

CITY OF TORRANCE, CALIFORNIA

ADDENDUM NO. 1
Issued: February 17, 2012

TO

**PROPOSAL, SPECIFICATIONS, BOND AND
AFFIDAVIT FOR THE CONSTRUCTION
OF
WESTERN AVENUE AND ROLLING HILLS ROAD WATER MAIN REPLACEMENT
PROJECT, CIP No. I-107 AND RECYCLED WATER RETROFITS FOR ANZA
AVENUE MEDIANS AND PARKS PROJECT, CIP No. I-78
B2012-01**

Note the following changes and/or additions to the Plans and Specifications for the project indicated above. The bidder shall execute the Certification at the end of this addendum, and shall **attach all pages of this addendum to the Contract Documents submitted with the Bid.** In addition, the bidder shall complete and submit the "Acknowledgment of Addenda Received" Form provided in Section C of the Specifications.

1. Refer to **Specifications SECTION A – NOTICE OF INVITING BIDS.**

The City has delayed by three (3) weeks the date to open bids. Consequently, the first paragraph is hereby revised as follows:

"Notice is hereby given that sealed bids for performing the following described work will be received at the Office of the City Clerk of the City of Torrance, California, **until 2:00 p.m. on Thursday, ~~February 23, 2012~~ March 15, 2012,** after which time they will be publicly opened and read at 2:15 p.m. in the Council Chambers of said City."

2. Refer to **Appendix II – CITY OF TORRANCE STANDARD PLANS**

Add

Standard No: T 102-2 Typical Section Local Street

T 103-2 Typical Section Collector and Arterial Street Sheet 1 of 2,

T 103-2 Typical Section Collector and Arterial Street Sheet 2 of 2,

T 116-2 Trench Backfill & Pavement Repairs Sheet 1 of 4

T 116-2 Trench Backfill & Pavement Repairs Sheet 2 of 4

T 116-2 Trench Backfill & Pavement Repairs Sheet 3 of 4

T 116-2 Trench Backfill & Pavement Repairs Sheet 4 of 4

3. Refer to **Appendix IV – CALTRANS PERMIT**

Add Caltrans Permit

By Order of the Public Works Director
ROBERT J. BESTE

A handwritten signature in black ink, appearing to read "John C. Dettle", with a long horizontal stroke extending to the right.

JOHN C. DETTLE, P.E.
Engineering Manager

BIDDER'S CERTIFICATION

I acknowledge receipt of the foregoing Addendum No. 1 and accept all conditions contained therein.

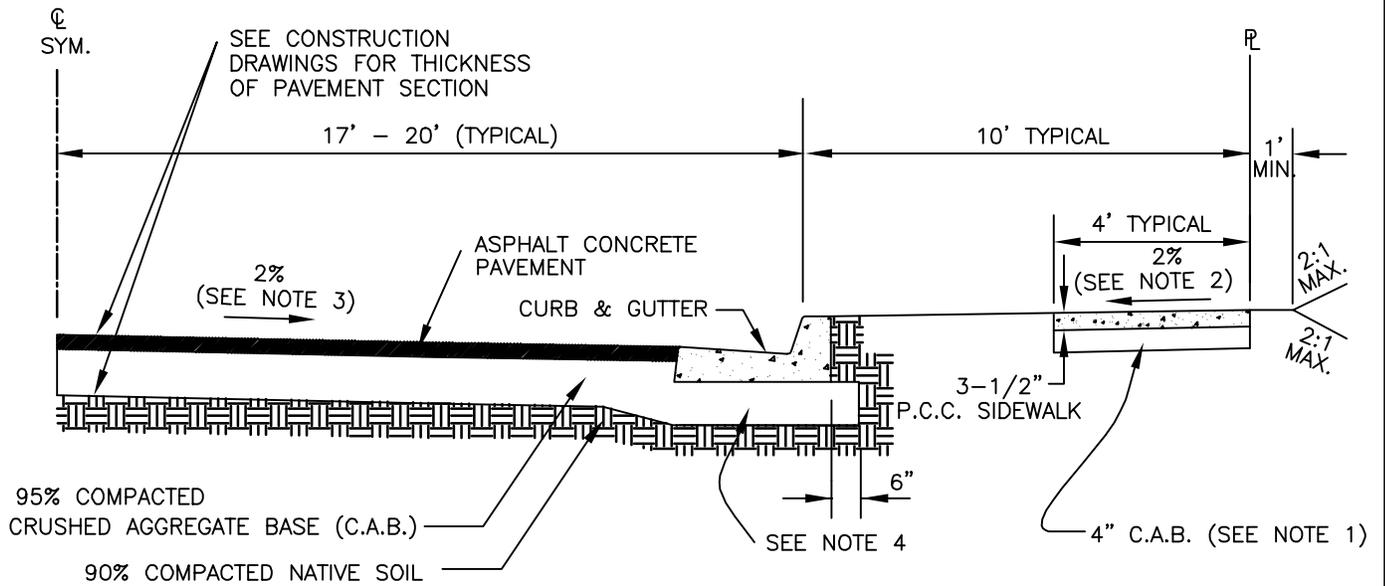
Bidder

By

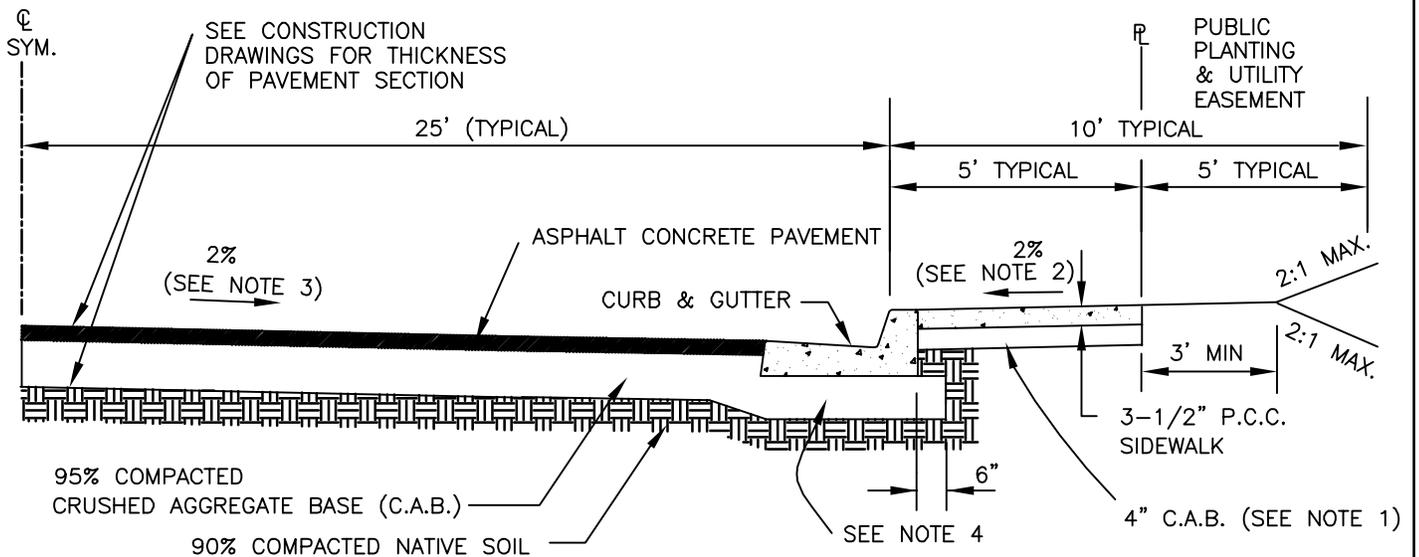
Date

******* Submit this executed form with the bid *******

**Please fill out and submit the
"Acknowledgment of Addenda Received" form
provided in Section C of the Specifications.**



RESIDENTIAL STREET



INDUSTRIAL STREET

NOTES:

1. THE BASE MAY BE OMITTED UNDER SIDEWALK IF SUBGRADE IS SANDY SOIL.
2. TYPICAL - MAY VARY 0.5% MIN. TO 2.0% MAX TO MATCH EXISTING CONDITIONS AND TO FACILITATE JOINS.
3. TYPICAL - MAY VARY 1% MIN. TO 4.0% MAX TO MATCH EXISTING CONDITONS AND TO FACILITATE JOINS.
4. THICKNESS OF BASE REQUIRED UNDER CURB & GUTTER SHALL BE 8" ON CLAYEY SOILS AND 6" ON SANDY SOILS.

CITY OF TORRANCE - ENGINEERING DEPARTMENT

DATE ISSUED
16 NOV 1998

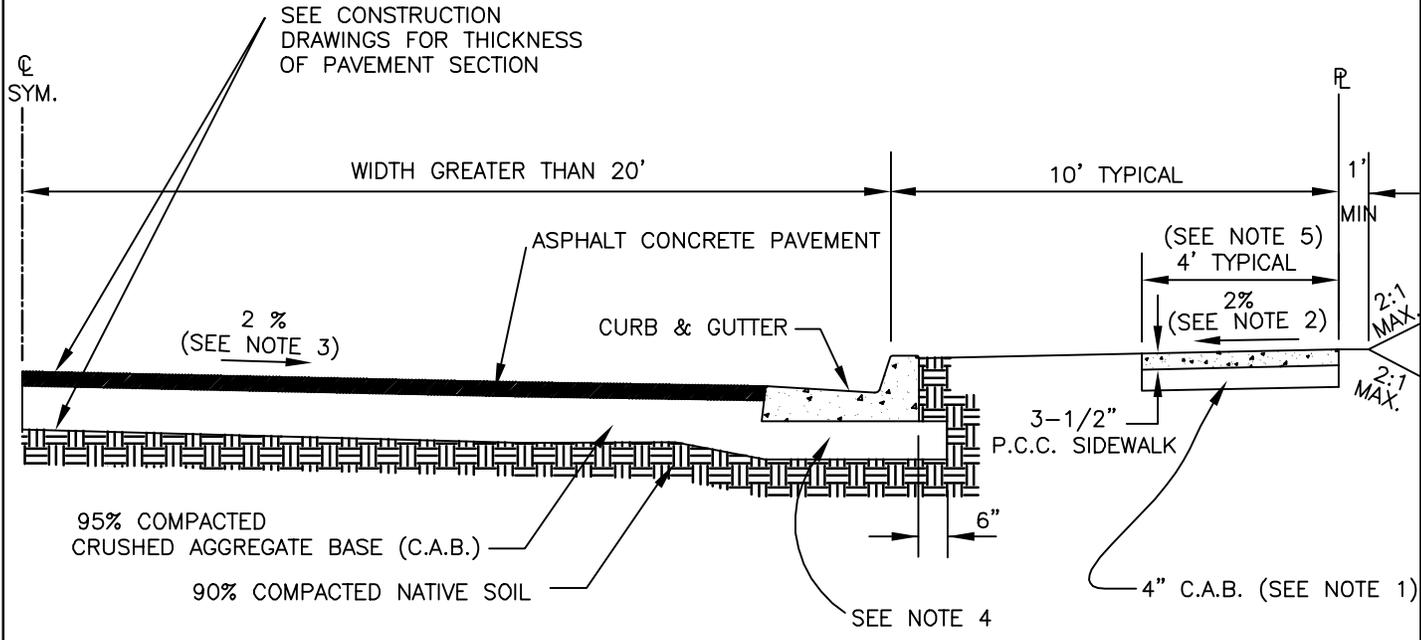
**TYPICAL SECTION
LOCAL STREET**

STANDARD NO.
T102-2

RICHARD W. BURTT
ENGINEERING DIRECTOR
R.C.E. NO. 32862

SHEET 1 OF 1

DV/TT/T102-2



COLLECTOR

NOTES:

