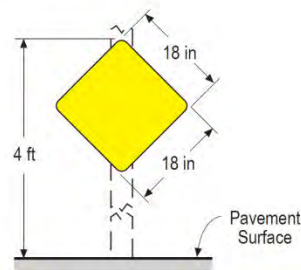
**Type K (CA) Object Marker (Type 2)  
 (obstructions adjacent to the roadway)**



**Type L (CA) Object Marker (Type 2)  
 (obstructions adjacent to the roadway)**



**Type N (CA) Object Marker (Type 1 or Type 4)  
 (obstructions within the roadway or end of roadway)**



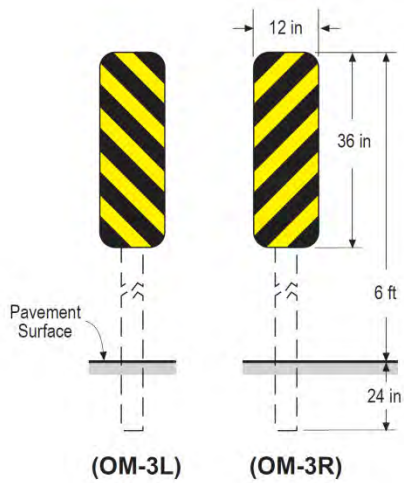
**Type N-1 (CA) (OM1-3), Type N-2 (CA) (OM4-3)**

NOT TO SCALE

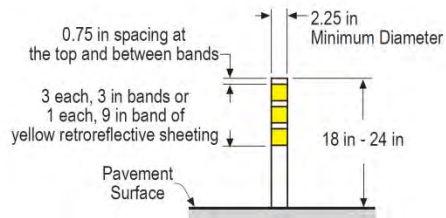


**Figure 2C-13 (CA). California Object Markers (Sheet 2 of 2)**

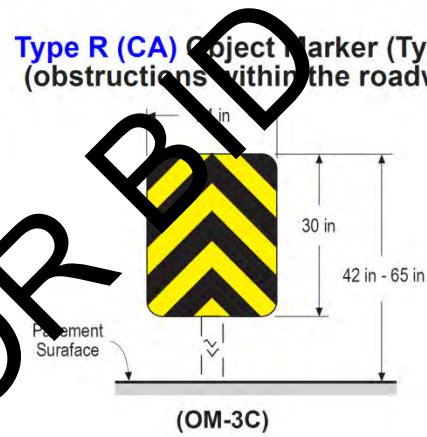
**Type P (CA) Object Marker (Type 3)**  
(obstructions adjacent to the roadway)



**Type Q (CA) Object Marker (Type 1)**  
(obstructions within the roadway)



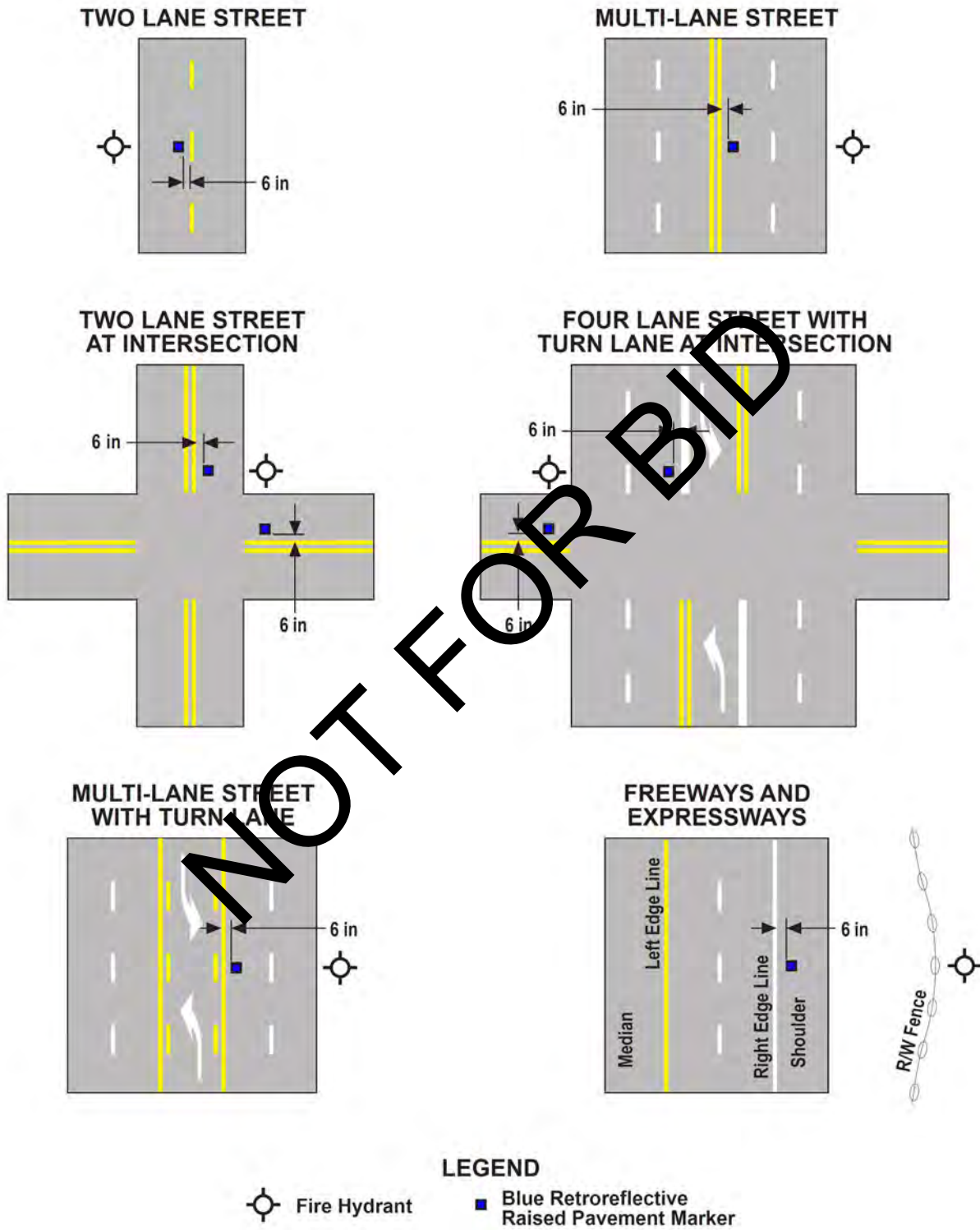
**Type R (CA) Object Marker (Type 1)**  
(obstructions within the roadway)



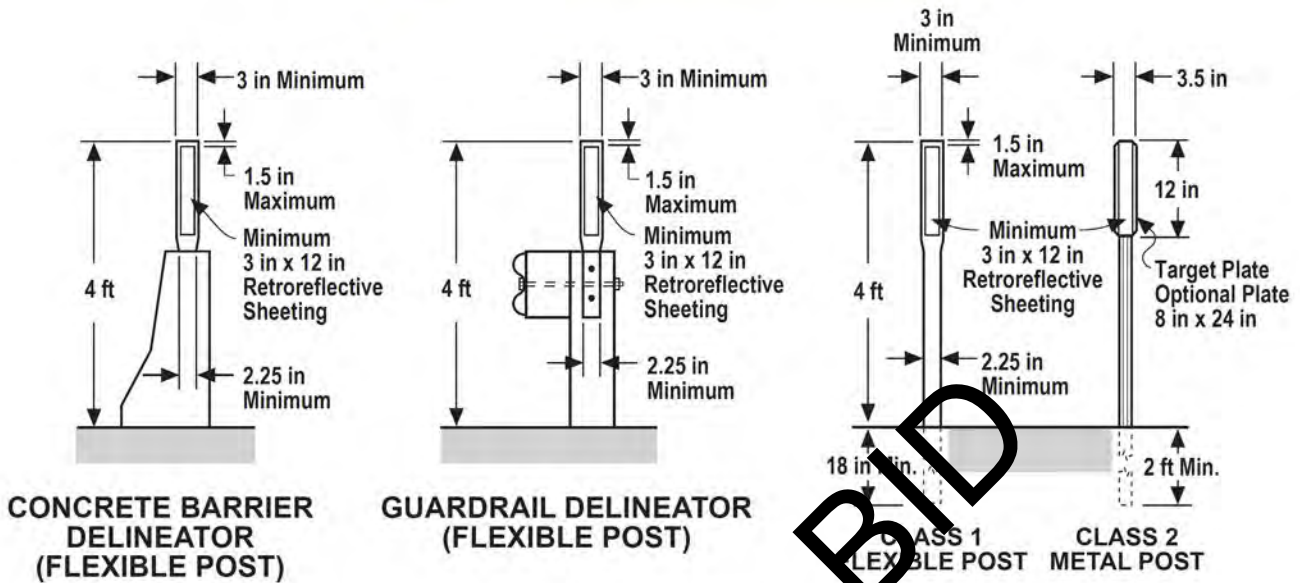
NOT TO SCALE

NOT FOR BIDD

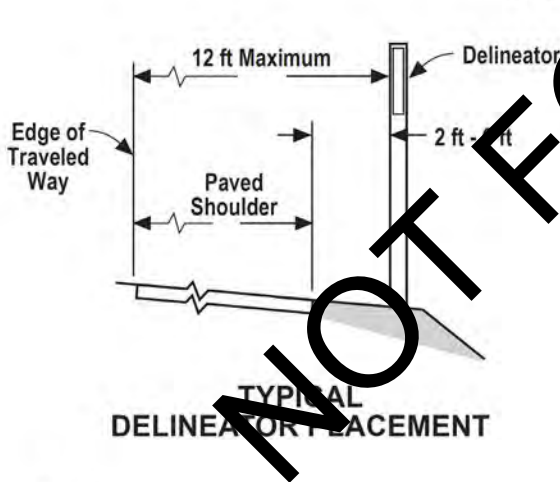
**Figure 3B-102 (CA). Examples of Fire Hydrant Location Pavement Markers**



**Figure 3F-101 (CA). Examples of Delineators**



NOT TO SCALE



**TYPES OF DELINEATORS**

TYPE	RETROREFLECTOR COLOR	
	FRONT	BACK*
E	WHITE	WHITE
F	WHITE	NONE
G	YELLOW	NONE
J	RED	NONE

\*Back Retroreflector:  
 Class 1 Delineator - 3 in ± square of retroreflective sheeting.  
 Class 2 Delineator - 3 in ± acrylic cube-corner retroreflective element.

**Notes:**

1. Class 1 (Flexible Post) Delineators are standard on State highways, except for certain locations, e.g., snow or protected areas behind guardrail, etc. The color of the post is white.
2. Class 1 (Flexible Post) Delineators used in construction or maintenance zones shall be orange with white retroreflective sheeting. However, if the delineators are to remain in place as a permanent roadway feature after the construction or maintenance period, the color of the post shall be white with the appropriate color of retroreflective sheeting as specified in Section 3F.03.
3. The Type of Retroreflective Element and Class of Post is designated as E-1, F-2, etc.

Support:

14 Since channelizers require closer spacing, their post size requirements differ from those of delineators.

15 There are two basic types of channelizers: one attaches to the pavement and the other attaches to an anchoring device imbedded in the pavement. Both the base and anchor systems are designed to permit replacement of the channelizer post. See Figure 3H-101(CA).

Guidance:

16 Channelizers should be placed a minimum of 2 feet from the traffic line, away from traffic, to allow for future maintenance of the line.

Option:

17 Space limitations may dictate exceptions to this criterion. At certain locations, placement directly on the traffic line may be required.

Support:

18 Spacing of the channelizers depends on the type of facility where they are to be used, the speed and volume of traffic, and the alignment to be channelized. Spacing which results in a visual fence/barrier effect is a key factor in channelizer installation.

Guidance:

19 The maximum post spacing should be 100 feet on carpool lanes where channelizers are used primarily to delineate the separation between the carpool lane and the main facility.

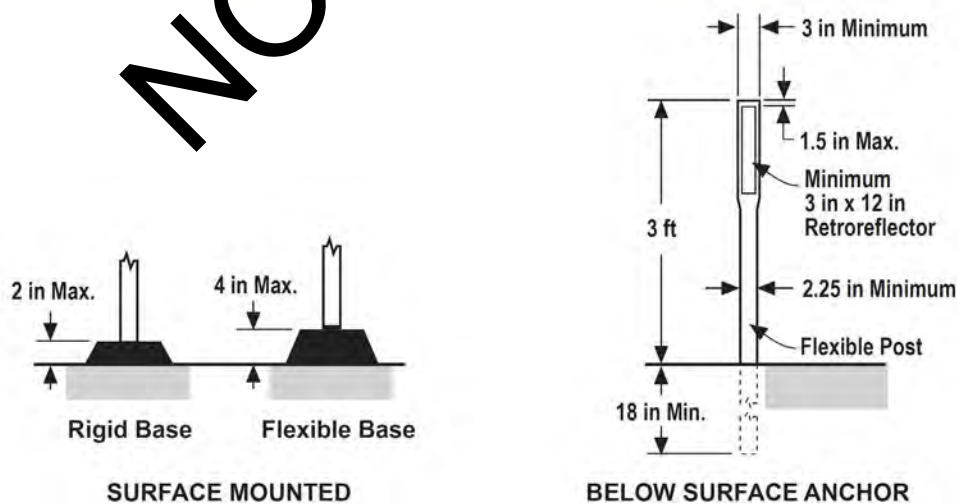
20 In locations where a relatively high number of violations occur, the post spacing should be 25 feet.

Option:

21 Where barrier violations are relatively minimal, a post spacing of 50 feet may be adequate. However, spacing in excess of 50 feet is of negligible value as a deterrent to intentional barrier violations.

22 Post spacing closer than 25 feet may be considered on lower speed roads, urban streets and at specific locations such as traffic islands.

Figure 3H-101 (CA). Example of Channelizers



NOT TO SCALE

### Notes for Figure 6H-28—Typical Application 28 Sidewalk Detour or Diversion

**Standard:**

- 1. When crosswalks or other pedestrian facilities are closed or relocated, temporary facilities shall be detectable and shall include accessibility features consistent with the features present in the existing pedestrian facility.**

*Guidance:*

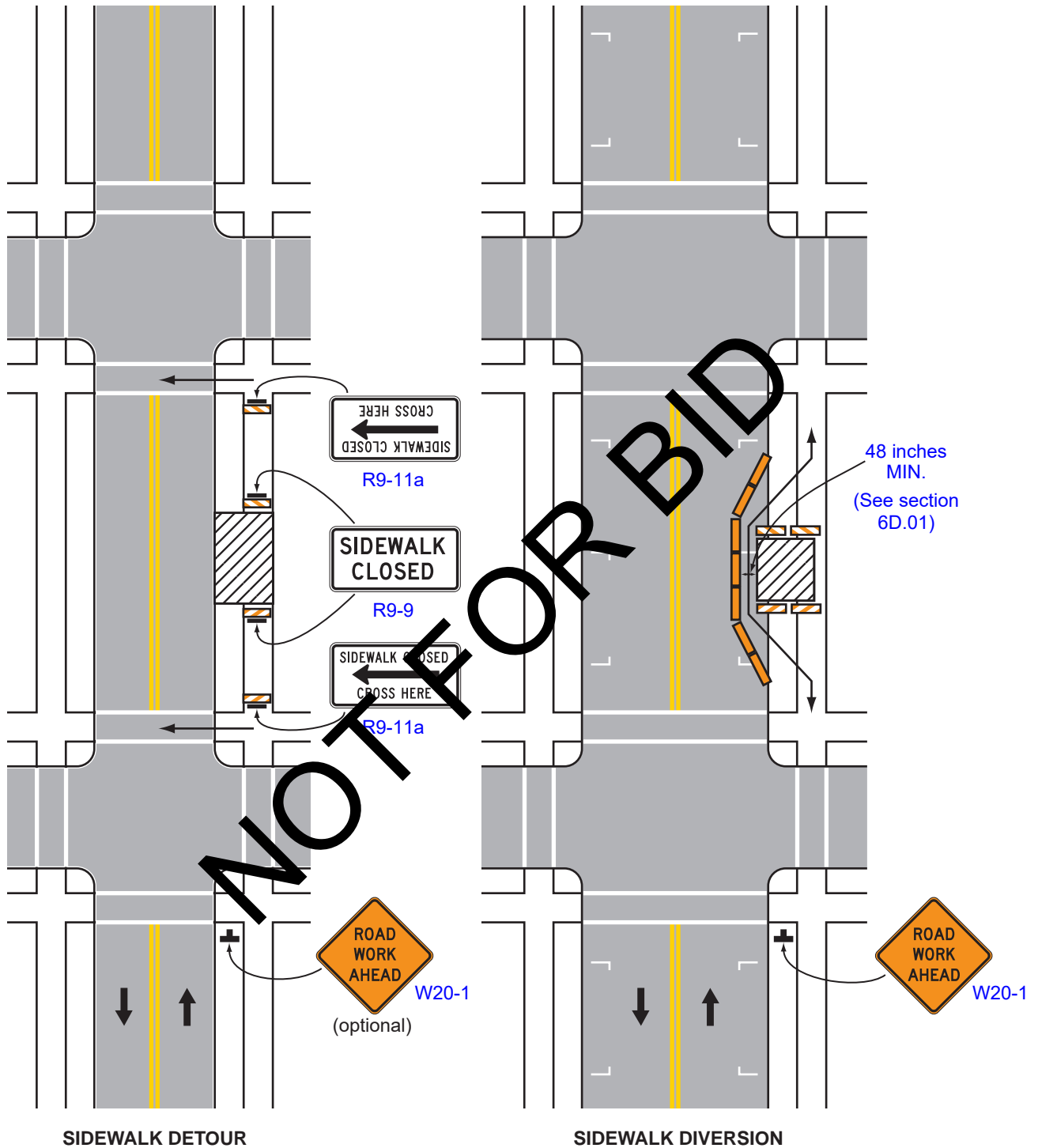
- 2. Where high speeds are anticipated, a temporary traffic barrier and, if necessary, a crash cushion should be used to separate the temporary sidewalks from vehicular traffic.*
- 3. Audible information devices should be considered where midblock closings and changed crosswalk areas cause inadequate communication to be provided to pedestrians who have visual disabilities.*

*Option:*

- 4. Street lighting may be considered.*
- 5. Only the TTC devices related to pedestrians are shown. Other devices, such as lane closure signing or ROAD NARROWS signs, may be used to control vehicular traffic.*
- 6. For nighttime closures, Type A Flashing warning lights may be used on barricades that support signs and close sidewalks.*
- 7. Type C Steady-Burn or Type D 360-degree Steady-Burn warning lights may be used on channelizing devices separating the temporary sidewalks from vehicular traffic flow.*
- 8. Signs, such as KEEP RIGHT (LEFT), may be placed along a temporary sidewalk to guide or direct pedestrians.*

NOT FOR BID

Figure 6H-28. Sidewalk Detour or Diversion (TA-28)



Typical Application 28

Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.



### Notes for Figure 6H-29—Typical Application 29 Crosswalk Closures and Pedestrian Detours

**Standard:**

- 1. When crosswalks or other pedestrian facilities are closed or relocated, temporary facilities shall be detectable and shall include accessibility features consistent with the features present in the existing pedestrian facility.**
- 2. Curb parking shall be prohibited for at least 50 feet in advance of the midblock crosswalk.**

*Guidance:*

- 2. Parking should be prohibited in advance of mid-block crosswalks. Mid-block crosswalks should be avoided, when possible. See Section 3B.18.*
- 3. Audible information devices should be considered where midblock closings and changed crosswalk areas cause inadequate communication to be provided to pedestrians who have visual disabilities.*
- 4. Pedestrian traffic signal displays controlling closed crosswalks should be covered or deactivated.*

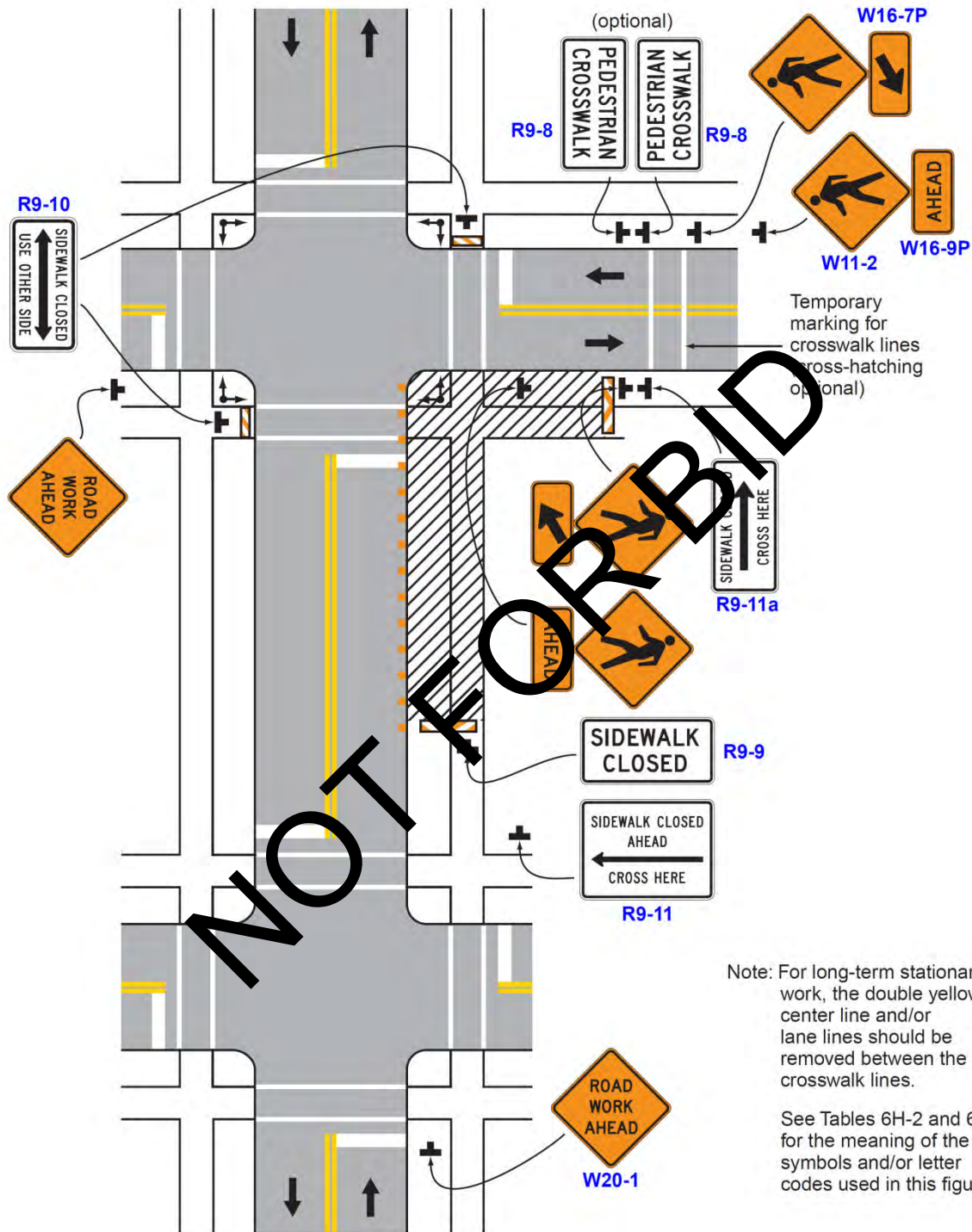
*Option:*

- 5. Street lighting may be considered.*
- 6. Only the TTC devices related to pedestrians are shown. Other devices, such as lane closure signing or ROAD NARROWS signs, may be used to control vehicular traffic.*
- 7. For nighttime closures, Type A Flashing warning lights may be used on barricades supporting signs and closing sidewalks.*
- 8. Type C Steady-Burn or Type D 360-degree Steady-Burn warning lights may be used on channelizing devices separating the work space from vehicular traffic.*
- 9. In order to maintain the systematic use of the fluorescent yellow-green background for pedestrian, bicycle, and school warning signs in a jurisdiction, the fluorescent yellow-green background for pedestrian, bicycle, and school warning signs may be used in TTC zones.*

NOT FOR BID



**Figure 6H-29. Crosswalk Closures and Pedestrian Detours (TA-29)**



Note: For long-term stationary work, the double yellow center line and/or lane lines should be removed between the crosswalk lines.

See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

**Typical Application 29**

## CHAPTER 6D. PEDESTRIAN AND WORKER SAFETY

### Section 6D.01 Pedestrian Considerations

#### Support:

01 A wide range of pedestrians might be affected by TTC zones, including the young, elderly, and people with disabilities such as hearing, visual, or mobility. These pedestrians need a clearly delineated and usable travel path. Considerations for pedestrians with disabilities are addressed in Section 6D.02.

#### Standard:

02 **The various TTC provisions for pedestrian and worker safety set forth in Part 6 shall be applied by knowledgeable (for example, trained and/or certified) persons after appropriate evaluation and engineering judgment.**

03 **Advance notification of sidewalk closures shall be provided by the maintaining agency.**

04 **If the TTC zone affects the movement of pedestrians, adequate pedestrian access and walkways shall be provided. If the TTC zone affects an accessible and detectable pedestrian facility, the accessibility and detectability shall be maintained along the alternate pedestrian route.**

#### Option:

05 If establishing or maintaining an alternate pedestrian route is not feasible during the project, an alternate means of providing for pedestrians may be used, such as adding free bus service around the project or assigning someone the responsibility to assist pedestrians with disabilities through the project limits.

#### Support:

06 It must be recognized that pedestrians are reluctant to retrace their steps to a prior intersection for a crossing or to add distance or out-of-the-way travel to a destination.