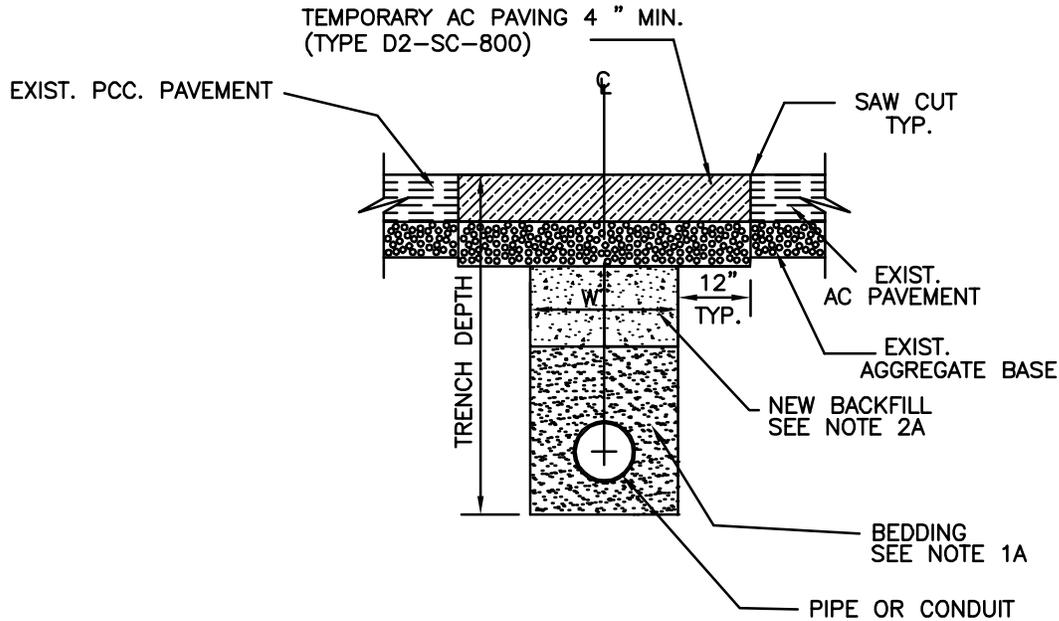
1. THE BASE MAY BE OMITTED UNDER SIDEWALK IF SUBGRADE IS SANDY SOIL.
2. TYPICAL - MAY VARY 0.5% MIN. TO 2% MAX TO MATCH EXISTING CONDITIONS AND TO FACILITATE JOINS.
3. TYPICAL - MAY VARY 1% MIN. TO 4.0% MAX TO MATCH EXISTING CONDITIONS AND TO FACILITATE JOINS.
4. THICKNESS OF BASE REQUIRED UNDER CURB & GUTTER SHALL BE 8" ON CLAYEY SOILS AND 6" ON SANDY SOIL.
5. IF SIDEWALK IS ADJACENT TO CURB, SIDEWALK WIDTH SHALL BE 5' MINIMUM AND HAVE 4' CLEAR AROUND ANY OBSTRUCTION. ALSO SEE T108 AND T109.

CITY OF TORRANCE - ENGINEERING DEPARTMENT

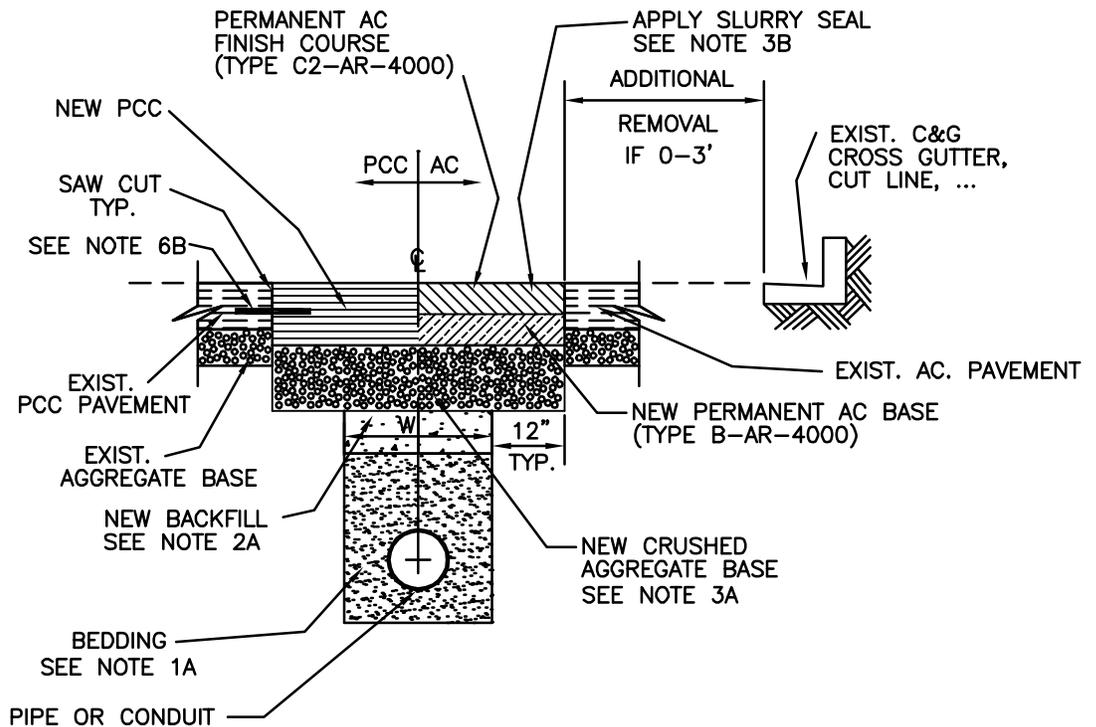
DATE ISSUED	TYPICAL SECTION	STANDARD NO.
16 NOV 1998	COLLECTOR AND ARTERIAL STREET	T103-2
	RICHARD W. BURTT ENGINEERING DIRECTOR R.C.E. NO. 32862	SHEET 1 OF 2

Richard W. Burt

TT/T103-21



TEMPORARY ASPHALT REPAIR



PERMANENT TRENCH REPAIR

**TYPICAL TRENCH SECTION WITHIN ROADWAY
(SEE NOTE 8C FOR EXCEPTION)**

CITY OF TORRANCE - ENGINEERING DEPARTMENT

TT\T116-2

DATE ISSUED
10 SEP 2002

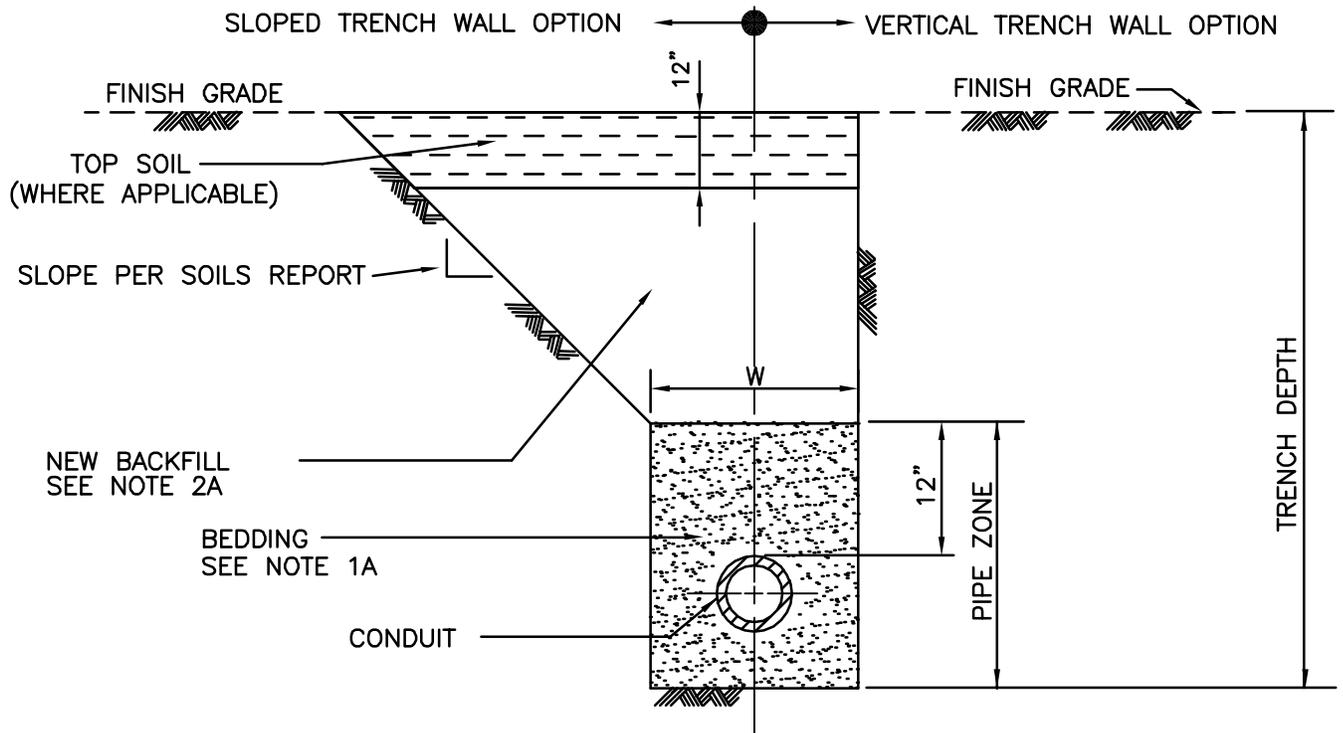
TRENCH BACKFILL & PAVEMENT REPAIRS

RICHARD W. BURTT
ENGINEERING DIRECTOR
R.C.E. NO. 32862
R.T.E. NO. 1538

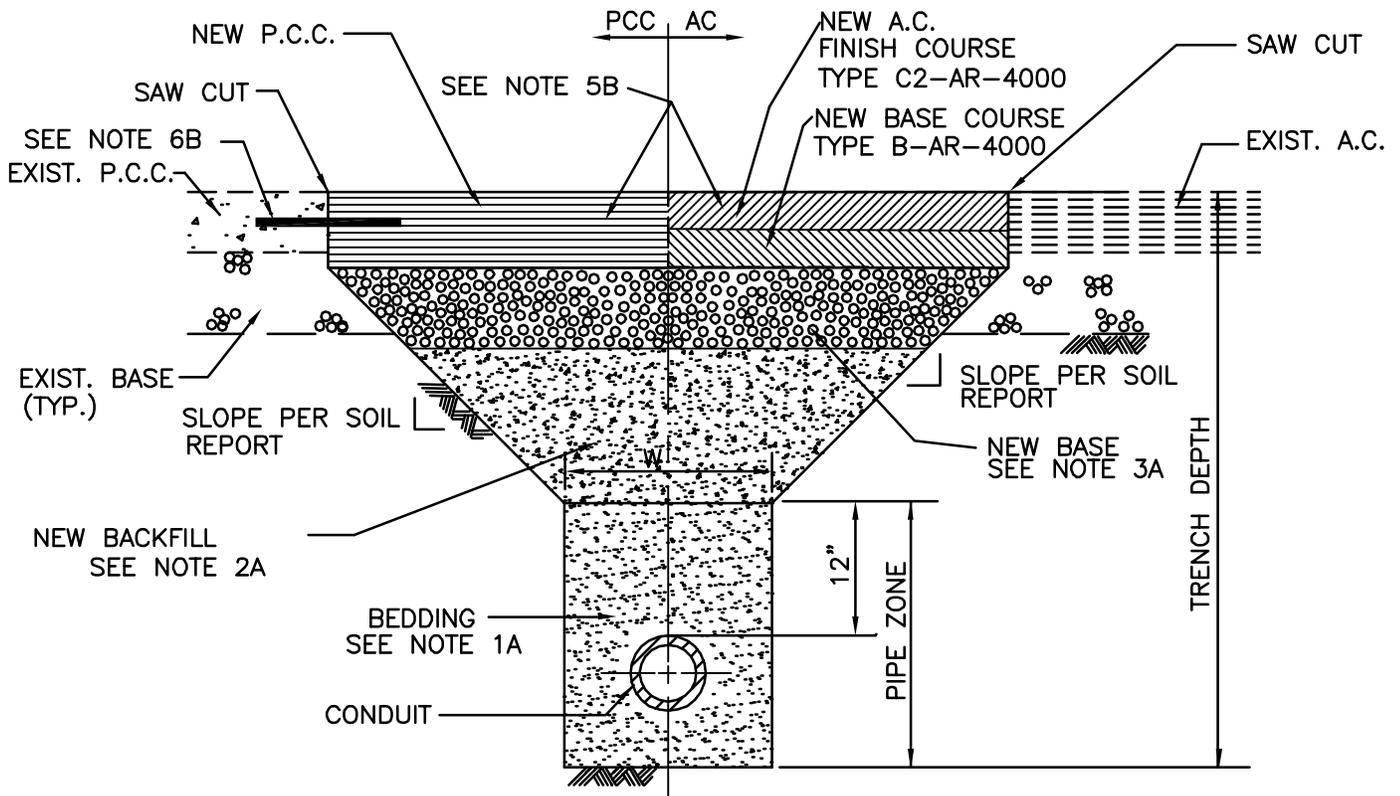
STANDARD NO.