#### Guidance:

07 *The following three items should be considered when planning for pedestrians in TTC zones:*

A. *Pedestrians should not be led into conflicts with vehicles, equipment, and operations.*

B. *Pedestrians should not be led into conflicts with vehicles moving through or around the worksite.*

C. *Pedestrians should be provided with a convenient and accessible path that replicates as nearly as practical the most desirable characteristics of the existing sidewalk(s) or footpath(s).*

08 *A pedestrian route should not be shared and/or moved for non-construction activities such as parking for vehicles and equipment.*

09 *Consideration should be made to separate pedestrian movements from both worksite activity and vehicular traffic. Unless an acceptable route that does not involve crossing the roadway can be provided, pedestrians should be appropriately directed with advance signing that encourages them to cross to the opposite side of the roadway. In urban and suburban areas with high vehicular traffic volumes, these signs should be placed at intersections (rather than midblock locations) so that pedestrians are not confronted with midblock worksites that will induce them to attempt skirting the worksite or making a midblock crossing.*

#### Support:

10 Figures 6H-28 and 6H-29 show typical TTC device usage and techniques for pedestrian movement through work zones.

#### Guidance:

11 *To accommodate the needs of pedestrians, including those with disabilities, the following considerations should be addressed when temporary pedestrian pathways in TTC zones are designed or modified:*

A. *Provisions for continuity of accessible paths for pedestrians should be incorporated into the TTC plan.*

B. *Access to transit stops should be maintained.*

C. *A smooth, continuous hard surface should be provided throughout the entire length of the temporary pedestrian facility. There should be no curbs or abrupt changes in grade or terrain that could cause tripping or be a barrier to wheelchair use. The geometry and alignment of the facility should meet the applicable requirements of the "Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities (ADAAG)" (see Section 1A.11).*

D. *The width of the existing pedestrian facility should be provided for the temporary facility if practical. Traffic control devices and other construction materials and features should not intrude into the usable width of the*

*sidewalk, temporary pathway, or other pedestrian facility. When it is not possible to maintain a minimum width of 60 inches throughout the entire length of the pedestrian pathway, a 60 x 60-inch passing space should be provided at least every 200 feet to allow individuals in wheelchairs to pass.*

*E. Blocked routes, alternate crossings, and sign and signal information should be communicated to pedestrians with visual disabilities by providing devices such as audible information devices, accessible pedestrian signals, or barriers and channelizing devices that are detectable to the pedestrians traveling with the aid of a long cane or who have low vision. Where pedestrian traffic is detoured to a TTC signal, engineering judgment should be used to determine if pedestrian signals or accessible pedestrian signals should be considered for crossings along an alternate route.*

*F. When channelization is used to delineate a pedestrian pathway, a continuous detectable edging should be provided throughout the length of the facility such that pedestrians using a long cane can follow it. These detectable edgings should comply with the provisions of Section 6F.74.*

*G. Signs and other devices mounted lower than 7 feet above the temporary pedestrian pathway should not project more than 4 inches into accessible pedestrian facilities.*

**Option:**

*12 Whenever it is feasible, closing off the worksite from pedestrian intrusion may be preferable to channelizing pedestrian traffic along the site with TTC devices.*

**Guidance:**

*13 Fencing should not create sight distance restrictions for road users. Fences should not be constructed of materials that would be hazardous if impacted by vehicles. Wooden railing fencing, and similar systems placed immediately adjacent to motor vehicle traffic should not be used as substitutes for crashworthy temporary traffic barriers.*

*14 Ballast for TTC devices should be kept to the minimum amount needed and should be mounted low to prevent penetration of the vehicle windshield.*

*15 Movement by work vehicles and equipment across designated pedestrian paths should be minimized and, when necessary, should be controlled by flaggers or TTC. Staging or stopping of work vehicles or equipment along the side of pedestrian paths should be avoided, since it encourages movement of workers, equipment, and materials across the pedestrian path.*

*16 Access to the work space by workers and equipment across pedestrian walkways should be minimized because the access often creates unacceptable changes in grade, and rough or muddy terrain, and pedestrians will tend to avoid these areas by attempting non-intersection crossings where no curb ramps are available.*

**Option:**

*17 A canopied walkway may be used to protect pedestrians from falling debris, and to provide a covered passage for pedestrians.*

**Guidance:**

*18 Covered walkways should be durably constructed and adequately lighted for nighttime use.*

*19 When pedestrian and vehicle paths are rerouted to a closer proximity to each other, consideration should be given to separating them by a temporary traffic barrier.*

*20 If a temporary traffic barrier is used to shield pedestrians, it should be designed to accommodate site conditions.*

**Support:**

*21 Depending on the possible vehicular speed and angle of impact, temporary traffic barriers might deflect upon impact by an errant vehicle. Guidance for locating and designing temporary traffic barriers can be found in Chapter 9 of AASHTO's "Roadside Design Guide" (see Section 1A.11).*

**Standard:**

**22 Short intermittent segments of temporary traffic barrier shall not be used because they nullify the containment and redirective capabilities of the temporary traffic barrier, increase the potential for serious injury both to vehicle occupants and pedestrians, and encourage the presence of blunt, leading ends. All upstream leading ends that are present shall be appropriately flared or protected with properly installed and maintained crashworthy cushions. Adjacent temporary traffic barrier segments shall be properly connected in order to provide the overall strength required for the temporary traffic barrier to perform properly.**

**23 Normal vertical curbing shall not be used as a substitute for temporary traffic barriers when temporary traffic barriers are needed.**

**Option:**

24 Temporary traffic barriers or longitudinal channelizing devices may be used to discourage pedestrians from unauthorized movements into the work space. They may also be used to inhibit conflicts with vehicular traffic by minimizing the possibility of midblock crossings.

**Support:**

25 A major concern for pedestrians is urban and suburban building construction encroaching onto the contiguous sidewalks, which forces pedestrians off the curb into direct conflict with moving vehicles.

**Guidance:**

26 *If a significant potential exists for vehicle incursions into the pedestrian path, pedestrians should be rerouted or temporary traffic barriers should be installed.*

**Support:**

27 TTC devices, jersey barriers, and wood or chain link fencing with a continuous detectable edging can satisfactorily delineate a pedestrian path.

**Guidance:**

28 *Tape, rope, or plastic chain strung between devices are not detectable, do not comply with the design standards in the "Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities (ADAAG)" (see Section 1A.11), and should not be used as a control for pedestrian movements.*

29 *In general, pedestrian routes should be preserved in urban and commercial/suburban areas. Alternative routing should be discouraged.*

30 *The highway agency in charge of the TTC zone should regularly inspect the activity area so that effective pedestrian TTC is maintained.*

**Support:**

31 *Other laws and requirements are unique to California and need to be followed when providing pedestrian access through or around TTC zones.*

32 *Additional information on this topic can be found in publication titled "Pedestrian Considerations for California Temporary Traffic Control Zones on Caltrans' following web link: <http://dot.ca.gov/hq/traffops/engineering/control-devices/pdf/PedBrochure.pdf>*

## **Section 6D.02 Accessibility Considerations**

**Support:**

01 *Additional information on the design and construction of accessible temporary facilities is found in publications listed in Section 1A.11 (see Publications 12, 38, 39, and 42).*

**Guidance:**

02 *The extent of pedestrian needs should be determined through engineering judgment or by the individual responsible for each TTC zone situation. Adequate provisions should be made for pedestrians with disabilities.*

**Standard:**

03 **When existing pedestrian facilities are disrupted, closed, or relocated in a TTC zone, the temporary facilities shall be detectable and include accessibility features consistent with the features present in the existing pedestrian facility. Where pedestrians with visual disabilities normally use the closed sidewalk, a barrier that is detectable by a person with a visual disability traveling with the aid of a long cane shall be placed across the full width of the closed sidewalk.**

**Support:**

04 *Maintaining a detectable, channelized pedestrian route is much more useful to pedestrians who have visual disabilities than closing a walkway and providing audible directions to an alternate route involving additional crossings and a return to the original route. Braille is not useful in conveying such information because it is difficult to find. Audible instructions might be provided, but the extra distance and additional street crossings might add complexity to a trip.*

**Guidance:**

05 *Because printed signs and surface delineation are not usable by pedestrians with visual disabilities, blocked routes, alternate crossings, and sign and signal information should be communicated to pedestrians with visual*

*disabilities by providing audible information devices, accessible pedestrian signals, and barriers and channelizing devices that are detectable to pedestrians traveling with the aid of a long cane or who have low vision.*

Support:

<sup>06</sup> The most desirable way to provide information to pedestrians with visual disabilities that is equivalent to visual signing for notification of sidewalk closures is a speech message provided by an audible information device. Devices that provide speech messages in response to passive pedestrian actuation are the most desirable. Other devices that continuously emit a message, or that emit a message in response to use of a pushbutton, are also acceptable. Signing information can also be transmitted to personal receivers, but currently such receivers are not likely to be carried or used by pedestrians with visual disabilities in TTC zones. Audible information devices might not be needed if detectable channelizing devices make an alternate route of travel evident to pedestrians with visual disabilities.

Guidance:

<sup>07</sup> *If a pushbutton is used to provide equivalent TTC information to pedestrians with visual disabilities, the pushbutton should be equipped with a locator tone to notify pedestrians with visual disabilities that a special accommodation is available, and to help them locate the pushbutton.*

### **Section 6D.03 Worker Safety Considerations**

Support:

<sup>01</sup> Equally as important as the safety of road users traveling through the TTC zone is the safety of workers. TTC zones present temporary and constantly changing conditions that are unexpected by the road user. This creates an even higher degree of vulnerability for workers on or near the roadway.

<sup>02</sup> Maintaining TTC zones with road user flow inhibited as little as possible, and using TTC devices that get the road user's attention and provide positive direction are of particular importance. Likewise, equipment and vehicles moving within the activity area create a risk to workers on foot. When possible, the separation of moving equipment and construction vehicles from workers on foot provides the operator of these vehicles with a greater separation clearance and improved sight lines to minimize exposure to the hazards of moving vehicles and equipment.

Guidance:

<sup>03</sup> *The following are the key elements of worker safety and TTC management that should be considered to improve worker safety:*

- A. *Training*—all workers should be trained on how to work next to motor vehicle traffic in a way that minimizes their vulnerability. Workers having specific TTC responsibilities should be trained in TTC techniques, device usage, and placement.
- B. *Temporary Traffic Barriers*—temporary traffic barriers should be placed along the work space depending on factors such as lateral clearance of workers from adjacent traffic, speed of traffic, duration and type of operations, time of day, and volume of traffic.
- C. *Speed Reduction*—reducing the speed of vehicular traffic, mainly through regulatory speed zoning, funneling, lane reduction, or the use of uniformed law enforcement officers or flaggers, should be considered. *The use of regulatory speed zone signing tends to be more effective when law enforcement is present. Refer to Section 6C.01.*
- D. *Activity Area*—planning the internal work activity area to minimize backing-up maneuvers of construction vehicles should be considered to minimize the exposure to risk.
- E. *Worker Safety Planning*—a trained person designated by the employer should conduct a basic hazard assessment for the worksite and job classifications required in the activity area. This safety professional should determine whether engineering, administrative, or personal protection measures should be implemented. This plan should be in accordance with the Occupational Safety and Health Act of 1970, as amended, “General Duty Clause” Section 5(a)(1) - Public Law 91-596, 84 Stat. 1590, December 29, 1970, as amended, and with the requirement to assess worker risk exposures for each job site and job classification, as per 29 CFR 1926.20 (b)(2) of “Occupational Safety and Health Administration Regulations, General Safety and Health Provisions” (see Section 1A.11).

BIDDER: \_\_\_\_\_

**PROPOSAL**

**TO THE BOARD OF SUPERVISORS  
OF THE SAN BERNARDINO COUNTY  
STATE OF CALIFORNIA**

For Construction On

**BLOOMINGTON AVENUE  
Cedar Avenue to 0.11 miles northeast of Larch Avenue**

**LENGTH: 0.42 miles  
WORK ORDER: W.O. No. TX1795  
AREA: Bloomington  
ROAD NO.: 170550-010**

**NOTICE: BIDDERS MUST OBTAIN BIDDING DOCUMENTS AND PREPARE THEIR BIDS ON FORMS OBTAINED DIRECTLY FROM THE SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS OR FROM THE SAN BERNARDINO COUNTY ELECTRONIC PROCUREMENT NETWORK (ePRO) <https://epro.sbcounty.gov/epro/>. BIDS PREPARED ON FORMS OBTAINED FROM OTHER SOURCES WILL NOT BE ACCEPTED. BIDDERS MUST BE LISTED ON THE OFFICIAL PLAN HOLDERS LIST AT THE TIME BIDS ARE PUBLICLY OPENED. BIDS RECEIVED FROM BIDDERS WHO ARE NOT LISTED ON THE OFFICIAL PLAN HOLDERS LIST WILL NOT BE ACCEPTED.**

The undersigned, as bidder, declares that the only persons or parties interested in this proposal as principals are those named herein; that this proposal is made without collusion with any other person, firm, or corporation; that bidder has carefully examined the location of the proposed work, the proposed form of contract, and the plans and specifications therein referred to; and bidder proposes and agrees if this proposal is accepted, that bidder will contract with the San Bernardino County, in the form of the copy of the contract to provide all necessary machinery, tools, apparatus and other means of construction, and to do all work and furnish all the materials specified in the contract, in the manner and in the time therein prescribed, and according to the requirements of the Engineer as therein set forth, and that bidder will take in full payment therefore the following prices, to wit:

# PROPOSAL CHECKLIST AND ASSEMBLY SEQUENCE

## IMPORTANT

### Failure to Properly Complete Bid Package May Result in Rejection of Bid

1

Proposal – Assemble all pages in same numbering sequence as original.

- Replacement Bid Sheets from Addendum are substituted in sequence, if applicable.
- Unit Prices are entered for all bid items (or Alternate bid items).
- Corrections or changes to the bid document are initialed.
- Subcontractors, if any, are listed
- Public Contract Code Section 10285.1 Statement is executed
- Public Contract Code Section 10162 Questionnaire is completed
- Noncollusion Declaration is executed and submitted with bid.
- Bidder Information is completed and correct.
- Proposal is complete and signed by authorized company representative.

2

Addendums, if any, are acknowledged. (Normally sent by facsimile and mail)

- "Bidder's Certification" (Just the Certification page) are executed and attached.

3

Bidder's Security.

- 10% of Bid Amount in Cash, Cashier's Check, Certified Check or Bidder's Bond.
- If Bidder's Bond, surety signature is notarized.
- If Bidder's Bond, surety power of attorney is attached.

4

ePRO.

- Registered as a Vendor in the ePro System prior to date and time to receive bid.
- If submitting bid through ePro, original Bid Security submitted in a separate sealed envelope labeled "Bid Bond" with the title of the work and name of bidder marked on outside of envelope to the Department of Public Works, Front Reception. Must be received on or before the time set for the opening of bids.
- If submitting a bid through ePro, Scan and attach to your quote the Fully Executed Proposal Documents (pages P-1 thru P-14).
- If submitting a bid through ePro, Scan and attach to your quote the Fully Executed Certification Page for ALL Addendums.

5

REGISTERED WITH THE DEPARTMENT OF INDUSTRIAL RELATIONS (DIR) (SENATE BILL 854).

DIR Registration Number identified for Bidder and all subcontractors.



Bidder: \_\_\_\_\_

Project: **Bloomington Avenue**

W.O.#: **TX1795**

Limits: **Cedar Ave to 0.11 Miles NE of Larch Avenue**

Item No.	Approx. Quant.	Meas. Unit	Item Description	Unit Price	Total
1	125,000	FA	Supplemental Work (Unforeseen Differing Site Conditions and Utility Conflicts)	\$ 1.00	\$ 125,000
2	1	L.S.	Prepare Final Storm Water Pollution Prevention (SWPPP) Plan	\$	\$
3	1	L.S.	Water Pollution Control Work	\$	\$
4	1	L.S.	Mobilization	\$	\$
5	1	L.S.	Traffic Control System	\$	\$
6	7	EA.	Portable Changeable Message Sign	\$	\$
7	15	L.F.	Remove Chain Link Fence	\$	\$
8	170	L.F.	Remove Traffic Stripe	\$	\$
9	44	S.F.	Remove Pavement Marking	\$	\$
10	2	EA.	Remove Roadside Sign	\$	\$
11	875	L.F.	Remove Culvert	\$	\$
12	1,950	S.Y.	Remove Asphalt Concrete Surfacing	\$	\$
13	30	L.F.	Remove Asphalt Concrete Dike	\$	\$
14	15,000	S.Y.	Pulverize Asphalt Concrete Surfacing	\$	\$
15	3,800	CY	Export Pulverize/Native Material	\$	\$
16	2	EA.	Relocate and Reset Roadside Sign	\$	\$
17	2	EA.	Adjust Manhole Frame and Cover to Grade	\$	\$
18	300	S.Y.	Cold Plane (0.80') Asphalt Concrete Pavement	\$	\$
19	270	L.F.	Remove Concrete (Curb, Curb and Gutter)	\$	\$
20	250	S.Y.	Remove Concrete (Cross Gutter, Sidewalk, and Ramp)	\$	\$
21	1	L.S.	Clearing and Grubbing	\$	\$
22	1	EA.	Remove Tree and Stump	\$	\$
23	1	L.S.	Develop Water Supply	\$	\$
24	5,100	C.Y.	Roadway Excavation	\$	\$
25	1	L.S.	Finishing Roadway	\$	\$
26	15,000	S.Y.	2% Cement Treated Base (0.45' Thk)	\$	\$
27	7,300	TON	Asphalt Concrete (Type A 3/4")	\$	\$
28	2,450	TON	Rubberized Asphalt Concrete (Type G 3/4" Maximum Grading)	\$	\$
29	400	S.Y.	Place Asphalt Concrete Driveways	\$	\$
30	30	C.Y.	Minor Structures (Catch Basin, Storm Drain Cleanout, Concrete Collar, and Pipe to Pipe Connection)	\$	\$

NOT FOR BID

Bidder: \_\_\_\_\_

Project: **Bloomington Avenue**

W.O.#: **TX1795**

Limits: **Cedar Ave to 0.11 Miles NE of Larch Avenue**

Item No.	Approx. Quant.	Meas. Unit	Item Description	Unit Price	Total
31	1	C.Y.	Grouted Rock Treatment	\$	\$
32	15	EA.	Roadside Sign (Metal Post)	\$	\$
33	180	L.F.	18" Reinforced Concrete Pipe (D-2000)	\$	\$
34	970	L.F.	24" Reinforced Concrete Pipe (D-1500)	\$	\$
35	2	EA.	Adjust Drainage Inlet Frame and Grate	\$	\$
36	200	S.Y.	ADA Ramp Detectable Warning Surface	\$	\$
37	2	C.Y.	Minor Concrete (Slough Walls)	\$	\$
38	3	C.Y.	Minor Concrete (Sidewalk with Welded Wire Fabric))	\$	\$
39	35	C.Y.	Class 4 Concrete (Pipe Cover)	\$	\$
40	70	C.Y.	Minor Concrete (Sidewalk and Driveway)	\$	\$
41	25	C.Y.	Minor Concrete (Pedestrian Ramps)	\$	\$
42	100	C.Y.	Minor Concrete (Cross Gutter, Linear Depression, Curb, Curb and Gutter)	\$	\$
43	15	L.F.	Chain Link Fence (Type CL-5)	\$	\$
44	5	EA.	Channelizer (Surface Mounted-Flexible Base)	\$	\$
45	4,330	L.F.	Paint 6" wide Traffic Stripes (2-Coat)	\$	\$
46	2,250	L.F.	Paint 8" wide Traffic Stripe (2-Coat)	\$	\$
47	2,600	L.F.	Paint Double 6" wide Yellow Stripe (2-Coat)	\$	\$
48	3,100	S.F.	Paint Pavement Marking (2-Coat)	\$	\$
49	320	EA.	Pavement Marker (Retroreflective - Type D and G)	\$	\$
50	2	EA.	Pavement Marker (Retroreflective - Blue)	\$	\$
51	1	L.S.	(S) Signal and Lighting	\$	\$
52	23	EA.	Inductive Loop Detector	\$	\$

NOT FOR BID

**PROJECT TOTAL: \$**

Bids are to be submitted for the entire work. The amount of the bid for comparison purposes will be the total of all items.

The bidder shall set forth for each unit basis item of work a unit price and a total for the item, and for each lump sum item a total for the item, all in clearly legible figures in the respective spaces provided for this purpose. In the case of unit basis items, the amount set forth under the "Total" column shall be the extension of the unit price bid on the basis of the estimated quantity for the item.

In case of discrepancy between the unit price and the total set forth for a unit basis item, the unit price shall prevail, however, if the amount set forth as a unit price is ambiguous, unintelligible or uncertain for any cause, or is omitted, then the amount set forth in the "Total" column for the item shall prevail and shall be divided by the estimated quantity for the item and the price thus obtained, rounded to the next lower penny, shall be the unit price.

If this proposal shall be accepted, the contract shall be signed by the successful bidder and returned **within 10 days**, and the contract bonds, copy of insurance policies, and Certificates of Insurance, with documents to verify any self-insurance coverage shall be provided **within 10 days**, not including Saturdays, Sundays and legal holidays, after the bidder has received the contract for execution. Should the undersigned fail to contract as aforesaid, the Board of Supervisors may, at its option, determine that the bidder has abandoned the contract, and, thereupon, this proposal and the acceptance thereof shall be null and void, and the forfeiture of such security accompanying this proposal shall operate and the same may be the property of the San Bernardino County.

NOT FOR BID

**NOTE: THIS FORM MUST BE COMPLETED, SIGNED AND RETURNED WITH THE PROPOSAL**

**BIDDER** \_\_\_\_\_

The bidder shall complete the following information as required by the Subletting and Subcontracting Fair Practices Act, Public Contract Code section 4100 et seq.

**Note:** Subcontractors must be licensed and registered with the DIR (with limited exceptions from this requirement for bid purposes only under Labor Code section 1771.1(a)) at the time of the bid opening.

**Information marked with \*\* is required.** (Make additional copies of this form if needed)

**SUBCONTRACTORS LIST**

Name: \*\* \_\_\_\_\_ Fed. ID: \_\_\_\_\_ Item(s) #: \*\* \_\_\_\_\_

Business Location: \*\* \_\_\_\_\_ % (s): \_\_\_\_\_

Telephone: ( ) \_\_\_\_\_ Amount: \$ \_\_\_\_\_

License #: \*\* \_\_\_\_\_ Description of Work: \*\* \_\_\_\_\_

DIR Registration #: \*\* \_\_\_\_\_

Name: \*\* \_\_\_\_\_ Fed. ID: \_\_\_\_\_ Item(s) #: \*\* \_\_\_\_\_

Business Location: \*\* \_\_\_\_\_ % (s): \_\_\_\_\_

Telephone: ( ) \_\_\_\_\_ Amount: \$ \_\_\_\_\_

License #: \*\* \_\_\_\_\_ Description of Work: \*\* \_\_\_\_\_

DIR Registration #: \*\* \_\_\_\_\_

Name: \*\* \_\_\_\_\_ Fed. ID: \_\_\_\_\_ Item(s) #: \*\* \_\_\_\_\_

Business Location: \*\* \_\_\_\_\_ % (s): \_\_\_\_\_

Telephone: ( ) \_\_\_\_\_ Amount: \$ \_\_\_\_\_

License #: \*\* \_\_\_\_\_ Description of Work: \*\* \_\_\_\_\_

DIR Registration #: \*\* \_\_\_\_\_

Name: \*\* \_\_\_\_\_ Fed. ID: \_\_\_\_\_ Item(s) #: \*\* \_\_\_\_\_

Business Location: \*\* \_\_\_\_\_ % (s): \_\_\_\_\_

Telephone: ( ) \_\_\_\_\_ Amount: \$ \_\_\_\_\_

License #: \*\* \_\_\_\_\_ Description of Work: \*\* \_\_\_\_\_

DIR Registration #: \*\* \_\_\_\_\_

**NOT FOR BID**

**NOTE: THIS FORM MUST BE COMPLETED, SIGNED AND RETURNED WITH THE PROPOSAL**

**PUBLIC CONTRACT CODE SECTION 10232 STATEMENT**

In accordance with Public Contract Code section 10232, the Contractor hereby states, under penalty of perjury, that no more than one final unappealable finding of contempt of court by a federal court has been issued against the Contractor within the immediately preceding two year period because of the Contractor's failure to comply with an order of a federal court which orders the Contractor to comply with an order of the National Labor Relations Board.

**PUBLIC CONTRACT CODE SECTION 10285.1 STATEMENT**

In accordance with Public Contract Code section 10285.1, the bidder hereby declares under penalty of perjury that the bidder

has  Check One has not

been convicted within the preceding three years of any offenses referred to in that section, including any charge of fraud, bribery, collusion, conspiracy, or any other act in violation of any state or federal antitrust law in connection with the bidding upon, award of, or performance of, any public works contract, as defined in Public Contract Code section 1101, with any public entity, as defined in Public Contract Code section 1100, including the Regents of the University of California or the Trustees of the California State University. The term "bidder" is understood to include any partner, member, officer, director, responsible managing officer, or responsible managing employee thereof, as referred to in Section 10285.1.

Note: The bidder must place a check mark after "has" or "has not" in one of the blank spaces provided.

The above Statements are part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of these Statements.

Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

**NOTE: THIS FORM MUST BE COMPLETED, SIGNED AND RETURNED WITH THE PROPOSAL**

**PUBLIC CONTRACT CODE SECTION 10162 QUESTIONNAIRE**

In accordance with Public Contract Code section 10162, the Bidder shall complete, under penalty of perjury, the following questionnaire:

Has the bidder, any officer of the bidder, or any employee of the bidder who has a proprietary interest in the bidder, ever been disqualified, removed, or otherwise prevented from bidding on, or completing a federal, state, or local government project because of a violation of law or a safety regulation?

Check One

Yes

No

If the answer is yes, explain the circumstances in the following space.

Multiple horizontal lines for text entry, overlaid with a large diagonal watermark reading "NOT FOR BID".

NOTE: The above Questionnaire is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Questionnaire.  
Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

**PUBLIC CONTRACT CODE**  
**SECTIONS 9204, 20104, 20104.2, 20104.4, 20104.6, AND 20104.50**  
**RESOLUTION OF CONSTRUCTION CLAIMS AND PROMPT PAYMENT**

**9204**

(a) The Legislature finds and declares that it is in the best interests of the state and its citizens to ensure that all construction business performed on a public works project in the state that is complete and not in dispute is paid in full and in a timely manner.

(b) Notwithstanding any other law, including, but not limited to, Article 7.1 (commencing with Section 10240) of Chapter 1 of Part 2, Chapter 10 (commencing with Section 19100) of Part 2, and Article 1.5 (commencing with Section 20104) of Chapter 1 of Part 3, this section shall apply to any claim by a contractor in connection with a public works project.

(c) For purposes of this section:

(1) "Claim" means a separate demand by a contractor sent by registered mail or certified mail with return receipt requested, for one or more of the following:

(A) A time extension, including, without limitation, for relief from damages or penalties for delay assessed by a public entity under a contract for a public works project.

(B) Payment by the public entity of money or damages arising from work done by, or on behalf of, the contractor pursuant to the contract for a public works project and payment for which is not otherwise expressly provided or to which the claimant is not otherwise entitled.

(C) Payment of an amount that is disputed by the public entity.

(2) "Contractor" means any type of contractor within the meaning of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code who has entered into a direct contract with a public entity for a public works project.

(3) (A) "Public entity" means, without limitation, except as provided in subparagraph (B), a state agency, department, office, division, bureau, board, or commission, the California State University, the University of California, a city, including a charter city, county, including a charter county, city and county, including a charter city and county, district, special district, public authority, political subdivision, public corporation, or nonprofit transit corporation wholly owned by a public agency and formed to carry out the purposes of the public agency.

(B) "Public entity" shall not include the following:

(i) The Department of Water Resources as to any project under the jurisdiction of that department.

(ii) The Department of Transportation as to any project under the jurisdiction of that department.

(iii) The Department of Parks and Recreation as to any project under the jurisdiction of that department.



(iv) The Department of Corrections and Rehabilitation with respect to any project under its jurisdiction pursuant to Chapter 11 (commencing with Section 7000) of Title 7 of Part 3 of the Penal Code.

(v) The Military Department as to any project under the jurisdiction of that department.

(vi) The Department of General Services as to all other projects.

(vii) The High-Speed Rail Authority.

(4) "Public works project" means the erection, construction, alteration, repair, or improvement of any public structure, building, road, or other public improvement of any kind.