T116-2

SHEET 1 OF 4



TYPICAL TRENCH SECTION OUTSIDE ROADWAY



**TYPICAL TRENCH SECTION WITHIN ROADWAY
SLOPED TRENCH WALL OPTION**

CITY OF TORRANCE - ENGINEERING DEPARTMENT

TT\T116-2

DATE ISSUED
10 SEP 2002

TRENCH BACKFILL & PAVEMENT REPAIRS

RICHARD W. BURTT
ENGINEERING DIRECTOR
R.C.E. NO. 32862
R.T.E. NO. 1538

STANDARD NO.

T116-2

SHEET 2 OF 4

NOTES:

BELOW GROUND:

1A. SEE STD. PLAN NO'S T204, T302, AND T701 FOR BEDDING REQUIREMENTS.

2A. FOR TRENCHES WITH "W" GREATER THAN 2' OR IF TRENCH WALLS ARE SLOPED, BACKFILL SHALL BE CRUSHED AGGREGATE BASE, OR NATIVE OR OTHER EXCAVATION MATERIAL WITH AN SE VALUE OF 30 OR GREATER. BACKFILL MATERIAL SHALL BE DENSIFIED TO A RELATIVE COMPACTION OF 95% IN THE UPPER 3 FEET AND TO 90% BELOW THE UPPER 3 FEET. FOR TRENCHES LONGER THAN 200' OR LARGER THAN 1,000 SQUARE FEET A LICENSED SOILS ENGINEER SHALL BE PRESENT TO MONITOR THE NATIVE OR IMPORTED BACKFILL OPERATION AND TEST FOR COMPACTION AT 100' OR 200 SQUARE FOOT MAXIMUM INTERVALS

FOR TRENCHES WITH "W" LESS THAN OR EQUAL TO 2' IN THE ROADWAY, A SAND-CEMENT SLURRY (100-E-100) BACKFILL SHALL BE USED. SLURRY SHALL CURE 16 HOURS MINIMUM PRIOR TO BASE PLACEMENT. RAPID SET CEMENT SLURRY SHALL CURE 1 HOUR MINIMUM PRIOR TO BASE PLACEMENT.

IN AREAS NOT IN EXISTING ROADWAY, BACKFILL SHALL BE COMPACTED TO A RELATIVE COMPACTION OF 90%.

3A. NEW CRUSHED AGGREGATE BASE SHALL BE 2" THICKER THAN EXISTING BASE, BUT NOT LESS THAN 8" THICK.

4A. EXCAVATED MATERIAL NOT APPROVED FOR USE IN TRENCH BACKFILL SHALL BE REMOVED FROM JOB SITE UNLESS OTHERWISE USED IN THE WORK.

5A. WHERE WET, UNSTABLE OR RUNNING SOIL IS ENCOUNTERED, SOLID SHEATHING IS REQUIRED FOR ALL VERTICAL TRENCH WALLS.

6A. ANY SHORING REQUIRED SHALL BE DESIGNED BY A REGISTERED CIVIL OR STRUCTURAL ENGINEER.

7A. "W" SHALL BE MEASURED AT TOP OF BEDDING.

VISIBLE SURFACE:

1B. IF REMAINING AC PAVEMENT BETWEEN EDGE OF TRENCH AND EXISTING GUTTER, CURB, CROSS GUTTER, OR CUT LINE IS LESS THAN 3 FEET IN WIDTH, THEN THIS AC SHALL BE REMOVED AND REPLACED WITH NEW AC PAVEMENT.

2B. THE ENGINEER MAY REQUIRE WIDER REMOVAL AREA THAN THAT SHOWN ABOVE TO SUIT FIELD CONDITIONS.

3B. CRACKS SHALL BE SEALED AND A TYPE 2 SLURRY SEAL COATING WITH 2% LATEX SHALL BE APPLIED FROM LANE LINE TO LANE LINE FOR LONGITUDINAL TRENCHES GREATER THAN 200' IN LENGTH FOR ANY LANE AFFECTED.

4B. THE THICKNESS OF REPLACEMENT ASPHALT SHALL BE A MINIMUM OF 1" GREATER THAN EXISTING AC (2" GREATER IF EXISTING STREET IS PAVED WITH RUBBERIZED AC) BUT NOT LESS THAN 4" (5" FOR RUBBERIZED AC). IF EXISTING PAVEMENT IS PCC, REPLACEMENT CONCRETE SHALL BE AS PER SECTION 201.1 OF THE STANDARD SPECS AND 1" THICKER THAN EXISTING.

CITY OF TORRANCE - ENGINEERING DEPARTMENT

DATE ISSUED

10 SEP 2002

TRENCH BACKFILL & PAVEMENT REPAIRS

RICHARD W. BURTT
ENGINEERING DIRECTOR
R.C.E. NO. 32862
R.T.E. NO. 1538



STANDARD NO.

T116-2

SHEET 3 OF 4

TT\T116-2

5B. THE NEW FINISH COURSE SHALL BE PLACED FLUSH WITH THE EXISTING ADJACENT PAVING SURFACE – MAXIMUM VARIANCE FROM FLUSH IS 1/8". NEW AC PAVEMENT ADJACENT TO EXISTING EDGE OF PCC GUTTER SHALL BE 3/8" HIGHER THAN EDGE OF GUTTER.

6B. FOR PCC ROADWAY PAVEMENT, DOWEL AT 24" O.C., #4 DEFORMED BAR, 6" EMBEDMENT, AND CENTERED IN EXISTING SLAB WITH 1-1/2" MINIMUM CONCRETE COVER. DOWEL SHALL BE EPOXIED IN EXISTING SLAB AND CAST IN NEW SLAB.

METHODOLOGY:

1C. AT THE END OF EACH WORK DAY, ANY TRENCH IN AN ARTERIAL OR IN ROLLING HILLS ROAD, MAPLE/235TH ST. OR ARLINGTON AVE. SHALL BE COVERED BY NON-SKID STEEL PLATES OR BE PAVED WITH TEMPORARY OR PERMANENT PAVEMENT FLUSH WITH ADJACENT PAVEMENT SURFACES. WHEN NON-SKID STEEL PLATES ARE USED, THEY SHALL BE WELDED, SECURED IN PLACE, RAMPED WITH AC, AND NOT USED FOR MORE THAN 48 CONSECUTIVE HOURS ON THE SAME SEGMENT OF TRENCH. "PLATE AHEAD" SIGN SHALL BE PROPERLY INSTALLED WHEN PLATES ARE IN USE. OTHER CITY STREETS MAY HAVE LESSER REQUIREMENTS AND WILL BE CONSIDERED ON A CASE BY CASE BASIS.

2C. ALL TRAFFIC LANES SHALL BE CLEANED AND RESTORED FOR USE IMMEDIATELY UPON PLACEMENT OF TEMPORARY AC PAVEMENT, TRENCH PLATES AND/OR FINAL AC PAVEMENT.

3C. ALL TRAFFIC STRIPING AND/OR MARKINGS REMOVED OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED IN KIND AS DIRECTED BY THE ENGINEER.

4C. TRAFFIC CONTROL SHALL BE PER CITY OF TORRANCE "CONSTRUCTION TRAFFIC CONTROL PROCEDURES ON CITY STREETS" AVAILABLE FROM THE ENGINEERING DEPARTMENT PERMIT COUNTER.

5C. MORATORIUM FOR CUTTING NEW OR RECONSTRUCTED STREETS IS 5 YEARS WITHOUT SPECIAL APPROVAL FROM THE ENGINEERING DIRECTOR. NEW UTILITY SERVICE CONNECTIONS AND SERVICE LINE REPAIRS ARE EXCEPTED IF NOT ABLE TO BE FORSEEN AT THE TIME THE ROADWAY WAS RECONSTRUCTED. APPROVED LONGITUDINAL EXCAVATIONS IN NEW STREETS SHALL REQUIRE THE FULL LANE TO BE GROUND AND OVERLAID.

6C. SLURRY SEALING OF TRENCH AREA MAY BE OMITTED IF PROJECT IS COORDINATED WITHIN ONE YEAR OF A CITY STREET REHABILITATION OR SLURRY SEAL PROJECT.

7C. A COLLECTION DEVICE SHALL BE USED TO COLLECT SEDIMENTS GENERATED DURING SAWCUTTING OPERATION.

8C. TRENCHES WITH "W" LESS THAN 8" WIDE AND LESS THAN OR EQUAL TO 24" DEEP ARE NOT REQUIRED TO USE T-SECTION PAVEMENT CONSTRUCTION, OR APPLY SLURRY SEAL.

9C. ALL PAVEMENT REMOVALS SHALL USE STRAIGHT LINE SAW CUTS A MINIMUM OF 1.5" DEEP.

10C. BORING SHALL BE CONSIDERED AS A CONTINUOUS TRENCH AS FAR AS EXCAVATION REPAIR. POTHOLES LOCATED INTERMITTENTLY WILL NOT BE TREATED AS SEPARATE EXCAVATIONS BUT AS A CONTINUOUS EXCAVATION. THE CITY SHALL RESERVE THE RIGHT TO REQUIRE BORING OR OPEN TRENCH AS THE SITUATION MAY ARISE.

CITY OF TORRANCE - ENGINEERING DEPARTMENT

DATE ISSUED

27 SEP 2002

TRENCH BACKFILL & PAVEMENT REPAIRS

RICHARD W. BURTT
ENGINEERING DIRECTOR
R.C.E. NO. 32862
R.T.E. NO. 1538



STANDARD NO.

T116-2

SHEET 4 OF 4

TT\T116-2

STATE OF CALIFORNIA · DEPARTMENT OF TRANSPORTATION
ENCROACHMENT PERMIT
 TR-0120 (REV 6/2007)

Permit No. 711-NUS-1528	
Dist/Co/Rte/PM 07-LA-213-7.99/9.84	
Date December 7, 2011	
Fee Paid \$ Exempt	Deposit \$
Performance Bond Amount (1) \$	Payment Bond Amount (2) \$
Bond Company	
Bond Number (1)	Bond Number (2)

In compliance with (Check one):

- Your application of August 11, 2011
- Utility Notice No. _____ of _____
- Agreement No. _____ of _____
- RW Contract No. _____ of _____

TO: City of Torrance
 c/o RBF Consulting
 14725 Alton Parkway
 Irvine, California 92618

Attn: David P. Brandt
 Phone: (949) 855-5700

, PERMITTEE

and subject to the following, PERMISSION IS HEREBY GRANTED to:

encroach within the State's right of way for the purpose of installation of 4,200 LF of 12-in. ductile iron pipe (DIP) along Route 213 (Western Avenue) between Del Amo Boulevard and 100th Street due to a City sponsored water main replacement project, in the city of Torrance; all in accordance with current State specifications and standard plans, the attached special provisions, and permit plans dated December 7, 2011.

Permittee shall contact State permit inspector, Mr. Larry Tokuyama at (310) 609-0351, between the hours of 0700 and 0900, a minimum of 10 working days prior to the initial start of work to arrange a pre-construction meeting to ensure a complete understanding of the work and permit requirements. A confirmation notification should occur three days prior to closure or other potential traffic impacts.

THIS PERMIT IS NOT A PROPERTY RIGHT AND DOES NOT TRANSFER WITH THE PROPERTY TO A NEW OWNER.

The following attachments are also included as part of this permit (Check appropriate):

- Yes No General Provisions
- Yes No Utility Maintenance Provisions
- Yes No Special Provisions **A, B, C, Q, and T**
- Yes No A Cal-OSHA Permit, if required: Permit No. TBD
- Yes No As-Built Plans Submittal Route Slip for Locally Advertised Projects
- Yes No Storm Water Pollution Prevention Plan

In addition to fee, the permittee will be billed actual cost for:

- Yes No Review
- Yes No Inspection
- Yes No Field Work

(If any Caltrans effort expended)

Yes No The information in the environmental documentation has been reviewed and considered prior to approval of this permit.