(5) "Subcontractor" means any type of contractor within the meaning of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code who either is in direct contract with a contractor or is a lower tier subcontractor.

(d) (1) (A) Upon receipt of a claim pursuant to this section, the public entity to which the claim applies shall conduct a reasonable review of the claim and, within a period not to exceed 45 days, shall provide the claimant a written statement identifying what portion of the claim is disputed and what portion is undisputed. Upon receipt of a claim, a public entity and a contractor may, by mutual agreement, extend the time period provided in this subdivision.

(B) The claimant shall furnish reasonable documentation to support the claim.

(C) If the public entity needs approval from its governing body to provide the claimant a written statement identifying the disputed portion and the undisputed portion of the claim, and the governing body does not meet within the 45 days or within the mutually agreed to extension of time following receipt of a claim sent by registered mail or certified mail, return receipt requested, the public entity shall have up to three days following the next duly publicly noticed meeting of the governing body after the 45-day period, or extension, expires to provide the claimant a written statement identifying the disputed portion and the undisputed portion.

(D) Any payment due on an undisputed portion of the claim shall be processed and made within 60 days after the public entity issues its written statement. If the public entity fails to issue a written statement, paragraph (3) shall apply.

(2) (A) If the claimant disputes the public entity's written response, or if the public entity fails to respond to a claim issued pursuant to this section within the time prescribed, the claimant may demand in writing an informal conference to meet and confer for settlement of the issues in dispute. Upon receipt of a demand in writing sent by registered mail or certified mail, return receipt requested, the public entity shall schedule a meet and confer conference within 30 days for settlement of the dispute.

(B) Within 10 business days following the conclusion of the meet and confer conference, if the claim or any portion of the claim remains in dispute, the public entity shall provide the claimant a written statement identifying the portion of the claim that remains in dispute and the portion that is undisputed. Any payment due on an undisputed portion of the claim shall be processed and made within 60 days after the public entity issues its written statement. Any disputed portion of the claim, as identified by the contractor in writing, shall be submitted to nonbinding mediation, with the public entity and the claimant sharing the associated costs equally. The

public entity and claimant shall mutually agree to a mediator within 10 business days after the disputed portion of the claim has been identified in writing. If the parties cannot agree upon a mediator, each party shall select a mediator and those mediators shall select a qualified neutral third party to mediate with regard to the disputed portion of the claim. Each party shall bear the fees and costs charged by its respective mediator in connection with the selection of the neutral mediator. If mediation is unsuccessful, the parts of the claim remaining in dispute shall be subject to applicable procedures outside this section.

(C) For purposes of this section, mediation includes any nonbinding process, including, but not limited to, neutral evaluation or a dispute review board, in which an independent third party or board assists the parties in dispute resolution through negotiation or by issuance of an evaluation. Any mediation utilized shall conform to the timeframes in this section.

(D) Unless otherwise agreed to by the public entity and the contractor in writing, the mediation conducted pursuant to this section shall excuse any further obligation under Section 20104.4 to mediate after litigation has been commenced.

(E) This section does not preclude a public entity from requiring arbitration of disputes under private arbitration or the Public Works Contract Arbitration Program, if mediation under this section does not resolve the parties' dispute.

(3) Failure by the public entity to respond to a claim from a contractor within the time periods described in this subdivision or to otherwise meet the time requirements of this section shall result in the claim being deemed rejected in its entirety. A claim that is denied by reason of the public entity's failure to have responded to a claim, or its failure to otherwise meet the time requirements of this section, shall not constitute an adverse finding with regard to the merits of the claim or the responsibility or qualifications of the claimant.

(4) Amounts not paid in a timely manner as required by this section shall bear interest at 7 percent per annum.

(5) If a subcontractor or a lower tier subcontractor lacks legal standing to assert a claim against a public entity because privity of contract does not exist, the contractor may present to the public entity a claim on behalf of a subcontractor or lower tier subcontractor. A subcontractor may request in writing, either on his or her own behalf or on behalf of a lower tier subcontractor, that the contractor present a claim for work which was performed by the subcontractor or by a lower tier subcontractor on behalf of the subcontractor. The subcontractor requesting that the claim be presented to the public entity shall furnish reasonable documentation to support the claim. Within 45 days of receipt of this written request, the contractor shall notify the subcontractor in writing as to whether the contractor presented the claim to the public entity and, if the original contractor did not present the claim, provide the subcontractor with a statement of the reasons for not having done so.

(e) The text of this section or a summary of it shall be set forth in the plans or specifications for any public works project that may give rise to a claim under this section.

(f) A waiver of the rights granted by this section is void and contrary to public policy, provided, however, that (1) upon receipt of a claim, the parties may mutually agree to waive, in writing, mediation and proceed directly to the commencement of a civil action or binding arbitration, as applicable; and (2) a public entity may prescribe reasonable change order, claim, and dispute

resolution procedures and requirements in addition to the provisions of this section, so long as the contractual provisions do not conflict with or otherwise impair the timeframes and procedures set forth in this section.

(g) This section applies to contracts entered into on or after January 1, 2017.

(h) Nothing in this section shall impose liability upon a public entity that makes loans or grants available through a competitive application process, for the failure of an awardee to meet its contractual obligations.

(i) This section shall remain in effect only until January 1, 2020, and as of that date is repealed, unless a later enacted statute, that is enacted before January 1, 2020, deletes or extends that date.

**20104.**

(a)(1) This article applies to all public works claims of three hundred seventy-five thousand dollars (\$375,000) or less which arise between a contractor and a local agency.

(2) This article shall not apply to any claims resulting from a contract between a contractor and a public agency when the public agency has elected to resolve any disputes pursuant to Article 7.1 (commencing with Section 10240) of Chapter 1 of Part 2.

(b)(1) "Public work" means "public works contract" as defined in Section 1101 but does not include any work or improvement contracted for by the state or the Regents of the University of California.

(2) "Claim" means a separate demand by the contractor for (A) a time extension, (B) payment of money or damages arising from work done by, or on behalf of, the contractor pursuant to the contract for a public work and payment of which is not otherwise expressly provided for or the claimant is not otherwise entitled to, or (C) an amount the payment of which is disputed by the local agency.

(c) The provisions of this article or a summary thereof shall be set forth in the plans or specifications for any work which may give rise to a claim under this article.

(d) This article applies only to contracts entered into on or after January 1, 1991.

**20104.2** For any claim subject to this article, the following requirements apply:

(a) The claim shall be in writing and include the documents necessary to substantiate the claim. Claims must be filed on or before the date of final payment. Nothing in this subdivision is intended to extend the time limit or supersede notice requirements otherwise provided by contract for the filing of claims.

(b)(1) For claims of less than fifty thousand dollars (\$50,000), the local agency shall respond in writing to any written claim within 45 days of receipt of the claim, or may request, in writing, within 30 days of receipt of the claim, any additional documentation supporting the claim or relating to defenses to the claim the local agency may have against the claimant.

(2) If additional information is thereafter required, it shall be requested and provided pursuant to this subdivision, upon mutual agreement of the local agency and the claimant.

(3) The local agency's written response to the claim, as further documented, shall be submitted to the claimant within 15 days after receipt of the further documentation or within a period of time no greater than that taken by the claimant in producing the additional information, whichever is greater.

(c)(1) For claims of over fifty thousand dollars (\$50,000) and less than or equal to three hundred seventy-five thousand dollars (\$375,000), the local agency shall respond in writing to all written claims within 60 days of receipt of the claim, or may request, in writing, within 30 days of receipt of the claim, any additional documentation supporting the claim or relating to defenses to the claim the local agency may have against the claimant.

(2) If additional information is thereafter required, it shall be requested and provided pursuant to this subdivision, upon mutual agreement of the local agency and the claimant.

(3) The local agency's written response to the claim, as further documented, shall be submitted to the claimant within 30 days after receipt of the further documentation, or within a period of time no greater than that taken by the claimant in producing the additional information or requested documentation, whichever is greater.

(d) If the claimant disputes the local agency's written response, or the local agency fails to respond within the time prescribed, the claimant may so notify the local agency, in writing, either within 15 days of receipt of the local agency's response or within 15 days of the local agency's failure to respond within the time prescribed, respectively, and demand an informal conference to meet and confer for settlement of the issues in dispute. Upon a demand, the local agency shall schedule a meet and confer conference within 30 days for settlement of the dispute.

(e) Following the meet and confer conference, if the claim or any portion remains in dispute, the claimant may file a claim as provided in Chapter 1 (commencing with Section 900) and Chapter 2 (commencing with Section 910) of Part 3 of Division 3.6 of Title 1 of the Government Code. For purposes of these provisions, the running of the period of time within which a claim must be filed shall be tolled from the time the claimant submits his or her written claim pursuant to subdivision (c) until the time that claim is denied as a result of the meet and confer process, including any period of time utilized by the meet and confer process.

(f) This article does not apply to tort claims and nothing in this article is intended nor shall be construed to change the time periods for filing tort claims or actions specified by Chapter 1 (commencing with Section 900) and Chapter 2 (commencing with Section 910) of Part 3 of Division 3.6 of Title 1 of the Government Code.

**20104.4** The following procedures are established for all civil actions filed to resolve claims subject to this article:

(a) Within 60 days, but no earlier than 30 days, following the filing or responsive pleadings, the court shall submit the matter to nonbinding mediation unless waived by mutual stipulation of both parties. The mediation process shall provide for the selection within 15 days by both parties of a disinterested third person as mediator, shall be commenced within 30 days of the

submittal, and shall be concluded within 15 days from the commencement of the mediation unless a time requirement is extended upon a good cause showing to the court or by stipulation of both parties. If the parties fail to select a mediator within the 15-day period, any party may petition the court to appoint the mediator.

(b)(1) If the matter remains in dispute, the case shall be submitted to judicial arbitration pursuant to Chapter 2.5 (commencing with Section 1141.10) of Title 3 of Part 3 of the Code of Civil Procedure, notwithstanding Section 1141.11 of that code. The Civil Discovery Act (Title 4 (commencing with Section 2016.10) of Part 4 of the Code of Civil Procedure) shall apply to any proceeding brought under this subdivision consistent with the rules pertaining to judicial arbitration.

(2) Notwithstanding any other provision of law, upon stipulation of the parties, arbitrators appointed for purposes of this article shall be experienced in construction law, and, upon stipulation of the parties, mediators and arbitrators shall be paid necessary and reasonable hourly rates of pay not to exceed their customary rate, and such fees and expenses shall be paid equally by the parties, except in the case of arbitration where the arbitrator, for good cause, determines a different division. In no event shall these fees or expenses be paid by state or county funds.

(3) In addition to Chapter 2.5 (commencing with Section 1141.10) of Title 3 of Part 3 of the Code of Civil Procedure, any party who after receiving an arbitration award requests a trial de novo but does not obtain a more favorable judgment shall, in addition to payment of costs and fees under that chapter, pay the attorney's fees of the other party arising out of the trial de novo.

(c) The court may, upon request by any party, order any witnesses to participate in the mediation or arbitration process.

#### **20104.6**

(a) No local agency shall fail to pay money as to any portion of a claim which is undisputed except as otherwise provided in the contract.

(b) In any suit filed under Section 20104.4, the local agency shall pay interest at the legal rate on any arbitration award or judgment. The interest shall begin to accrue on the date the suit is filed in a court of law.

### **ARTICLE 1.7**

Modification; Performance, Payment

#### **20104.50**

(a) (1) It is the intent of the Legislature in enacting this section to require all local governments to pay their contractors on time so that these contractors can meet their own obligations. In requiring prompt payment by all local governments, the Legislature hereby finds and declares that the prompt payment of outstanding receipts is not merely a municipal affair, but is, instead, a matter of statewide concern.

(2) It is the intent of the Legislature in enacting this article to fully occupy the field of public policy relating to the prompt payment of local governments' outstanding receipts. The Legislature finds and declares that all government officials, including those in local government, must set a standard of prompt payment that any business in the private sector which may contract for services should look towards for guidance.

(b) Any local agency which fails to make any progress payment within 30 days after receipt of an undisputed and properly submitted payment request from a contractor on a construction contract shall pay interest to the contractor equivalent to the legal rate set forth in subdivision (a) of Section 685.010 of the Code of Civil Procedure.

(c) Upon receipt of a payment request, each local agency shall act in accordance with both of the following:

(1) Each payment request shall be reviewed by the local agency as soon as practicable after receipt for the purpose of determining that the payment request is a proper payment request.

(2) Any payment request determined not to be a proper payment request suitable for payment shall be returned to the contractor as soon as practicable, but not later than seven days, after receipt. A request returned pursuant to this paragraph shall be accompanied by a document setting forth in writing the reasons why the payment request is not proper.

(d) The number of days available to a local agency to make a payment without incurring interest pursuant to this section shall be reduced by the number of days by which a local agency exceeds the seven-day return requirement set forth in paragraph (2) of subdivision (c).

(e) For purposes of this article:

(1) A "local agency" includes, but is not limited to, a city, including a charter city, a county, and a city and county, and is any public entity subject to this part.

(2) A "progress payment" includes all payments due contractors, except that portion of the final payment designated by the contract as retention earnings.

(3) A payment request shall be considered properly executed if funds are available for payment of the payment request, and payment is not delayed due to an audit inquiry by the financial officer of the local agency.

(f) Each local agency shall require that this article, or a summary thereof, be set forth in the terms of any contract subject to this article.

**NOTE: THIS FORM MUST BE COMPLETED, SIGNED AND RETURNED WITH THE PROPOSAL**

**NONCOLLUSION DECLARATION  
TO BE EXECUTED BY  
BIDDER AND SUBMITTED WITH BID**

**(Public Contract Code section 7106)**

The undersigned declares:

I am the \_\_\_\_\_ [title] of \_\_\_\_\_ [name of the bidder], the party making the foregoing bid.