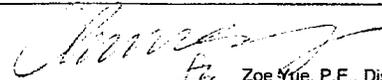
This permit is void unless work is completed before _____

This permit is to be strictly construed and no other work than specifically mentioned is hereby authorized.

No project work shall be commenced until all other necessary permits and environmental clearances have been obtained.

cc: South Region
 L. Tokuyama, Insp.
 E. Delano, SW, Info.
 File

APPROVED:



Zoe Yee, P.E., District Permit Engineer

BY:



Paul Shin, P.E., Permit Engineer

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
STANDARD ENCROACHMENT PERMIT APPLICATION
 TR-0100 (REV. 07/2007)

Permission is requested to encroach on the State Highway right-of-way as follows:
 (Complete all BOXES [write N/A if not applicable])
 This application is not complete until all requirements have been approved.

FOR CALTRANS USE	
PERMIT NO.	711-A US-1528
DIST./CORTE/PM	7-LA-213-7.98/9.84
SIMPLEX STAMP	
1528	
DATE OF SIMPLEX STAMP	
08/11/11	

1. COUNTY Los Angeles		2. ROUTE SR-213		3. POSTMILE 7.98/9.84	
4. ADDRESS OR STREET NAME SR-213 (Western Avenue)				5. CITY Torrance	
6. CROSS STREET (Distance and direction from site) Del Amo Blvd. to W. 190th St.				7. PORTION OF RIGHT-OF-WAY Entire R/W	
8. WORK TO BE PERFORMED BY <input type="checkbox"/> OWN FORCES <input checked="" type="checkbox"/> CONTRACTOR			9. EST. START DATE 10/01/2011		10. EST. COMPLETION DATE 3/31/2012
11. EXCAVATION	MAX. DEPTH 12'	AVG. DEPTH N/A	AVG. WIDTH 3'	LENGTH N/A	SURFACE TYPE Asphalt, Dirt
12. EST. COST IN STATE HIGHWAY RIGHT-OF-WAY N/A				13. FUNDING SOURCE(S) <input type="checkbox"/> FEDERAL <input type="checkbox"/> STATE <input checked="" type="checkbox"/> LOCAL <input type="checkbox"/> PRIVATE	
13. PIPES	PRODUCT TYPE Ductile Iron Pipe		DIAMETER 12"	VOLTAGE / PSIG N/A	14. CALTRANS PROJECT E.A. NUMBER N/A
15. <input type="checkbox"/> Double Permit Parent Permit Number _____ Applicant's Reference Number / Utility Work Order Number 10-107269.001					

16. Have your plans been reviewed by another Caltrans branch? NO YES (If "YES") Who? _____

17. Completely describe work to be done within STATE highway right-of-way :
 Attach 6 complete sets of FOLDED plans (folded 8.5" x 11"), and any applicable specifications, calculations, maps, etc.
 All dimensions shall be in U.S. Customary (English) Units.

Requesting an encroachment permit to install approximately 4,200 LF of 12" ductile iron pipe (DIP) within S. Western Avenue (SR-213), from Del Amo Boulevard to 190th Street. Traffic impacts are addressed in the attached traffic control plans. A duration of 6 (six) months is requested.

*So. legion
Tokuyama, Insp.*

18. Is a city, county, or other agency involved in the approval of this project?
 YES (If "YES", check type of project and attach environmental documentation and conditions of approval.)
 COMMERCIAL DEVELOPMENT BUILDING GRADING OTHER Water main replacement
 CATEGORICALLY EXEMPT NEGATIVE DECLARATION ENVIRONMENTAL IMPACT REPORT OTHER _____

NO (If "NO", please check the category below which best describes the project, and complete page 4 of this application.)
 DRIVEWAY OR ROAD APPROACH, RECONSTRUCTION, MAINTENANCE, OR RESURFACING FENCE
 PUBLIC UTILITY MODIFICATIONS, EXTENSIONS, HOOKUPS MAILBOX
 FLAGS, SIGNS, BANNERS, DECORATIONS, PARADES AND CELEBRATIONS EROSION CONTROL
 OTHER _____ LANDSCAPING

RECEIVED

AUG 11 2011

OFFICE OF PERMIT

19. Will this project cause a substantial change in the significance of a historical resource (45 years or older), or cultural resource? YES NO
 (If "YES", provide a description)

20. Is this project on an existing highway or street where the activity involves removal of a scenic resource including a significant tree or stand of trees, a rock outcropping or a historic building? YES NO (If "YES", provide a description)

21. Is work being done on applicant's property? YES NO (If "YES", attach site and grading plans.)

ADA NOTICE: For individuals with sensory disabilities, this document is available in alternate formats. For information call (916) 654-6410 or TDD (916) 654-3880 or write to Records and Forms Management, 1120 N Street, MS-89, Sacramento, CA 95814

City of Torrance

STANDARD ENCROACHMENT PERMIT APPLICATION

TR-0100 (REV. 07/2007)

PERMIT NO.

711-15-152

22. Will this proposed project require the disturbance of soil? YES NO
 If "YES", estimate the area within State Highway right-of-way in square feet AND acres: 12,600 (ft²) AND .289 (acres)
 estimate the area outside of State Highway right-of-way in square feet AND acres: 2,100 (ft²) AND .048 (acres)

23. Will this proposed project require dewatering? YES NO
 If "YES", estimate total gallons AND gallons/month: _____ (gallons) AND _____ (gallons/month)
 SOURCE*: STORMWATER NON-STORMWATER
 (*See Caltrans SWMP for definitions of non-storm water discharge: <http://www.dot.ca.gov/hq/env/stormwater/index.htm>)

24. How will any storm water or ground water be disposed of from within or near the limits of this proposed project?
 Storm Drain System Combined Sewer / Storm System Storm Water Retention Basin
 Other (explain): _____

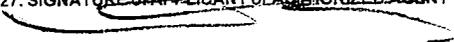
PLEASE READ THE FOLLOWING CLAUSES PRIOR TO SIGNING THIS ENCROACHMENT PERMIT APPLICATION.

The applicant, understands and herein agrees to that an encroachment permit can be denied, and/or a bond required for non-payment of prior or present encroachment permit fees. Encroachment Permit fees may still be due when an application is withdrawn or denied, and that a denial may be appealed, in accordance with the California Streets and Highways Code, Section 671.5. All work shall be done in accordance with Caltrans rules and regulations subject to inspection and approval.

The applicant, understands and herein agrees to the general provisions, special provisions and conditions of the encroachment permit, and to indemnify and hold harmless the State, its officers, directors, agents, employees and each of them (Indemnitees) from and against any and all claims, demands, causes of action, damages, costs, expenses, actual attorneys' fees, judgments, losses and liabilities of every kind and nature whatsoever (Claims) arising out of or in connection with the issuance and/or use of this encroachment permit and the placement and subsequent operation and maintenance of said encroachment for: 1) bodily injury and/or death to persons including but not limited to the Applicant, the State and its officers, directors, agents and employees, the Indemnitees, and the public; and 2) damage to property of anyone. Except as provided by law, the indemnification provisions stated above shall apply regardless of the existence or degree of fault of Indemnitees. The Applicant, however, shall not be obligated to indemnify Indemnitees for Claims arising from the sole negligence and willful misconduct of State, its officers, directors, agents or employees.

DISCHARGES OF STORM WATER AND NON-STORM WATER: Work within State Highway right-of-way shall be conducted in compliance with all applicable requirements of the National Pollutant Discharge Elimination System (NPDES) permit issued to the Department of Transportation (Department), to govern the discharge of storm water and non-storm water from its properties. Work shall also be in compliance with all other applicable Federal, State and Local laws and regulations, and with the Department's Encroachment Permits Manual and encroachment permit. Compliance with the Department's NPDES permit requires amongst other things, the preparation and submission of a Storm Water Pollution Protection Plan (SWPPP), or a Water Pollution Control Program (WPCP), and the approval of same by the appropriate reviewing authority prior to the start of any work. Information on the requirements may also be reviewed on the Department's Construction Website at:

<http://www.dot.ca.gov/hq/construc/stormwater1.htm>

25. NAME of APPLICANT or ORGANIZATION (Print or Type) John Dettle, P.E. / City of Torrance		E-MAIL ADDRESS jdettle@torranceca.gov	
ADDRESS of APPLICANT or ORGANIZATION WHERE PERMIT IS TO BE MAILED (Include City and Zip Code) 20500 Madrona Avenue, Torrance, CA 90503 (please contact David Brandt when permit is issued).			
PHONE NUMBER 310.781.6900		FAX NUMBER 310.781.6902	
26. NAME of AUTHORIZED AGENT / ENGINEER (Print or Type) David P. Brandt / RBF Consulting		IS LETTER OF AUTHORIZATION ATTACHED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	E-MAIL ADDRESS dbrandt@rbf.com
ADDRESS of AUTHORIZED AGENT / ENGINEER (Include City and Zip Code) 14725 Alton Parkway, Irvine, CA 92618			
PHONE NUMBER 949.855.5700		FAX NUMBER 949.330.4130	
27. SIGNATURE of APPLICANT or AUTHORIZED AGENT 		28. PRINT OR TYPE NAME David P. Brandt	29. TITLE Project Coordinator
		30. DATE 08/01/2011	

RECEIVED

AUG 1 1 2011

OFFICE OF PERMIT

PERMIT NO. 711-NUS-152A
WORK ORDER/REFERENCE NUMBER

FEE CALCULATION -- FOR CALTRANS USE						
<input type="checkbox"/> CASH <input type="checkbox"/> CREDITCARD NAME ON CARD _____ PHONE NUMBER _____ <input type="checkbox"/> CHECK NUMBER _____ NAME ON CHECK _____ PHONE NUMBER _____ <input checked="" type="checkbox"/> EXEMPT <input type="checkbox"/> PROJECT EA _____ <input type="checkbox"/> DEFERRED BILLING (Utility)						
CALCULATED BY		(1) <i>P. Shin</i>		(2)		
REVIEW		1. FEE / DEPOSIT	DATE	2. FEE / DEPOSIT	DATE	TOTAL FEE / DEPOSIT
1. <u>28</u> HOURS @ \$ <u>82</u> *		\$ <u>2,296</u> -	<u>8/11/11</u>	\$ _____		\$ _____
2. _____ HOURS @ \$ _____ *				\$ _____		\$ _____
INSPECTION		1. FEE / DEPOSIT	DATE	2. FEE / DEPOSIT	DATE	TOTAL FEE / DEPOSIT
1. <u>50</u> HOURS @ \$ <u>82</u> *		\$ <u>4,100</u> -	<u>8/11/11</u>	\$ _____		\$ _____
2. _____ HOURS @ \$ _____ *				\$ _____		\$ _____
FIELDWORK						
_____ HOURS @ \$ _____ *		\$ _____		\$ _____		\$ _____
EQUIPMENT & MATERIALS		DEPOSIT	DATE	DEPOSIT	DATE	DEPOSIT
		\$ _____		\$ _____		\$ _____
CASH DEPOSIT IN LIEU OF BOND		\$ _____		\$ _____		\$ _____
TOTAL COLLECTED		\$ <u>6,396</u> -		\$ _____		
CASHIER'S INITIALS		<i>Exempt</i>		_____		\$ _____
* The current hourly rate is set annually by Headquarters Accounting. District Office staff do not have authority to modify this rate.						
PERFORMANCE BOND		<input type="checkbox"/>	DATE	AMOUNT		\$
PAYMENT BOND		<input type="checkbox"/>	DATE	AMOUNT		\$
LIABILITY INSURANCE REQUIRED?			<input type="checkbox"/> YES <input type="checkbox"/> NO	AMOUNT		\$

RECEIVED
 AUG 11 2011
 OFFICE OF PERMIT

STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION
ENCROACHMENT PERMIT GENERAL PROVISIONS
TR-0045 (REV. 05/2007)