The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder. All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on

\_\_\_\_\_ [date], at \_\_\_\_\_ [city], \_\_\_\_\_ [state].

**Print Name**

**Signature - REQUIRED**

**NOTE: The above Noncollusion Declaration is part of the Bid, and failure to include the Noncollusion Declaration with the Bid will result in the Bid being found nonresponsive.**

**Bidders are reminded that this declaration must be signed under penalty of perjury.**

If the bid proposal is submitted through ePro the undersigned acknowledges that its electronic signature is legally binding.

**IRAN CONTRACTING ACT OF 2010  
(Public Contract Code section 2200 et seq.)**

**(Applicable only to Contracts of One Million Dollars (\$1,000,000) or More):**

In accordance with Public Contract Code section 2204 (a), the bidder certifies that at the time the bid is submitted or the contract is renewed, that bidder is not identified on a list created pursuant to subdivision (b) of Public Contract Code section 2203 as a person engaging in investment activities in Iran described in subdivision (a) of Public Contract Code section 2202.5, or as a person described in subdivision (b) of Public Contract Code section 2202.5, as applicable. A state agency shall submit the certification information to the Department of General Services.

**RUSSIAN SANCTION/EXECUTIVE ORDER N-6-22**

**(Applicable for all Contracts of five million dollars (\$5,000,000) or more utilizing State funding.):**

On March 4, 2022, Governor Gavin Newsom issued Executive Order N-6-22 (the EO) regarding Economic Sanctions against Russia and Russian entities and individuals. "Economic Sanctions" refers to sanctions imposed by the U.S. government in response to Russia's actions in Ukraine (<https://home.treasury.gov/policy-issues/financial-sanctions/sanctions-programs-and-country-information/ukraine-russia-related-sanctions>), as well as any sanctions imposed under state law (<https://www.dgs.ca.gov/OLS/Ukraine-Russia>). The EO directs state agencies and their contractors (including by agreement or receipt of a grant) to terminate contracts with, and to refrain from entering any new contracts with, individuals or entities that are determined to be a target of Economic Sanctions. Accordingly, should it be determined that Contractor is a target of Economic Sanctions or is conducting prohibited transactions with sanctioned individuals or entities, that shall be grounds for termination of this agreement. Contractor shall be provided advance written notice of such termination, allowing Contractor at least 30 calendar days to provide a written response. Termination shall be at the sole discretion of the County.

**NOTE: The above Certification is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Certification.**

**Bidders are cautioned that making a false certification may subject bidder to civil penalties, termination of existing contract, and ineligibility to bid on a contract for a period of three (3) years in accordance with Public Contract Code section 2205.**



**NOTE: THIS FORM MUST BE COMPLETED, SIGNED AND RETURNED WITH THE PROPOSAL**

Accompanying this proposal is \_\_\_\_\_  
in the amount equal to at least ten percent of the total of the bid.

(Note: Insert the words "CASH (\$ )," "CASHIER'S CHECK," "CERTIFIED CHECK," or "BIDDER'S BOND," as the case may be.)

The names of all persons interested in the foregoing proposal as principals are as follows:

**NOTICE:** If the bidder or other interested person is a corporation, state legal name of corporation, also names of the president, secretary, treasurer, and manager thereof; if a co-partnership, state true name of firm, also names of all individual co-partners composing firm; if bidder or other interested person is an individual, state first and last names in full.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Licensed in accordance with an act providing for the registration of Contractors,  
License No.: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

Dept. of Industrial Relations Reg. No: \_\_\_\_\_ Federal Identification No.: \_\_\_\_\_

By my signature on this proposal I certify, under penalty of perjury under the laws of the State of California, that the foregoing documents are true and correct and that the bidder satisfies all of the requirements identified in said documents.

If the bid proposal is submitted through ePro the undersigned acknowledges that its electronic signature is legally binding.

**NOT FOR BID**

<u>Print Name</u>	<u>Signature - REQUIRED</u>	<u>Title</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

**Date:** \_\_\_\_\_

Name of Bidder \_\_\_\_\_

Business Address \_\_\_\_\_

Place of Business \_\_\_\_\_

Business Phone No. \_\_\_\_\_ Business Fax No. \_\_\_\_\_

Place of Residence \_\_\_\_\_

# BID BOND

**KNOW ALL MEN BY THESE PRESENTS:**

That we, \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_, as Principal, (hereinafter called the "Principal"),  
and \_\_\_\_\_, as Surety, (hereinafter called "Surety"),  
an admitted Surety insurer pursuant to Code of Civil Procedure, Section 995.120, legally doing business in California at:

\_\_\_\_\_ are held and firmly bound unto the **SAN BERNARDINO COUNTY**, as Obligee, (hereinafter called "**Obligee**"), in the sum of \_\_\_\_\_ Dollars (\$ \_\_\_\_\_),  
for the payment of which sum well and truly to be made, the said Principal and the said Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally firmly by these presents.

**WHEREAS**, the Principal has submitted a bid for:

**PROJECT TITLE: BLOOMINGTON AVENUE; PROJECT LIMITS: CEDAR AVENUE TO 0.11 MILES  
NORTHEAST OF LARCH Avenue; W. O. NO.: W. O. NO. TX 795**

**BID DATE:** \_\_\_\_\_

**NOW, THEREFORE**, if the Obligee shall accept the bid of the Principal and the Principal shall enter into a contract with the Obligee in accordance with the terms of said proposal and give such bonds as may be specified in the bidding or contract documents with good and sufficient surety for the faithful performance of such contract and for the prompt payment of labor and material furnished in the prosecution thereof, or in the event of the failure of the Principal to enter into such contract and give such bonds, if the Principal shall pay to the Obligee the difference not to exceed the penalty hereof between the amount specified in said bid and such larger amount for which the Obligee may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ Year

\_\_\_\_\_  
Principal  
By: \_\_\_\_\_  
Signature  
\_\_\_\_\_  
Printed Name  
\_\_\_\_\_  
Title

\_\_\_\_\_  
Surety  
By: \_\_\_\_\_  
Signature, Attorney-in-Fact  
\_\_\_\_\_  
Printed Name



Contract Number

\_\_\_\_\_

SAP Number

\_\_\_\_\_

# PUBLIC WORKS

Department Contract Representative \_\_\_\_\_  
Telephone Number \_\_\_\_\_

Contractor \_\_\_\_\_  
Contractor Representative \_\_\_\_\_  
Telephone Number \_\_\_\_\_  
Contract Term \_\_\_\_\_  
Original Contract Amount \_\_\_\_\_  
Amendment Amount \_\_\_\_\_  
Total Contract Amount \_\_\_\_\_  
Cost Center \_\_\_\_\_

**NOT FOR BID**

**IT IS HEREBY AGREED AS FOLLOWS:**

*(Use space below and additional bond sheets. Set forth service to be rendered, amount to be paid, manner of payment, time for performance or completion, determination of satisfactory performance and cause for termination, other terms and conditions and attach plans, specifications, and addenda, if any.)*

**ARTICLE I.** That for and in consideration of payment and agreements hereinafter mentioned to be made and performed by County, and under the conditions expressed in the two bonds, hereunto annexed, Contractor agrees with County, at Contractor's own proper cost and expense to do all the work and to furnish all the materials necessary to construct and complete in a good, workmanlike and substantial manner, this project to the satisfaction of the Director of Public Works in accordance with the following documents, which are incorporated herein by this reference, and the articles set out below:

Plans entitled: Plans for Construction on Bloomington Avenue Cedar Avenue to 0.11 miles northeast of Larch Avenue, Bloomington Area, Work Order No.: W.O. No. TX1795; Road No.: 170550-010.

California Department of Transportation (Caltrans) 2015 Standard Specifications and the 2018 Standard Plans, including the Caltrans 2015 Revised Standard Specifications and the 2018 Revised Standard Plans (Revisions on both the Standard Specifications and the Revised Standard Plans through 2021), unless specified otherwise in the contract documents.

Special Provisions entitled: Special Provisions for Construction on Bloomington Avenue Cedar Avenue to 0.11 miles northeast of Larch Avenue; Length: 0.42 miles; Work Order No.: W.O. No. TX1795; Area: Bloomington; Road No.: 170550-010.

**ARTICLE II.** Contractor agrees to receive and accept the following prices as full compensation for furnishing all materials and for doing all the work contemplated and embraced in this agreement; also for all loss or damage arising out of the nature of the work aforesaid, or from the action of the elements, or from any unforeseen difficulties or obstructions which may arise or be encountered in the prosecution of the work, until its acceptance by the County, and for all risks of every description connected with the work; also for expenses incurred by or in consequence of the suspension or discontinuance of work and for well and faithfully completing the work, and the whole thereof, in the manner and according to the plans and specifications, and the requirements of the Engineer under them, to wit: of work and for well and faithfully completing the work, and the whole thereof, in the manner and according to the plans and specifications, and the requirements of the Engineer under them, to wit:

Project: Bloomington Avenue

W.O.#: TX1795

Limits: Cedar Ave to 0.11 Miles NE of Larch Avenue

Item No.	Approx. Quant.	Meas. Unit	Item Description	Unit Price	Total
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*Table of Contract Quantities, Items and Prices will be shown here*

**NOT FOR BID**

**ARTICLE III.** County hereby promises and agrees with Contractor to employ and does hereby employ Contractor to provide the materials and to do the work according to the terms and conditions herein contained and referred to, for the prices aforesaid, and thereby contracts to pay the same at the time, in the manner and upon conditions above set forth, and said parties hereto for themselves, their heirs, executors, administrators, successors and assigns do hereby agree to the full performance of the covenants herein contained.

**ARTICLE IV.** Contractor shall accept all payments from County via electronic funds transfer (EFT) directly deposited into the Contractor's designated checking or other banking account. Contractor shall promptly comply with directions and accurately complete forms provided by County required to process EFT payments.

**ARTICLE V.** Contractor may, upon written request and at their expense, deposit substitute securities found in Government Code Section 16430 as authorized by Public Contract Code Section 22300 in lieu of retention monies withheld to insure performance.

**ARTICLE VI.** It is further expressly agreed by and between the parties hereto that, should there be any conflict between the terms of this instrument and the bid or proposal of said Contractor, then this instrument shall control and nothing herein shall be considered as an acceptance of the said terms of said proposal conflicting herewith.

**ARTICLE VII.** During the term of the Contract, Contractor shall not discriminate 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, sexual orientation, age, or military and veteran status. CONTRACTOR shall comply with Executive Orders 11236, 11375, 11625, 12138, 12432, 12250, Title VI and VII of the Civil Rights Act of 1964, the California Fair Housing and Employment Act, County Policy and other applicable federal, state and County laws, regulations and policies relating to equal employment and contracting opportunities, including laws and regulations hereafter enacted.

**ARTICLE VIII.** By my signature hereunder, as Contractor, I certify that 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 of this contract.

**ARTICLE IX.** By my signature hereunder, as Contractor, I certify that I am aware of the provisions and requirements of Sections 1777.5 and 1777.7 of the Labor Code relating to apprenticeship standards; and that I accept responsibility for compliance with the provisions of Section 1777.5 for all apprenticeable occupations pertaining to performance of work under this contract.

**ARTICLE X.** By my signature hereunder, as Contractor, I agree that County has the right to review, obtain and copy all records pertaining to performance of the contract. I agree to provide County with any relevant information requested and shall permit County access to company's premises upon reasonable notice for purposes on interviewing employees and inspecting records. I shall maintain all project records for at least three (3) years after final payment under the contract.

**ARTICLE XI.** Contractor shall comply with the Prevailing Wage Laws described in this Agreement, including Exhibit A.

As required by Labor Code section 1771.1(a) "A contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, as defined in this chapter, unless currently registered and qualified to perform public work pursuant to Section 1725.5. It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions Code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded."

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BOARD OF SUPERVISORS

►  
\_\_\_\_\_  
Dawn Rowe, Chair, Board of Supervisors

Dated: \_\_\_\_\_  
SIGNED AND CERTIFIED THAT A COPY OF THIS  
DOCUMENT HAS BEEN DELIVERED TO THE  
CHAIRMAN OF THE BOARD

Lynna Monell  
Clerk of the Board of Supervisors  
of the San Bernardino County

By \_\_\_\_\_  
Deputy

\_\_\_\_\_  
(Print or type name of corporation, company, contractor, etc.)

By \_\_\_\_\_  
(Authorized signature - sign in blue ink)

Name \_\_\_\_\_  
(Print or type name of person signing contract)

Title \_\_\_\_\_  
(Print or Type)

Dated: \_\_\_\_\_

Address \_\_\_\_\_  
\_\_\_\_\_

**FOR COUNTY USE ONLY**

Approved as to Legal Form

Reviewed for Contract Compliance

Reviewed/Approved by Department

► \_\_\_\_\_  
, County Counsel

► \_\_\_\_\_

► \_\_\_\_\_

Date \_\_\_\_\_

Date \_\_\_\_\_

Date \_\_\_\_\_

**NOT FOR BID**

## EXHIBIT A - PREVAILING WAGE REQUIREMENTS

### A. All or a portion of the Scope of Work in the Contract requires the payment of prevailing wages and compliance with the following requirements:

#### 1. **Determination of Prevailing Rates:**

Pursuant to Labor Code sections 1770, et seq., the County has obtained from the Director of the Department of Industrial Relations (DIR) pursuant to the California Labor Code, the general prevailing rates of per diem wages and the prevailing rates for holiday and overtime work in the locality in which the Scope of Work is to be performed. Copies of said rates are on file with the County, will be made available for inspection during regular business hours, may be included elsewhere in the specifications for the Scope of Work, and are also available online at [www.dir.ca.gov](http://www.dir.ca.gov). The wage rate for any classification not listed, but which may be required to execute the Scope of Work, shall be commensurate and in accord with specified rates for similar or comparable classifications for those performing similar or comparable duties. In accordance with Labor Code section 1773.2, the Contractor shall post, at appropriate and conspicuous locations on the job site, a schedule showing all applicable prevailing wage rates and shall comply with the requirements of Labor Code sections 1773, et seq.