1. **AUTHORITY:** The Department's authority to issue encroachment permits is provided under, Div. 1, Chpt 3, Art. 1, Sect. 660 to 734 of the Streets and Highways Code.
2. **REVOCATION:** Encroachment permits are revocable on five days notice unless otherwise stated on the permit and except as provided by law for public corporations, franchise holders, and utilities. These General Provisions and the Encroachment Permit Utility Provisions are subject to modification or abrogation at any time. Permittees' joint use agreements, franchise rights, reserved rights or any other agreements for operating purposes in State highway right of way are exceptions to this revocation.
3. **DENIAL FOR NONPAYMENT OF FEES:** Failure to pay permit fees when due can result in rejection of future applications and denial of permits.
4. **ASSIGNMENT:** No party other than the permittee or permittee's authorized agent is allowed to work under this permit.
5. **ACCEPTANCE OF PROVISIONS:** Permittee understands and agrees to accept these General Provisions and all attachments to this permit, for any work to be performed under this permit.
6. **BEGINNING OF WORK:** When traffic is not impacted (see Number 35), the permittee shall notify the Department's representative, two (2) days before the intent to start permitted work. Permittee shall notify the Department's Representative if the work is to be interrupted for a period of five (5) days or more, unless otherwise agreed upon. All work shall be performed on weekdays during regular work hours, excluding holidays, unless otherwise specified in this permit.
7. **STANDARDS OF CONSTRUCTION:** All work performed within highway right of way shall conform to recognized construction standards and current Department Standard Specifications, Department Standard Plans High and Low Risk Facility Specifications, and Utility Special Provisions. Where reference is made to "Contractor and Engineer," these are amended to be read as "Permittee and Department representative."
8. **PLAN CHANGES:** Changes to plans, specifications, and permit provisions are not allowed without prior approval from the State representative.
9. **INSPECTION AND APPROVAL:** All work is subject to monitoring and inspection. Upon completion of work, permittee shall request a final inspection for acceptance and approval by the Department. The local agency permittee shall not give final construction approval to its contractor until final acceptance and approval by the Department is obtained.
10. **PERMIT AT WORKSITE:** Permittee shall keep the permit package or a copy thereof, at the work site and show it upon request to any Department representative or law enforcement officer. If the permit package is not kept and made available at the work site, the work shall be suspended.
11. **CONFLICTING ENCROACHMENTS:** Permittee shall yield start of work to ongoing, prior authorized, work adjacent to or within the limits of the project site. When existing encroachments conflict with new work, the permittee shall bear all cost for rearrangements, (e.g., relocation, alteration, removal, etc.).
12. **PERMITS FROM OTHER AGENCIES:** This permit is invalidated if the permittee has not obtained all permits necessary and required by law, from the Public Utilities Commission of the State of California (PUC), California Occupational Safety and Health Administration (Cal-OSHA), or any other public agency having jurisdiction.
13. **PEDESTRIAN AND BICYCLIST SAFETY:** A safe minimum passageway of 4' shall be maintained through the work area at existing pedestrian or bicycle facilities. At no time shall pedestrians be diverted onto a portion of the street used for vehicular traffic. At locations where safe alternate passageways cannot be provided, appropriate signs and barricades shall be installed at the limits of construction and in advance of the limits of construction at the nearest crosswalk or intersection to detour pedestrians to facilities across the street. Attention is directed to Section 7-1.09 Public Safety of the Department Standard Specifications.
14. **PUBLIC TRAFFIC CONTROL:** As required by law, the permittee shall provide traffic control, protection warning signs, lights, safety devices, etc., and take all other measures necessary for traveling public's safety. While providing traffic control, the needs and control of all road users [motorists, bicyclists and pedestrians, including persons with disabilities in accordance with the Americans with Disabilities Act of 1990 (ADA)] shall be an essential part of the work activity.

Day and night time lane closures shall comply with the California Manual on Uniform Traffic Control Devices (Part 6, Temporary Traffic Control), Standard Plans, and Standard Specifications for traffic control systems. These General Provisions are not intended to impose upon the permittee, by third parties, any duty or standard of care, greater than or different from, as required by law.
15. **MINIMUM INTERFERENCE WITH TRAFFIC:** Permittee shall plan and conduct work so as to create the least possible inconvenience to the traveling public; traffic shall not be unreasonably delayed. On conventional highways, permittee shall place properly attired flagger(s) to stop or warn the traveling public in compliance with the California Manual on Uniform Traffic Control Devices (Chapter 6E, Flagger Control).
16. **STORAGE OF EQUIPMENT AND MATERIALS:** The storage of equipment or materials is not allowed within State highway right-of-way, unless specified within the Special Provisions of this specific encroachment permit. If Encroachment Permit Special Provisions allow for the storage of equipment or materials within the State right of way, the equipment and material storage shall comply with Standard Specifications, Standard Plans, Special Provisions, and the Highway Design Manual. The clear recovery zone widths must be followed and are the minimum desirable for the type of facility indicated below: freeways and expressways - 30', conventional highways (no curbs) - 20', conventional highways (with curbs) - 15'. If a fixed object cannot be eliminated, moved outside the clear recovery zone, or modified to be made yielding, it should be shielded by a guardrail or a crash cushion.
17. **CARE OF DRAINAGE:** Permittee shall provide alternate drainage for any work interfering with an existing drainage facility in compliance with the Standard Specifications, Standard Plans and/or as directed by the Department's representative.
18. **RESTORATION AND REPAIRS IN RIGHT OF WAY:** Permittee is responsible for restoration and repair of State highway right of way resulting from permitted work (State Streets and Highways Code, Sections 670 et seq.).

19. **RIGHT OF WAY CLEAN UP:** Upon completion of work, permittee shall remove and dispose of all scraps, brush, timber, materials, etc. off the right of way. The aesthetics of the highway shall be as it was before work started.
20. **COST OF WORK:** Unless stated in the permit, or a separate written agreement, the permittee shall bear all costs incurred for work within the State right of way and waives all claims for indemnification or contribution from the State.
21. **ACTUAL COST BILLING:** When specified in the permit, the Department will bill the permittee actual costs at the currently set hourly rate for encroachment permits.
22. **AS-BUILT PLANS:** When required, permittee shall submit one (1) set of folded as-built plans within thirty (30) days after completion and approval of work in compliance with requirements listed as follows:
1. Upon completion of the work provided herein, the permittee shall send one volum or paper set of As-Built plans, to the State representative. Mylar or paper sepia plans are not acceptable.
 2. All changes in the work will be shown on the plans, as issued with the permit, including changes approved by Encroachment Permit Rider.
 3. The plans are to be stamped or otherwise noted AS-BUILT by the permittee's representative who was responsible for overseeing the work. Any original plan that was approved with a State stamp, or Caltrans representative signature, shall be used for producing the As-Built plans.
 4. If As-Built plans include signing or striping, the dates of signing or striping removal, relocation, or installation shall be shown on the plans when required as a condition of the permit. When the construction plans show signing and striping for staged construction on separate sheets, the sheet for each stage shall show the removal, relocation or installation dates of the appropriate staged striping and signing.
 5. As-Built plans shall contain the Permit Number, County, Route, and Post Mile on each sheet.
 6. Disclaimer statement of any kind that differ from the obligations and protections provided by Sections 6735 through 6735.6 of the California Business and Professions Code, shall not be included on the As-Built plans. Such statements constitute non-compliance with Encroachment Permit requirements, and may result in the Department of Transportation retaining Performance Bonds or deposits until proper plans are submitted. Failure to comply may also result in denial of future permits, or a provision requiring a public agency to supply additional bonding.
23. **PERMITS FOR RECORD PURPOSES ONLY:** When work in the right of way is within an area under a Joint Use Agreement (JUA) or a Consent to Common Use Agreement (CCUA), a fee exempt permit is issued to the permittee for the purpose of providing a notice and record of work. The Permittee's prior rights shall be preserved without the intention of creating new or different rights or obligations. "Notice and Record Purposes Only" shall be stamped across the face of the permit.
24. **BONDING:** The permittee shall file bond(s), in advance, in the amount set by the Department. Failure to maintain bond(s) in full force and effect will result in the Department stopping of all work and revoking permit(s). Bonds are not required of public corporations or privately owned utilities, unless permittee failed to comply with the provision and conditions under a prior permit. The surety company is responsible for any latent defects as provided in California Code of Civil Procedures, Section 337.15. Local agency permittee shall comply with requirements established as follows: In recognition that project construction work done on State property will not be directly funded and paid by State, for the purpose of protecting stop notice claimants and the interests of State relative to successful project completion, the local agency permittee agrees to require the construction contractor furnish both a payment and performance bond in the local agency's name with both bonds complying with the requirements set forth in Section 3-1.02 of State's current Standard Specifications before performing any project construction work. The local agency permittee shall defend, indemnify, and hold harmless the State, its officers and employees from all project construction related claims by contractors and all stop notice or mechanic's lien claimants. The local agency also agrees to remedy, in a timely manner and to State's satisfaction, any latent defects occurring as a result of the project construction work.
25. **FUTURE MOVING OF INSTALLATIONS:** Permittee understands and agrees to relocate a permitted installation upon notice by the Department. Unless under prior property right or agreement, the permittee shall comply with said notice at his sole expense.
26. **ARCHAEOLOGICAL/HISTORICAL:** If any archaeological or historical resources are revealed in the work vicinity, the permittee shall immediately stop work, notify the Department's representative, retain a qualified archaeologist who shall evaluate the site, and make recommendations to the Department representative regarding the continuance of work.
27. **PREVAILING WAGES:** Work performed by or under a permit may require permittee's contractors and subcontractors to pay appropriate prevailing wages as set by the Department of Industrial Relations. Inquiries or requests for interpretations relative to enforcement of prevailing wage requirements are directed to State of California Department of Industrial Relations, 525 Golden Gate Avenue, San Francisco, California 94102.
28. **RESPONSIBILITY FOR DAMAGE:** The State of California and all officers and employees thereof, including but not limited to the Director of Transportation and the Deputy Director, shall not be answerable or accountable in any manner for injury to or death of any person, including but not limited to the permittee, persons employed by the permittee, persons acting in behalf of the permittee, or for damage to property from any cause. The permittee shall be responsible for any liability imposed by law and for injuries to or death of any person, including but not limited to the permittee, persons employed by the permittee, persons acting in behalf of the permittee, or for damage to property arising out of work, or other activity permitted and done by the permittee under a permit, or arising out of the failure on the permittee's part to perform his obligations under any permit in respect to maintenance or any other obligations, or resulting from defects or obstructions, or from any cause whatsoever during the progress of the work, or other activity or at any subsequent time, work or other activity is being performed under the obligations provided by and contemplated by the permit.
- The permittee shall indemnify and save harmless the State of California, all officers, employees, and State's contractors, thereof, including but not limited to the Director of Transportation and the Deputy Director, from all claims, suits or actions of every name, kind and description brought for or on account of injuries to or death of any person, including but not limited to the permittee, persons employed by the permittee, persons acting in behalf of the permittee and the public, or damage to property resulting from the performance of work or other activity under the permit, or arising out of the failure on the permittee's part to perform his obligations under any permit in respect to maintenance or any other obligations, or resulting from defects or obstructions, or from any cause whatsoever during the progress of the work, or other activity or at any subsequent time, work or other activity is being performed under the obligations provided by and contemplated by the permit, except as otherwise provided by statute.

The duty of the permittee to indemnify and save harmless includes the duties to defend as set forth in Section 2778 of the Civil Code. The permittee waives any and all rights to any type of expressed or implied indemnity against the State, its officers, employees, and State contractors. It is the intent of the parties that the permittee will indemnify and hold harmless the State, its officers, employees, and State's contractors, from any and all claims, suits or actions as set forth above regardless of the existence or degree of fault or negligence, whether active or passive, primary or secondary, on the part of the State, the permittee, persons employed by the permittee, or acting on behalf of the permittee.

For the purpose of this section, "State's contractors" shall include contractors and their subcontractors under contract to the State of California performing work within the limits of this permit.

29. **NO PRECEDENT ESTABLISHED:** This permit is issued with the understanding that it does not establish a precedent.

30. **FEDERAL CIVIL RIGHTS REQUIREMENTS FOR PUBLIC ACCOMMODATION:**

A. The permittee, for himself, his personal representative, successors in interest, and assigns as part of the consideration hereof, does hereby covenant and agree that:

1. No person on the grounds of race, color, or national origin shall be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities.

2. That in connection with the construction of any improvements on said lands and the furnishings of services thereon, no discrimination shall be practiced in the selection and retention of first-tier subcontractors in the selection of second-tier subcontractors.

3. That such discrimination shall not be practiced against the public in their access to and use of the facilities and services provided for public accommodations (such as eating, sleeping, rest, recreation), and operation on, over, or under the space of the right of way.

4. That the permittee shall use the premises in compliance with all other requirements imposed pursuant to Title 15, Code of Federal Regulations, Commerce and Foreign Trade, Subtitle A, Office of the Secretary of Commerce, Part 8 (15 C.F.R. Part 8) and as said Regulations may be amended.

5. That in the event of breach of any of the above nondiscrimination covenants, the State shall have the right to terminate the permit and to re-enter and repossess said land and the land and the facilities thereon, and hold the same as if said permit had never been made or issued.

31. **MAINTENANCE OF HIGHWAYS:** The permittee agrees, by acceptance of a permit, to properly maintain any encroachment. This assurance requires the permittee to provide inspection and repair any damage, at permittee's expense, to State facilities resulting from the encroachment.

32. **SPECIAL EVENTS:** In accordance with subdivision (a) of Streets and Highways Code Section 682.5, the Department of Transportation shall not be responsible for the conduct or operation of the permitted activity, and the applicant agrees to defend, indemnify, and hold harmless the State and the city or county against any and all claims arising out of any activity for which the permit is issued.

Permittee understands and agrees that it will comply with the obligations of Titles II and III of the Americans with Disabilities Act of 1990 in the conduct of the event, and further agrees to indemnify and save harmless the State of California, all officers and employees thereof, including but not limited to the Director of Transportation, from any claims or liability arising out of or by virtue of said Act.

33. **PRIVATE USE OF RIGHT OF WAY:** Highway right of way shall not be used for private purposes without compensation to the State.

The gifting of public property use and therefore public funds is prohibited under the California Constitution, Article 16.

34. **FIELD WORK REIMBURSEMENT:** Permittee shall reimburse State for field work performed on permittee's behalf to correct or remedy hazards or damaged facilities, or clear debris not attended to by the permittee.

35. **NOTIFICATION OF DEPARTMENT AND TMC:** The permittee shall notify the Department's representative and the Transportation Management Center (TMC) at least 7 days before initiating a lane closure or conducting an activity that may cause a traffic impact. A confirmation notification should occur 3 days before closure or other potential traffic impacts. In emergency situations when the corrective work or the emergency itself may affect traffic, TMC and the Department's representative shall be notified as soon as possible.

36. **SUSPENSION OF TRAFFIC CONTROL OPERATION:** The permittee, upon notification by the Department's representative, shall immediately suspend all lane closure operations and any operation that impedes the flow of traffic. All costs associated with this suspension shall be borne by the permittee.

37. **UNDERGROUND SERVICE ALERT (USA) NOTIFICATION:** Any excavation requires compliance with the provisions of Government Code Section 4216 et seq., including, but not limited to notice to a regional notification center, such as Underground Service Alert (USA). The permittee shall provide notification at least 48 hours before performing any excavation work within the right of way.

SPECIAL PROVISIONS

The attached District's Standard Special Provisions are generalizations of the Department's Standard Specifications and are included only as a convenience to the Permittee; it shall not be construed as the only provisions pertaining to this permit. Permittee shall reference the current Department's Standard Specifications for complete and unabridged specification requirements.

1. By acceptance of this permit, the permittee understands and agrees to reimburse the State for all costs incurred for performing corrective work in the event that the permittee or permittee's representatives fail to install, replace, repair, restore, or remove facilities to state specifications for the immediate safe operation of the highway and satisfactory completion of all permit work. State forces may perform corrective work or it may be contracted out. Understood is that the above charges are in addition to permit fees, and an invoice will be sent to permittee for said charges after satisfactory completion of all work.
2. Permittee shall fully conform to the requirements of the Department of Transportation Statewide National Pollution Discharge Elimination System (NPDES) Storm Water Permit No. 2009-0009-DWQ Construction General Permit (CGP) adopted by the State Water Resources Control Board on July 1, 2010. The permittee shall also conform to any subsequent CGP requirements in effect at the time of Encroachment Permit issuance. This permit regulates storm water and non-storm water discharges associated with year-round construction or special event encroachment activities.
3. If contractor forces perform the work authorized by this permit, permittee's contractor shall furnish the State with a signed application requesting a separate Caltrans permit (Double Permit) authorizing the contractor to perform the work within the State's right of way on behalf of the permittee, a "Performance Bond" and a "Payment Bond" maybe required. Contractor's bonds maybe waived if the contractor has bonds for 100 percent of the project with the permittee. **Contractor shall not begin work until the Double permit is approved.**

Permittee's contractor will be required to reimburse the State for the cost incurred for engineering inspection of the work within the State highway right of way and all other permit related field work performed by Caltrans maintenance forces when, as determined by Caltrans, it becomes necessary. **Estimated engineering inspection fees are \$4,264.**

Permittee's contractor is required to have the signed permit and the double permit with all Special Provisions and plans stamped "CALTRANS PERMIT PLANS" dated **December 7, 2011** at the work site at all times while work is being conducted.

Permittee shall remain solely responsible for compliance with all requirements of this permit.

4. All work performed pursuant to this permit shall be performed in accordance with the *current* Department of Transportation's Standard Specifications, Standard Plans, Encroachment Permit Utility Provisions dated May 2006, and shall comply with all provisions of this permit and the instructions of the State permit inspector. Any violation of this permit shall constitute grounds for revocation of the permit.
5. It is the responsibility of the permittee, permittee's agents, or contractors to comply with all provisions of this permit and instructions from the State permit inspector. Permittee shall keep the permit package or copies thereof, at the work site at all times and show it upon request to any Department representative or law enforcement officer. When the permit package is not available, then immediate suspension of permit will occur.
6. Permittee shall furnish the necessary inspection to provide for public safety and to insure that all work within or affecting the State's right of way pursuant to this permit is in accordance with State Standards and requirements. The State permit inspectors will monitor the work authorized under this permit and the work is subject to the approval of the State permit inspectors.
7. Prior to performing any work pursuant to this permit, the permittee shall obtain all necessary permits and authorizations required of other governmental agencies and by law. The permittee shall make the necessary arrangements with the appropriate agencies to monitor and test performed work to ensure accordance with requirements of those agencies.
8. Permittee is responsible for restoration and repair of the State's right of way resulting from permitted work (State Streets and Highways Code, Sections 670 et. seq.). Upon completion of work, permittee shall remove and dispose of all scraps, brush, timber, materials, etc. off the State's right of way.
9. All striping, pavement markings, and markers obliterated by the work authorized by this permit shall be replaced in kind or better, as directed by the State permit inspector at no cost to the State.
10. Existing traffic signal, lighting, electrical systems, and underground installations (shown on the permit plans or not) damaged by the work authorized by this permit shall be replaced in kind, restored in kind, or better as directed by the State permit inspectors at no cost to the State.

11. Potentially hazardous waste material, if encountered during implementation of permitted work, then all work within the affected area shall cease immediately. The permittee shall contact the State permit inspector to arrange a site assessment by a Caltrans hazardous material coordinator.
12. Do not store materials within the State's right of way and remove materials at the end of the day or properly store it as directed by the State permit inspector.
13. Adequately shore trench to conform to requirements of the California Department of Safety and Health. Provide approved Cal OSHA Permit and the project administrating body's approval to State permit inspector, when required.
14. American National Standards Institute (ANSI) compliant Class II vests and hard hats shall be worn while working within State's right of way. Workers working at night will be required to wear ANSI Class III warning garments. Class III compliance can be achieved by combining ANSI Class E pants worn with an ANSI Class II vest.
15. "The California Public Resources Code Chapter 1.7, Section 5097.5 makes it a misdemeanor for anyone to knowingly disturb an archaeological or historical feature. California Public Resources Code Sections 5097.98 and 5097.99 require protection of Native American remains that may be found and outlines procedures for handling any burials found.

The California Administrative Code, Title 14, Section 4308, requires that no person disfigure any object of historical interest or value. The California Penal Code, Title 14, Part 1, Section 622-1/2 makes it a misdemeanor to destroy anything of historical value within any public place.

Should human skeletal material or archaeological material be found during construction activities, all work must be halted within 30 feet of the find. The Encroachment Permit Applicant shall notify the Caltrans Senior Archaeologist (Gary Iverson at 213-897-3818) immediately. Construction activities within 30 feet of the find shall remain halted until the Caltrans Senior Archaeologist (Gary Iverson) or his representative have determined that all legal compliance conditions have been met before any work may resume in the area of the find.

The Department reserves the right to use other forces for exploratory work to identify the extent of areas requiring archaeological evaluation or recovery. Contractor labor, equipment and materials required to assist the archaeologist to ensure legal compliance shall be paid by the Encroachment Permit Applicant. All archaeological materials found during project activity shall become the property of the State."

16. Permittee shall arrange a pre-job meeting as required; if a pre-job does not take place, cancellation of the permit may occur. Permittee's contractor shall submit a written schedule to the State permit inspector for review and approval prior to the commencement of work. The State permit inspector must ascertain and agree to all work details and all aspects of traffic control or no work shall begin on this permit.
17. Any deviation from these procedures or conditions will cause suspension of all work until satisfactory compliance by permittee or permittee's contractor.
18. If a time extension for this permit is required, request one 30 days in advance of the expiration date. Permit closure occurs after the expiration date, once this occurs reactivation will not occur. It will be the responsibility of the permittee to reapply by submitting an application and plans, if the need for a permit is still present.
19. Typically, working hours and traffic control are authorized only between 9 AM and 3 PM, Monday through Friday, holidays excluded. Any traffic control that requires lane closure shall be in compliance with the appropriate traffic control plan, California Manual on Uniform Traffic Control Devices (CA MUTCD), and/or Caltrans Standard Plans. Where required by the plan, the use of a flashing arrow-board is MANDATORY.
20. Personal vehicles shall not be parked within the limits of the construction/work zone, parking restrictions extends to roadway areas closed to public traffic.
21. If a bus stop is located within the area of construction, the permittee shall contact MTA or the local transit agency to arrange a temporary bus stop.
22. Existing concrete sidewalk shall be saw cut at the scoreline to the full depth of concrete and shall be performed in conformance with the attached Special Provision "B" and "C."
23. Damaged curb and gutter, pavement, and/or sidewalk shall be replaced as determined appropriate by State permit inspector.
24. Permittee shall place "Sidewalk Closed" signs and shall provide and maintain at all times a safe passage way and protection of pedestrian traffic including disable person on wheelchair.

25. The new curb and gutter, and/or sidewalk shall match adjacent existing facilities.
26. A monolithic pour of curb and gutter, and sidewalk is not permitted.
27. Permittee shall be responsible for the relocation or adjustment of any utility required as the result of work authorized by this permit, and utility relocation shall be completed prior to the installation of any new curb and gutter, or sidewalk.
28. Utility boxes are not allowed within the boundaries of new wheelchair ramp and driveways.
29. 12 inches of Asphalt concrete next to the gutter to be removed shall be saw-cut to full depth and replaced with hot mix AC.
30. All open trenches within the traveled way shall be back-filled, compacted, and temporary pavement (minimum 3" thick) placed before the end of each working day. Shoring and properly placed, and maintained, skid resistant steel plates may be substituted for the back filling for short use when pre-approved by State permit inspector.
31. If the State permit inspector for short time use authorizes steel plates, plates shall be recessed into the existing pavement so that surface of the plates is flush with the roadway pavement as per Special Provision "C."
32. Steel plates used for bridging must extend a minimum of 12 inches beyond the edges of the trench.
33. Sand cement slurry for backfill material shall be 1-1/2 sacks per cubic yard. If Permittee chooses to backfill with native or imported material, a compaction test is required to verify 95% compaction.
34. Surface restoration shall include cold plane a minimum of 1-foot beyond trench line to a minimum depth of 2 inches.
35. A minimum clearance of 42" shall be provided between the top of the pipe/conduit and the surface of the pavement.
36. All carrier pipes under pressure shall be encased as noted in Table 6.12 of Caltrans' Encroachment Permit Manual.
37. The permittee shall assume responsibility for the design, installation, and maintenance of its equipment and facilities. They shall also assume responsibility for any damages that may result from this installation.
38. The permittee shall indemnify and defend the Department against all actions resulting from the design, installation, or maintenance of its equipment and facilities.
39. When vaults are installed in pedestrian areas, the permittee shall be responsible to design, locate, and construct them in a manner that will minimize any interference with pedestrian traffic.
40. As-built plans shall be submitted showing pipe alignment, detailed cross-section, and all dimensions (horizontal and vertical from centerline and finish grade, respectively) must be shown.