#### 2. **Payment of Prevailing Rates**

Each worker of the Contractor, or any subcontractor, engaged in the Scope of Work, shall be paid not less than the general prevailing wage rate, regardless of any contractual relationship which may be alleged to exist between the Contractor or any subcontractor, and such worker.

#### 3. **Prevailing Rate Penalty**

The Contractor shall, as a penalty, forfeit two hundred dollars (\$200.00) to the County for each calendar day or portion thereof, for each worker paid less than the prevailing rates as determined by the Director of the DIR for such work or craft in which such worker is employed by the Contractor or by any subcontractor in connection with the Scope of Work. Pursuant to California Labor Code section 1776, the difference between such prevailing wage rates and the amount paid to each worker for each calendar day, or portion thereof, for which each worker was paid less than the prevailing wage rate, shall be paid to each worker by the Contractor.

#### 4. **Ineligible Contractors:**

Pursuant to the provisions of Labor Code section 1777.1, the Labor Commissioner publishes and distributes a list of contractors ineligible to perform work as a contractor or subcontractor on a public works project. This list of debarred contractors is available from the DIR website at <http://www.dir.ca.gov/Public-Works/PublicWorks.html>. Any contract entered into between a contractor and a debarred subcontractor is void as a matter of law. A debarred subcontractor may not receive any public money for performing work as a subcontractor on a public works contract, and any public money that may have been paid to a debarred subcontractor by a contractor on the project shall be returned to the County. The Contractor shall be responsible for the payment of wages to workers as a debarred subcontractor who has been allowed to work on the Scope of Work.

#### 5. **Payroll Records:**

- a. Pursuant to California Labor Code section 1776, the Contractor and each subcontractor, shall keep accurate certified payroll records, showing the name, address, social security number, work classification, straight time and overtime hours worked each day and week, and the actual per diem wages paid to each journeyman, apprentice, worker or other employee employed by them in connection with the Scope of Work. The payroll records enumerated herein shall be verified by a written declaration made under penalty of perjury that the information contained in the payroll record is true and correct and that the Contractor or subcontractor has complied with the requirements of the California Labor Code sections 1771, 1811, and 1815 for any Scope of Work performed by his or her employees. The payroll records shall be available for inspection at all reasonable hours at the principal office of the Contractor on the following basis:

- i. A certified copy of an employee's payroll record shall be made available for inspection or furnished to such employee or his/her authorized representative on request;
  - ii. A certified copy of all payroll records shall be made available for inspection or furnished upon request to the County, the Division of Labor Standards Enforcement of the DIR;
  - iii. A certified copy of payroll records shall be made available upon request to the public for inspection or copies thereof made; provided, however, that a request by the public shall be made through either the County or the Division of Labor Standards Enforcement. If the requested payroll records have not been previously provided to the County or the Division of Labor Standards Enforcement, the requesting party shall, prior to being provided the records, reimburse the cost of preparation by the Contractor, subcontractor and the entity through which the request was made; the public shall not be given access to such records at the principal office of the Contractor;
  - iv. The Contractor shall file a certified copy of the payroll records with the entity that requested such records within ten (10) days after receipt of a written request; and
  - v. Copies provided to the public, by the County or the Division of Labor Standards Enforcement shall be marked or obliterated in such a manner as to prevent disclosure of an individual's name, address and social security number. The name and address of the Contractor or any subcontractor, performing a part of the Scope of Work shall not be marked or obliterated. The Contractor shall inform the County of the location of payroll records, including the street address, city and county and shall, within five (5) working days, provide a notice of a change of location and address.
- b. The Contractor shall have ten (10) days from receipt of the written notice specifying in what respects the Contractor must comply with the above requirements. In the event Contractor does not comply with the requirements of this section within the ten (10) day period, the Contractor shall, as a penalty to the County, forfeit one-hundred dollars (\$100.00) for each calendar day, or portion thereof, for each worker, until strict compliance is effectuated. Upon the request of the Division of Labor Standards Enforcement, such penalty shall be withheld from any portion of the payment then due or to become due to the Contractor.

**6. Limits on Hours of Work:**

Pursuant to California Labor Code section 1810, eight (8) hours of labor shall constitute a legal day's work. Pursuant to California Labor Code section 1811, the time of service of any worker employed at any time by the Contractor or by a subcontractor, upon the Scope of Work or upon any part of the Scope of Work, is limited and restricted to eight (8) hours during any one calendar day and forty (40) hours during any one calendar week, except as provided for under Labor Code section 1815. Notwithstanding the foregoing provisions, work performed by employees of Contractor or any subcontractor, in excess of eight (8) hours per day and forty (40) hours during any one week, shall be permitted upon compensation for all hours worked in excess of eight (8) hours per day at not less than one and one-half (1½) times the basic rate of pay.

**7. Penalty for Excess Hours:**

The Contractor shall pay to the County a penalty of twenty-five dollars (\$25.00) for each worker employed on the Scope of Work by the Contractor or any subcontractor, for each calendar day during which such worker is required or permitted to work more than eight (8) hours in any calendar day and forty (40) hours in any one calendar week, in violation of the provisions of the California Labor Code, unless compensation to the worker so employed by the Contractor is not less than one and one-half (1½) times the basic rate of pay for all hours worked in excess of eight (8) hours per day.

**8. Senate Bill 854 (Chapter 28, Statutes of 2014) and Senate Bill 96 (Chapter 28, Statutes of 2017) Requirements:**



- a. Contractor shall comply with Senate Bill 854 and Senate Bill 96. The requirements include, but are not limited to, the following:
- i. No contractor or subcontractor may be listed on a bid proposal (submitted on or after March 1, 2015) for a public works project unless registered with the DIR pursuant to Labor Code section 1725.5, with limited exceptions from this requirements for bid purposes only as allowed under Labor Code section 1771.1(a).
  - ii. No contractor or subcontractor may be awarded a contract for public work or perform work on a public works project (awarded on or after April 1, 2015) unless registered with the DIR pursuant to Labor Code section 1725.5.
  - iii. This project is subject to compliance monitoring and enforcement by the DIR.
  - iv. As required by the DIR, Contractor is required to post job site notices, as prescribed by regulation, regarding compliance monitoring and enforcement by the DIR.
  - v. Contractors and all subcontractors must submit certified payroll records online to the Labor Commissioner for all new public works projects issued on or after April 1, 2015, and for all public works projects, new or ongoing, on or after January 1, 2016.
    - 1) The certified payroll must be submitted at least monthly to the Labor Commissioner.
    - 2) The County reserves the right to require Contractor and all subcontractors to submit certified payroll records more frequently than monthly to the Labor Commissioner.
    - 3) The certified payroll records must be in a format prescribed by the Labor Commissioner.
  - vi. Registration with the DIR and the submission of certified payroll records to the Labor Commissioner are not required if the public works project is \$25,000 or less when the project is for construction, alteration, demolition, installation or repair work, or if the public works project is \$15,000 or less when the project is for maintenance work.
- b. Labor Code section 1725.5 states the following:

“A contractor shall be registered pursuant to this section to be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any public work contract that is subject to the requirements of this chapter. For the purposes of this section, “contractor” includes a subcontractor as defined by Section 1722.1.

(a) To qualify for registration under this section, a contractor shall do all of the following:

(1) (A) Register with the Department of Industrial Relations in the manner prescribed by the department and pay an initial nonrefundable application fee of four hundred dollars (\$400) to qualify for registration under this section and an annual renewal fee on or before July 1 of each year thereafter. The annual renewal fee shall be in a uniform amount set by the Director of Industrial Relations, and the initial registration and renewal fees may be adjusted no more than annually by the director to support the costs specified in Section 1771.3.

(B) Beginning June 1, 2019, a contractor may register or renew according to this subdivision in annual increments up to three years from the date of registration. Contractors who wish to do so will be required to prepay the applicable nonrefundable application or renewal fees to qualify for the number of years for which they wish to preregister.

(2) Provide evidence, disclosures, or releases as are necessary to establish all of the following:

(A) Workers' compensation coverage that meets the requirements of Division 4 (commencing with Section 3200) and includes sufficient coverage for any worker whom the contractor

employs to perform work that is subject to prevailing wage requirements other than a contractor who is separately registered under this section. Coverage may be evidenced by a current and valid certificate of workers' compensation insurance or certification of self-insurance required under Section 7125 of the Business and Professions Code.

(B) If applicable, the contractor is licensed in accordance with Chapter 9 (commencing with Section 7000) of the Business and Professions Code.

(C) The contractor does not have any delinquent liability to an employee or the state for any assessment of back wages or related damages, interest, fines, or penalties pursuant to any final judgment, order, or determination by a court or any federal, state, or local administrative agency, including a confirmed arbitration award. However, for purposes of this paragraph, the contractor shall not be disqualified for any judgment, order, or determination that is under appeal, provided that the contractor has secured the payment of any amount eventually found due through a bond or other appropriate means.

(D) The contractor is not currently debarred under Section 1777.1 or under any other federal or state law providing for the debarment of contractors from public works.

(E) The contractor has not bid on a public works contract, been listed in a bid proposal, or engaged in the performance of a contract for public works without being lawfully registered in accordance with this section, within the preceding 12 months or since the effective date of the requirements set forth in subdivision (e), whichever is earlier. If a contractor is found to be in violation of the requirements of this paragraph, the period of disqualification shall be waived if both of the following are true:

(i) The contractor has not previously been found to be in violation of the requirements of this paragraph within the preceding 12 months.

(ii) The contractor pays an additional nonrefundable penalty registration fee of two thousand dollars (\$2,000).

(b) Fees received pursuant to this section shall be deposited in the State Public Works Enforcement Fund established by Section 1771.3 and shall be used only for the purposes specified in that section.

(c) A contractor who fails to pay the renewal fee required under paragraph (1) of subdivision (a) on or before the expiration of any prior period of registration shall be prohibited from bidding on or engaging in the performance of any contract for public work until once again registered pursuant to this section. If the failure to pay the renewal fee was inadvertent, the contractor may renew its registration retroactively by paying an additional nonrefundable penalty renewal fee equal to the amount of the renewal fee within 90 days of the due date of the renewal fee.

(d) If, after a body awarding a contract accepts the contractor's bid or awards the contract, the work covered by the bid or contract is determined to be a public work to which Section 1771 applies, either as the result of a determination by the director pursuant to Section 1773.5 or a court decision, the requirements of this section shall not apply, subject to the following requirements:

(1) The body that awarded the contract failed, in the bid specification or in the contract documents, to identify as a public work that portion of the work that the determination or decision subsequently classifies as a public work.

(2) Within 20 days following service of notice on the awarding body of a determination by the Director of Industrial Relations pursuant to Section 1773.5 or a decision by a court that the contract was for public work as defined in this chapter, the contractor and any subcontractors

are registered under this section or are replaced by a contractor or subcontractors who are registered under this section.

(3) The requirements of this section shall apply prospectively only to any subsequent bid, bid proposal, contract, or work performed after the awarding body is served with notice of the determination or decision referred to in paragraph (2).

(e) The requirements of this section shall apply to any bid proposal submitted on or after March 1, 2015, to any contract for public work, as defined in this chapter, executed on or after April 1, 2015, and to any work performed under a contract for public work on or after January 1, 2018, regardless of when the contract for public work was executed.

(f) This section does not apply to work performed on a public works project of twenty-five thousand dollars (\$25,000) or less when the project is for construction, alteration, demolition, installation, or repair work or to work performed on a public works project of fifteen thousand dollars (\$15,000) or less when the project is for maintenance work.”

c. Labor Code section 1771.1 states the following:

“(a) A contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, as defined in this chapter, unless currently registered and qualified to perform public work pursuant to Section 1725.5. It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions Code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded.

(b) Notice of the requirement described in subdivision (a) shall be included in all bid invitations and public works contracts, and a bid shall not be accepted nor any contract or subcontract entered into without proof of the contractor or subcontractor's current registration to perform public work pursuant to Section 1725.5.

(c) An inadvertent error in listing a subcontractor who is not registered pursuant to Section 1725.5 in a bid proposal shall not be grounds for filing a bid protest or grounds for considering the bid nonresponsive, provided that any of the following apply:

(1) The subcontractor is registered prior to the bid opening.

(2) Within 21 hours after the bid opening, the subcontractor is registered and has paid the penalty registration fee specified in subparagraph (E) of paragraph (2) of subdivision (a) of Section 1725.5.

(3) The subcontractor is replaced by another registered subcontractor pursuant to Section 4107 of the Public Contract Code.

(d) Failure by a subcontractor to be registered to perform public work as required by subdivision (a) shall be grounds under Section 4107 of the Public Contract Code for the contractor, with the consent of the awarding authority, to substitute a subcontractor who is registered to perform public work pursuant to Section 1725.5 in place of the unregistered subcontractor.

(e) The department shall maintain on its Internet Web site a list of contractors who are currently registered to perform public work pursuant to Section 1725.5.

(f) A contract entered into with any contractor or subcontractor in violation of subdivision (a) shall be subject to cancellation, provided that a contract for public work shall not be unlawful, void, or voidable solely due to the failure of the awarding body, contractor, or any subcontractor to comply with the requirements of Section 1725.5 or this section.