DEPARTMENT OF TRANSPORTATION - DISTRICT 7

SPECIAL PROVISION "A"

(attached to all Permits) REV 05/11/05 (Page 1 of 2)

1. Should there be any discrepancy between the terms of this permit and the plans attached hereto, the State permit inspector will determine which shall prevail.
2. Except for installing, maintaining and removing traffic control devices, whenever work is performed or equipment is operated in the following work areas, the permittee shall close the adjacent traffic lane unless otherwise provided in the permit:

<u>Approach speed of public traffic (posted limit) km/h</u>	<u>Work Areas</u>
Over 45mph (70km/h)	Within 6' (1.8m) of a traffic lane
45mph (70km/h) and Under	Within 3' (0.9m) of a traffic lane

3. Any work authorized by this permit which requires traffic diversion and/or traffic interruption, including sidewalks and bike paths, shall be approved by the State permit inspector.
4. Unless noted in the permit or otherwise authorized by the State permit inspector, the normal working hours of permitted traffic control shall be limited to the hours of 0900 to 1500 Monday through Friday. Traveled way needs to be open for public traffic at all other times, including designated legal holidays and when construction is not actively in progress.

Designated legal holidays: January 1, the third Monday in January, the third Monday in February, the last Monday in May, July 4, the first Monday in September, November 11, the fourth Thursday in November and December 25.

5. The permittee shall provide adequate protection of traffic in accordance with the current traffic control requirements of the Caltrans Standard Specifications Section 7-1.08 (Public Convenience), Section 7-1.09 (Public Safety) and Section 12 (Construction Area Traffic Control Devices).
6. Permittee shall be responsible for notifying their contractor and all subcontractors of the provisions of this permit. The permittee's contractors/subcontractors are required to have the signed original permit (and double permit when required) or a copy with all special provisions and permit plans, at the job-site, at all times while work is being conducted.
7. Caltrans is not a member or subscriber of USA (Underground Service Alert); Caltrans underground facilities are not located by USA. The permittee and/or permittee's contractor assumes the responsibility for the payment of all costs incurred by the State in repairing facilities damaged during construction. Requests for relocation of facilities for the permittee's convenience must be made in writing with the permittee assuming all costs.
8. All conflicting lane lines and pavement markings shall be removed by sandblasting, pellet blasting, grinding or air blasting as approved by the State permit inspector. Traffic tape may be used for the temporary delineation and covering of lane lines/pavement markings as approved by the State permit inspector.
9. A survey of the permittee's property may be required to verify compliance with approved plans at no cost to the State.

SPECIAL PROVISION "A"

REV 05/11/05 (Page 2 of 2)

10. Should work take place between October 15 and April 15, permittee shall obtain a long-range clear weather forecast before breaking into a main line storm drain. Constructions of facilities connecting into the mainline will be permitted only during a clear weather forecast that is acceptable to the State permit inspector. Once operations are initiated, the work shall be conducted in a continuous manner until completed.
11. Abandoned pipes shall be sealed at both ends with 8" (200mm) brick and mortar or 6" (150mm) thick concrete plug. When facilities are allowed to be abandoned in place, backfilling with sand or other measures may be required. This is mandatory for all conduits 12" (300mm) in diameter or larger.
12. In the event that all work is within the working area of a State highway construction project, no work shall be started until all arrangements have been made with the State contractor and State resident engineer, to avoid any and all conflict or delay to the State contractor.
13. Permittee shall fully conform to the requirements of the Caltrans statewide NPDES Storm Water Permit, Order No. 99-06-DWQ. NPDES No. CAS000003 was adopted by the State Water Resources Control Board on July 15, 1999. The permittee shall also conform to the requirements of the General NPDES Permit for Construction Activities and any subsequent General Permit in effect at the time of issuance of this encroachment permit. These permits regulate storm water and non-storm water discharges associated with year round construction or special event encroachment activities.
14. The permittee shall utilize best management practices (BMP's) that conform to the requirements of the most current edition of "Caltrans Storm Water Quality Handbooks, Construction Site Best Management Practices to prevent the transport of pollutants and/or erosive soils to storm drains or to a body of water. The permittee shall be solely responsible to prepare, in accord with good management practices, a Storm Water Pollution Prevention Plan or Water Pollution Control Plan which will satisfy the Regional Water Quality Control Board if applicable. Permittee shall be responsible for reimbursement of fines levied against Caltrans due to permittee's failure to comply with the Regional Water Quality Control Board rules and regulations within the State's right of way.

Permittee shall provide and install erosion control measures as directed by the State permit inspector or Caltrans storm water coordinator. Permittee shall be responsible to mitigate for storm water siltation within or entering the State right of way as a result of the proposed construction. Erosion control measures may consist of (but not limited to) gravel bags, straw bales and silt fencing.

DEPARTMENT OF TRANSPORTATION - DISTRICT 7
SPECIAL PROVISION "B" CURB, GUTTER & SIDEWALK
7-96

This Special Provision "B" is to be used as minimum specifications for construction of curb, gutter, sidewalk and wheelchair ramps at the location shown on the permittee's approved plans.

I. SIDEWALK

1. Sidewalk shall be constructed with 275kg/m³. (5 sack/CY) portland cement concrete, 100mm (4") in depth, except at commercial driveways where 150mm (6") in depth is required. The back of sidewalk should be constructed at right of way line.

2. The base under the sidewalk shall be 100mm (4") of aggregate base, pea gravel or sand. The 100mm (4") base may be waived provided the native soil has a minimum sand equivalent value of 20 as determined by California Test Method 217F or as approved by the State permit inspector.

3. Prior to placing concrete for sidewalk, a borate chlorate soil sterilant containing not less than 25% sodium chlorate, shall be applied. The sterilant shall be applied at a rate such that not less than 1kg (2.5 pounds) of sodium chlorate is applied per 9m² (100SF) of area to be sterilized. Sterilant shall not be applied closer than 300mm (12") to plants.

4. The finished surface of sidewalk shall have a crossfall of 2% toward the curb. The surface of sidewalk shall be marked into rectangles of not less than 1m² (10SF) nor more than 2m² (20SF) with a scoring tool which will leave the edges rounded or scored to match adjoining sidewalk.

5. Section of existing sidewalk to be removed shall be sawcut on the nearest score marks beyond the limit of removal unless it is within 1.5m (5') of an expansion joint. This concrete shall be removed to the sawcut line or the expansion joint to the full depth and disposed of outside of the State right of way.

II. CURB & GUTTER

1. Unless otherwise authorized by the permit, curb and gutter shall be Caltrans standard A2-8 with 600mm (24") gutter. Curb and gutter shall be constructed with 275kg/m³ (5 sack/CY) portland cement concrete over a minimum of 150mm (6") of Class 2 aggregate base.

2. Concrete curbs and gutter shall be constructed to plan grade or in conformance with alignment and grade of existing curb and gutter.

3. Prior to removal of existing curb or construction of new curb, the permittee shall relocate surface obstructions (such as utility poles, trees, etc.) to locations a minimum of 0.6m (2') behind

DEPARTMENT OF TRANSPORTATION - DISTRICT 7
SPECIAL PROVISION "B" CURB, GUTTER & SIDEWALK

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proposed curb. Surface obstructions which are 15m (50') before the beginning of curb construction and 45m (150') beyond the end of the curb construction shall be relocated when deemed necessary, by the State Permit Inspector, for the safe movement of traffic.

4. Sections of existing concrete curb and gutter to be removed shall be removed to the nearest score mark or expansion joint if it is within 1.5m (5') beyond the limits of removal. Score marks shall be sawcut prior to removal of curb and gutter. The concrete shall be completely removed and disposed of outside of the State right of way.

5. A monolithic pour of sidewalk and curb & gutter shall not be permitted.

6. In the event that the permittee removes or damages a monolithic curb return or spandrel, the permittee shall remove and replace the entire curb return and spandrel.

III. WHEELCHAIR RAMPS

1. When wheelchair ramps are to be constructed or replaced, any electrical pull boxes within the limits of the new wheelchair ramp shall be relocated to an area outside of the wheelchair ramp, as directed by the State permit inspector.

2. When curb returns are to be constructed or replaced, wheelchair ramps shall be provided.

DEPARTMENT OF TRANSPORTATION - DISTRICT 7
SPECIAL PROVISION "C" - EXCAVATION & BACKFILL
7-96

This Special Provision "C" is to be used as minimum specifications for excavating and backfilling within State right of way.

I. EXCAVATION WITHIN ROADWAY:

1. Pipes crossing the roadway shall normally be jacked or otherwise forced underneath pavement without disturbing same. Pavement on roadway shall not be cut unless specifically allowed by the permit. Service pipes will not be allowed inside of culverts used as drainage structures.

2. Permittee shall comply with all State and local safety codes relative to safety measures for protection of workers in trenches and excavations (State of California Administrative Code, Title 8).

3. All excavations shall be shored and/or tight sheeted in accordance with Cal OSHA requirements.

4. Work shall not be permitted in confined spaces until all possible hazardous gases and vapors have been purged. Workers shall be equipped with adequate blowers, safety harnesses, hard hats, ropes, ladders and any other equipment necessary. When working in confined spaces, Cal OSHA requirements shall be adhered to.

5. Service connections shall be installed perpendicular to the center line of the State highway.

6. When the permit authorizes installation by open-cut method, not more than one lane of the highway shall be open-cut at any one time unless otherwise approved by the State permit inspector. After the pipe is placed in the open section, the trench is to be backfilled and temporary repairs made or bridged in accordance with the specifications and this portion shall be opened to traffic before the pavement is cut for the next section.

Temporary asphalt pavement patches, a minimum of 75mm (3") thick, shall be placed and maintained in a smooth riding surface free of humps or depressions.

7. Hazardous pipeline potholing clause (petroleum distillates, gas, electricity, chlorine, etc.):

The permittee shall furnish Caltrans with the results of this exploration, having the location and grade shown to within 30mm (0.1') tied to State's datum, and certified by a licensed land surveyor or civil engineer, registered in the State of California.

8. Pavement (portland cement concrete and asphalt concrete) shall be sawcut to full depth by means of a concrete saw to provide a neat

and straight edge along both sides of the trench. An unfractured pavement joint and rigid bonding of pavement replacement shall also be provided.

All residue, caused by the sawcutting, should be vacuumed or removed by other method, as approved by the State permit inspector and disposed of outside of State right of way.

9. Where the edge of the trench is within 0.6m (2') of existing curb or gutter, the pavement between the trench and the curb or gutter shall be removed and replaced.

10. A minimum lateral clearance of 1.5m (5') shall be provided between the edge of excavation and adjacent traffic lanes. Where 1.5m (5') of clearance is not provided, the excavation shall be shored. In no case shall the clearance be less than 0.9m (3').

11. Banks of open-cut trenches shall be kept as nearly vertical as possible. Trenches shall not be more than 600mm (24") wider than the outside diameter of the pipe to be laid therein, plus the necessary width to accommodate shoring.

12. All open trenches within the traveled way shall be backfilled, compacted and temporary pavement placed before the end of the working day.

Shoring and properly placed and maintained steel plates may be substituted for backfilling when authorized by the State permit inspector. See page 6 of this special provision: Temporary Steel Plate Bridging.

13. Trenches shall not be excavated more than 90m (300') in advance of pipe laying and shall not be left open more than 60m (200') in the rear thereof.

14. Tree roots over 50mm (2") in diameter shall not be cut unless otherwise authorized and approved by the State permit inspector.

15. If it becomes impractical to protect all roots over 50mm (2") in diameter or more than 40% of all roots will be damaged, permittee or contractor shall make special arrangements with the State permit inspector to remove, relocate or replace subject trees.