(g) If the Labor Commissioner or his or her designee determines that a contractor or subcontractor engaged in the performance of any public work contract without having been registered in accordance with this section, the contractor or subcontractor shall forfeit, as a civil penalty to the state, one hundred dollars (\$100) for each day of work performed in violation of the registration requirement, not to exceed an aggregate penalty of eight thousand dollars (\$8,000) in addition to any penalty registration fee assessed pursuant to clause (ii) of subparagraph (E) of paragraph (2) of subdivision (a) of Section 1725.5.

(h)(1) In addition to, or in lieu of, any other penalty or sanction authorized pursuant to this chapter, a higher tiered public works contractor or subcontractor who is found to have entered into a subcontract with an unregistered lower tier subcontractor to perform any public work in violation of the requirements of Section 1725.5 or this section shall be subject to forfeiture, as a civil penalty to the state, of one hundred dollars (\$100) for each day the unregistered lower tier subcontractor performs work in violation of the registration requirement, not to exceed an aggregate penalty of ten thousand dollars (\$10,000).

(2) The Labor Commissioner shall use the same standards specified in subparagraph (A) of paragraph (2) of subdivision (a) of Section 1775 when determining the severity of the violation and what penalty to assess, and may waive the penalty for a first time violation that was unintentional and did not hinder the Labor Commissioner's ability to monitor and enforce compliance with the requirements of this chapter.

(3) A higher tiered public works contractor or subcontractor shall not be liable for penalties assessed pursuant to paragraph (1) if the lower tier subcontractor's performance is in violation of the requirements of Section 1725.5 due to the revocation of a previously approved registration.

(4) A subcontractor shall not be liable for any penalties assessed against a higher tiered public works contractor or subcontractor pursuant to paragraph (1). A higher tiered public works contractor or subcontractor may not require a lower tiered subcontractor to indemnify or otherwise be liable for any penalties pursuant to paragraph (1).

(i) The Labor Commissioner or his or her designee shall issue a civil wage and penalty assessment, in accordance with the provisions of Section 1741, upon determination of penalties pursuant to subdivision (g) and subparagraph (B) of paragraph (1) of subdivision (h). Review of a civil wage and penalty assessment issued under this subdivision may be requested in accordance with the provisions of Section 1742. The regulations of the Director of Industrial Relations, which govern proceedings for review of civil wage and penalty assessments and the withholding of contract payments under Article 1 (commencing with Section 1720) and Article 2 (commencing with Section 1770), shall apply.

(j)(1) Where a contractor or subcontractor engages in the performance of any public work contract without having been registered in violation of the requirements of Section 1725.5 or this section, the Labor Commissioner shall issue and serve a stop order prohibiting the use of the unregistered contractor or the unregistered subcontractor on all public works until the unregistered contractor or unregistered subcontractor is registered. The stop order shall not apply to work by registered contractors or subcontractors on the public work.

(2) A stop order may be personally served upon the contractor or subcontractor by either of the following methods:

(A) Manual delivery of the order to the contractor or subcontractor personally.

(B) Leaving signed copies of the order with the person who is apparently in charge at the site of the public work and by thereafter mailing copies of the order by first class mail, postage prepaid to the contractor or subcontractor at one of the following:

(i) The address of the contractor or subcontractor on file with either the Secretary of State or the Contractors' State License Board.

(ii) If the contractor or subcontractor has no address on file with the Secretary of State or the Contractors' State License Board, the address of the site of the public work.

(3) The stop order shall be effective immediately upon service and shall be subject to appeal by the party contracting with the unregistered contractor or subcontractor, by the unregistered contractor or subcontractor, or both. The appeal, hearing, and any further review of the hearing decision shall be governed by the procedures, time limits, and other requirements specified in subdivision (a) of Section 238.1.

(4) Any employee of an unregistered contractor or subcontractor who is affected by a work stoppage ordered by the commissioner pursuant to this subdivision shall be paid at his or her regular hourly prevailing wage rate by that employer for any hours the employee would have worked but for the work stoppage, not to exceed 10 days.

(k) Failure of a contractor or subcontractor, owner, director, officer, or managing agent of the contractor or subcontractor to observe a stop order issued and served upon him or her pursuant to subdivision (j) is guilty of a misdemeanor punishable by imprisonment in county jail not exceeding 60 days or by a fine not exceeding ten thousand dollars (\$10,000), or both.

(l) This section shall apply to any bid proposal submitted on or after March 1, 2015, and any contract for public work entered into on or after April 1, 2015. This section shall also apply to the performance of any public work, as defined in this chapter, on or after January 1, 2018, regardless of when the contract for public work was entered into.

(m) Penalties received pursuant to this section shall be deposited in the State Public Works Enforcement Fund established by Section 1771.3 and shall be used only for the purposes specified in that section.

(n) This section shall not apply to work performed on a public works project of twenty-five thousand dollars (\$25,000) or less when the project is for construction, alteration, demolition, installation, or repair work or to work performed on a public works project of fifteen thousand dollars (\$15,000) or less when the project is for maintenance work."

d. Labor Code section 1771 states the following:

"a) All of the following are applicable to all public works projects that are otherwise subject to the requirements of this chapter:

(1) The call for bids and contract documents shall specify that the project is subject to compliance, monitoring and enforcement by the Department of Industrial Relations.

(2) The awarding body shall post or require the prime contractor to post job site notices, as prescribed by regulation.

(3) Each contractor and subcontractor shall furnish the records specified in Section 1776 directly to the Labor Commissioner, in the following manner:

(A) At least monthly or more frequently if specified in the contract with the awarding body.

(B) In a format prescribed by the Labor Commissioner.

(4) If the contractor or subcontractor is not registered pursuant to Section 1725.5 and is performing work on a project for which registration is not required because of subdivision (f) of Section 1725.5, the unregistered contractor or subcontractor is not required to furnish the records specified in Section 1776 directly to the Labor Commissioner but shall retain the records specified in Section 1776 for at least three years after completion of the work.

(5) The department shall undertake those activities it deems necessary to monitor and enforce compliance with prevailing wage requirements.

(b) The Labor Commissioner may exempt a public works project from compliance with all or part of the requirements of subdivision (a) if either of the following occurs:

(1) The awarding body has enforced an approved labor compliance program, as defined in Section 1771.5, on all public works projects under its authority, except those deemed exempt pursuant to subdivision (a) of Section 1771.5, continuously since December 31, 2011.

(2) The awarding body has entered into a collective bargaining agreement that binds all contractors performing work on the project and that includes a mechanism for resolving disputes about the payment of wages.

(c) The requirements of paragraph (1) of subdivision (a) shall only apply to contracts for public works projects awarded on or after January 1, 2015.

(d) The requirements of paragraph (3) of subdivision (a) shall apply to all contracts for public work, whether new or ongoing, on or after January 1, 2016.”

## **B. STATE PUBLIC WORKS APPRENTICESHIP REQUIREMENTS**

### **1. State Public Works Apprenticeship Requirements:**

- a. The Contractor is responsible for compliance with Labor Code section 1777.5 and the California Code of Regulations, title 8, sections 230 – 239.2 for an apprenticeable occupations (denoted with “#” symbol next to craft name in DIR Prevailing Wage Determination), whether employed by the Contractor, subcontractor, vendor or consultant. Included in these requirements is (1) the Contractor’s requirement to provide notification (i.e. DAS-140) to the appropriate apprenticeship committees; (2) pay training fund contributions for each apprenticeable hour employed on the Contract; and (3) utilize apprentices in a minimum ratio of not less than one apprentice hour for each five journeyman hours by completion of Contract work (unless an exception is granted in accordance with Labor Code section 1777.5) or request for the dispatch of apprentices.
- b. Any apprentices employed to perform any of the Scope of Work shall be paid the standard wage to apprentices under the regulations of the craft or trade for which such apprentice is employed, and such individual shall be employed only for the work of the craft or trade to which such individual is registered. Only apprentices, as defined in California Labor Code section 3077, who are in training under apprenticeship standards and written apprenticeship agreements under California Labor Code sections 3070 et seq. are eligible to be employed for the Scope of Work. The employment and training of each apprentice shall be in accordance with the provisions of the apprenticeship standards and apprentice agreements under which such apprentice is training.

### **2. Compliance with [California Labor Code section 1777.5](#) requires all public works contractors to:**

- a. Submit Contract Award Information (DAS-140):
  - i. Although there are a few exemptions (identified below), all Contractors, regardless of union affiliation, must submit contract award information when performing on a California public works project.
  - ii. The DAS-140 is a notification “announcement” of the Contractor’s participation on a public works project—*it is not a request for the dispatch of an apprentice*.
  - iii. Contractors shall submit the contract award information (you may use form DAS 140) within 10 days of the execution of the prime contract or subcontract, but in no event later than the first day in which the Contractor has workers employed on the public work.

- iv. Contractors who are already approved to train apprentices (i.e. check “Box 1” on the DAS-140) shall only be required to submit the form to their approved program.
  - v. Contractors who are NOT approved to train apprentices (i.e. those that check either “Box 2” or “Box 3” on the DAS-140) shall submit the DAS-140 TO EACH of the apprenticeship program sponsors in the area of your public works project. For a listing of apprenticeship programs see <http://www.dir.ca.gov/Databases/das/pwaddrstart.asp>.
- b. Employ Registered Apprentices
- i. Labor Code section 1777.5 requires that a contractor performing work in an “apprenticeable” craft must employ one (1) hour of apprentice work for every five (5) hours performed by a journeyman. This ratio shall be met prior to the Contractor’s completion of work on the project. “Apprenticeable” crafts are denoted with a pound symbol “#” in front of the craft name on the prevailing wage determination.
  - ii. All Contractors who do not fall within an exemption category (see below) must request for dispatch of an apprentice from an apprenticeship program (for each apprenticeable craft or trade) by giving the program actual notice of at least 72 hours (business days only) before the date on which apprentices are required.
  - iii. Contractors may use the “DAS-142” form for making a request for the dispatch of an apprentice.
  - iv. Contractors who are participating in an approved apprenticeship training program and who did not receive sufficient number of apprentices from their initial request must request dispatch of apprentices from ALL OTHER apprenticeship committees in the project area in order to fulfill this requirement.
  - v. Contractor should maintain and submit proof (when requested) of its DAS-142 submittal to the apprenticeship committees (e.g. fax transmittal confirmation). A Contractor has met its requirement to employ apprentices only after it has successfully made a dispatch request to all apprenticeship programs in the project area.
  - vi. Only “registered” apprentices may be paid the prevailing apprentice rates and must, at all times work under the supervision of a Journeyman (Cal. Code Regs., tit 8, § 230.1).
- c. Make Training Fund Contributions
- i. Contractors performing in apprenticeable crafts on public works projects, must make training fund contributions in the amount established in the prevailing wage rate publication for journeymen and apprentices.
  - ii. Contractors may use the “CAC-2” form for submittal of their training fund contributions.
  - iii. Contractors who do not submit their training fund contributions to an approved apprenticeship training program must submit their contributions to the California Apprenticeship Council (CAC), PO Box 420603, San Francisco, CA 94142-0603.
  - iv. Training fund contributions to the CAC are due and payable on the 15th day of the month for work performed during the preceding month.
  - v. The “training” contribution amount identified on the prevailing wage determination shall not be paid to the worker, unless the worker falls within one of the exemption categories listed below.

**3. Exemptions to Apprenticeship Requirements:**

- a. The following are exempt from having to comply with California apprenticeship requirements. These types of contractors do not need to submit a DAS-140, DAS-142, make training fund contributions, or utilize apprentices:
  - i. When the Contractor holds a sole proprietor license (“Owner-Operator”) and no workers were employed by the Contractor. In other words, the contractor performed the entire work from start to finish and worked alone.

- ii. Contractors performing in non-apprenticeable crafts. "Apprenticeable" crafts are denoted with a pound symbol "#" in front of the craft name on the prevailing wage determination.
- iii. When the Contractor has a direct contract with the Public Agency that is under \$30,000.
- iv. When the project is 100% federally-funded and the funding of the project does not contain any city, county, and/or state monies (unless the project is administered by a state agency in which case the apprenticeship requirements apply).
- v. When the project is a private project not covered by the definition of public works as found in Labor Code section 1720.

**4. Exemption from Apprenticeship Ratios:**

- a. The Joint Apprenticeship Committee shall have the discretion to grant a certificate, which shall be subject to the approval of the Administrator of Apprenticeship, exempting the Contractor from the 1-to-5 ratio set forth in this Section when it finds that any one of the following conditions are met:
  - i. Unemployment for the previous three-month period in such area exceeds an average of fifteen percent (15%); or
  - ii. The number of apprentices in training in such area exceeds a ratio of 1-to-5 in relation to journeymen; or
  - iii. The Apprenticeable Craft or Trade is replacing at least one-thirtieth (1/30) of its journeymen annually through apprenticeship training, either on a statewide basis or on a local basis; or
  - iv. If assignment of an apprentice to any work performed under the Contract Documents would create a condition which would jeopardize such apprentice's life or the life, safety or property of fellow employees or the public at large, or if the specific task to which the apprentice is to be assigned is of such a nature that training cannot be provided by a journeyman.
- b. When such exemptions from the 1-to-5 ratio between apprentices and journeymen are granted to an organization which represents contractors in a specific trade on a local or statewide basis, the member contractors will not be required to submit individual applications for approval to local Joint Apprenticeship Committees, provided they are already covered by the local apprenticeship standards.

**5. Contractor's Compliance:**

- a. The responsibility of compliance with this Section for all Apprenticeable Trades or Crafts is solely and exclusively that of the Contractor. All decisions of the Joint Apprenticeship Committee made under this Section are subject to the provisions of California Labor Code section 3081 and penalties are pursuant to Labor Code section 1777.7 and the determination of the Labor Commissioner.

NOT FOR BID