16. Manholes and vaults shall not be constructed within 6m (20') of any parkway tree.

II. BACKFILL

1. Structural backfill within the existing or proposed roadbed area

shall be compacted in horizontal layers not exceeding 200mm (8") in thickness using approved hand, pneumatic or mechanical type tampers to obtain a relative compaction of 95% using California Test Method 216F. Structural backfill outside of slope lines and not beneath the roadbed shall be compacted to a relative compaction of 90%. Backfill material shall have a sand equivalent value of not less than 20 as determined by California Test Method 217F, if the excavation falls within the existing or proposed roadbed. Consolidation by ponding and jetting will be permitted when, as determined by the inspector, the backfill is of such character that it will be self-draining when compacted, and the foundation materials will not be softened or be otherwise damaged by the applied water and no damage from hydrostatic pressure will result. Ponding and jetting of the upper 1.2m (4') below finished grade is prohibited. When ponding and jetting is permitted, material for use as structural backfill shall be placed and compacted in layers not exceeding 1.2m (4 ft) in thickness. Ponding and jetting methods shall be supplemented by the use of vibratory or other compaction equipment when necessary to obtain the required compaction.

2. Backfill material may consist of 83kg/m³ (1-1/2 sack/CY) sand-cement slurry. Accelerator (i.e. calcium chloride) may be used when authorized by the State permit inspector. Slurry shall be vibrated in accordance with Section 40-107A of the Caltrans Standard Specifications as required by the State permit inspector.

3. Where it is necessary to tunnel under existing curb and gutter, sidewalk, or underground facilities, the void shall be backfilled and vibrated with sand-cement slurry.

4. By accepting this permit, the permittee agrees to pay all laboratory costs in connection with the necessary tests which may be required by the State permit inspector to determine the sand equivalent value of the backfill material or the trench backfill compaction. The frequency of such tests shall be at a minimum of one test per 450m (1500 ft) of continuous trench, or at locations determined by the State permit inspector, at elevations of not less than every 0.6m (2 ft) of backfill depth. A minimum of one test is required for each trench.

5. Prior to starting the trench backfill, the permittee shall make the necessary arrangements with a Caltrans certified materials testing laboratory to conduct the tests with certification from a civil engineer registered in the State of California.

III. PERMANENT PAVEMENT REPAIRS

1. Repairs to PCC pavement shall be made within 5 working days of completion of backfill and shall be made of Class 2 portland cement concrete containing a minimum of 350kg/m³ (5 sack/CY). Replacement of PCC pavement shall equal existing pavement thickness. The concrete shall

be satisfactorily cured and protected from disturbance for not less than 48 hours. High early strength concrete may be required at the discretion of the permit inspector.

2. Concrete sidewalks or curbs shall be cut to the nearest score marks and replaced equal in dimensions to that removed with score marks matching existing adjacent sidewalk or curb or as directed by the State permit inspector.

3. Repairs to AC pavements shall be made within 5 working days of completion of backfill and shall be made with Type B asphalt concrete meeting State specifications.

4. Replacement of the roadway structural section (pavement, base, subbase, etc.) shall be equal or better in all respects to the thickness and materials in the best portions of the existing structural section. Minimum thicknesses shall be 150mm (6") asphalt concrete on 200mm (8") base.

IV. REQUIRED MARKERS

Underground installations of pipes, cables, and conduits may be required to have surface markings showing the location of the underground facility. When markings are required, the permittee shall submit a marking plan for approval by the State permit inspector. Markings shall not interfere with vehicular traffic.

V. CATHODIC PROTECTION

The permittee shall perform stray current interference tests on underground utilities under cathodic protection. The permittee shall notify Caltrans prior to the tests and perform any necessary corrective measures recommended by Caltrans.

VI. HIGHWAY STRUCTURES

The permittee shall pay for any damage to highway structures caused by gas mains or other pipe lines carrying flammable. This includes, but is not limited to, explosion or fire resulting from such installations regardless of causation. If repairs are not feasible, complete replacement of structure may be necessary. The permittee will indemnify and hold the State harmless from any and all claims for injury to persons or damage to property resulting from such installation.

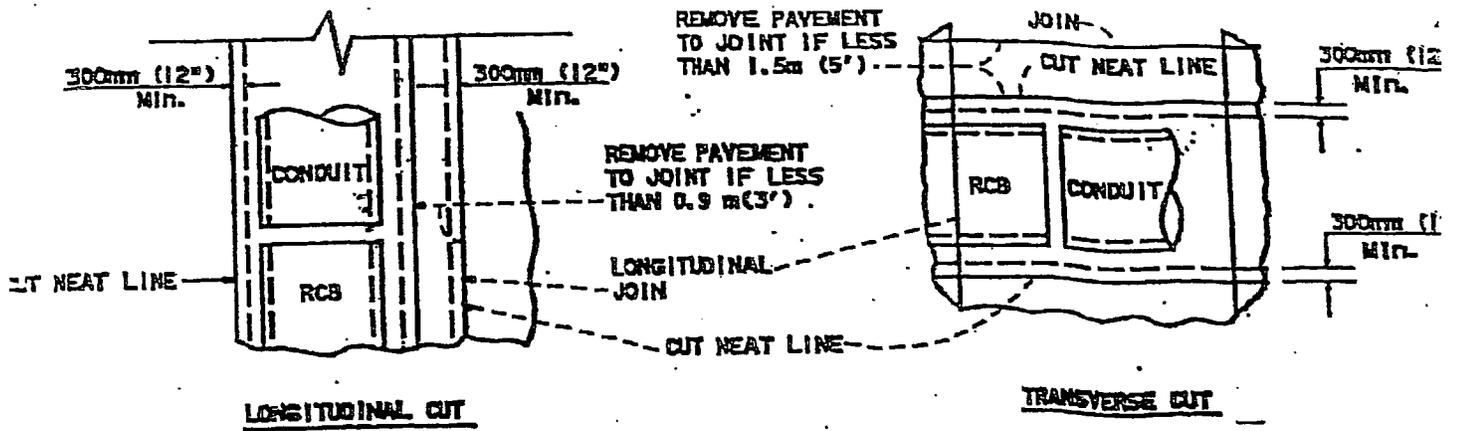
VII. TUNNELING

Except in effecting emergency repairs on utilities, no tunneling will be permitted. Major installations may be exempt as specifically set forth

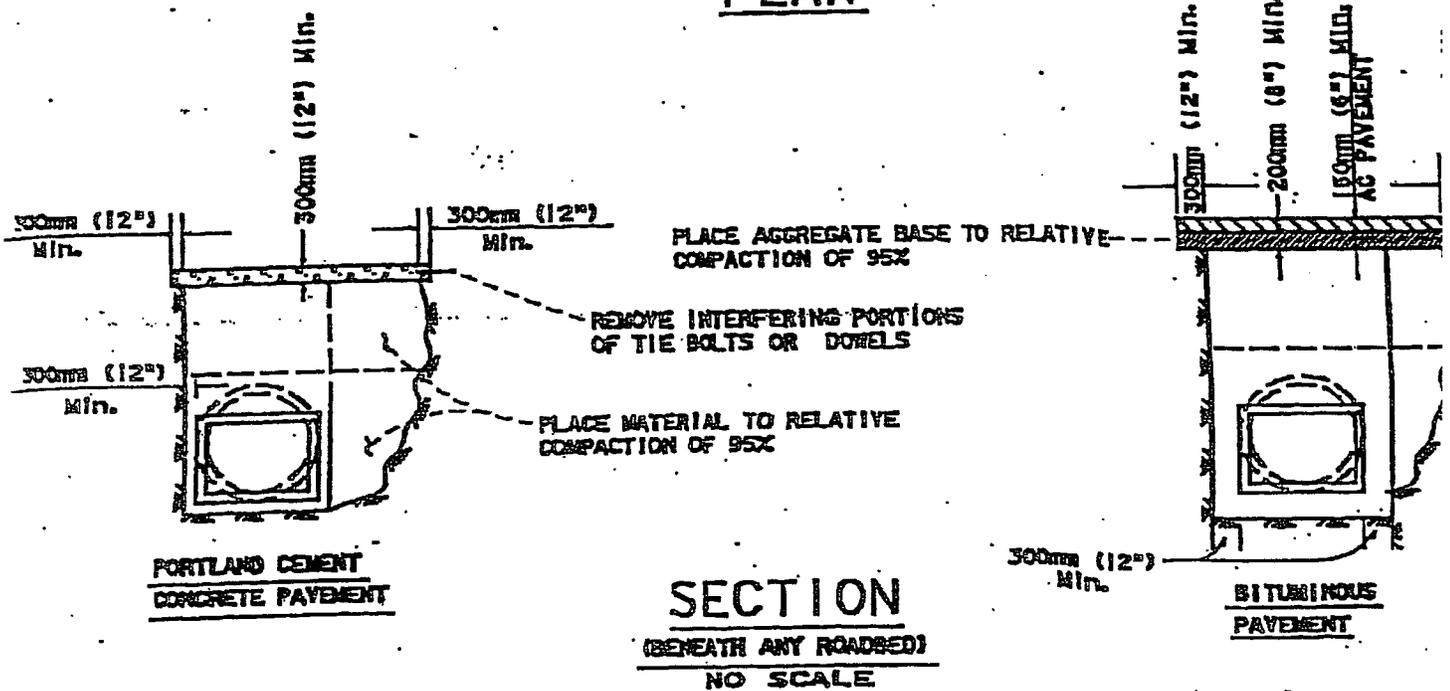
by the permit.

VIII. UNDERGROUND FACILITIES

All underground facilities shall be in accordance with the Caltrans "Manual on High and Low Risk Underground Facilities Within Highway Rights of Way". Unless otherwise authorized, pipes and conduits shall be installed in a manner to provide a minimum clearance of 1.1m (42") between the top of pipe and finished surface.



PLAN



IF SIDECALLS CAVE IN:

- A. FOR LONGITUDINAL CUT, EXCAVATE TO SURFACE AND 300mm (12") INTO UNDISTURBED MATERIAL, OR TO NEXT PAVEMENT JOINT IF WITHIN 0.9 m (3')
- B. FOR TRANSVERSE CUT, EXCAVATE TO SURFACE AND 300mm (12") INTO UNDISTURBED MATERIAL, OR TO NEXT PAVEMENT JOINT IF WITHIN 1.5m (5')
- C. IN BOTH CASES EXCAVATE CAVED-IN MATERIAL.

PAVEMENT REPLACEMENT:

- A. PAVEMENT SECTION SHALL BE REPLACED IN KIND EXCEPT P.C.C. PAVEMENT SURFACED WITH A.C. SHALL BE REPLACED WITH MINIMUM OF 150mm (6") ASPHALT CONCRETE.
- B. P.C.C. PAVEMENT OR A.C. PAVEMENT SHALL BE REPLACED WITH THE APPLICABLE STRUCTURAL SECTION SHOWN HEREON.

A MINIMUM CLEARANCE OF 1.1m (42") SHALL BE PROVIDED BETWEEN THE INSTALLATION AND THE SURFACE OF THE PAVEMENT OR GROUND UNLESS OTHERWISE AUTHORIZED IN THE PERMIT.

PAVEMENT REMOVAL, EXCAVATION, BACKFILL
AND RESURFACING IN STATE HIGHWAYS

SPECIAL PROVISION "C"
REV. 7/96

TEMPORARY SHEET PLATE BRIDGING

This sheet shall be used as a minimum requirement when steel plates are allowed for use on State Highways. Steel plate bridging on freeways is not allowed.

METHOD 1

The pavement shall be cold planed to a depth equal to the thickness of the plate(s) and to a width and length equal to the dimensions of the plate. Tack welding of plates may be required.

METHOD 2

Steel plates that are allowed to set on top of the road surface may have the approach and ending plates secured to the roadway by 2 -25mm (1") dowels placed through predrilled corners of the plate or by 4-25mm (1") dowels placed at the edge of plate and set a minimum of 150mm (6") into the pavement. Intermediate plates are butted and tack welded to each other. Fine graded asphalt concrete shall be compacted to form ramps, maximum slope 8.5% with a minimum 300mm (12") taper to cover all edges of the steel plates. When steel plates are removed, the dowel holes in the pavement shall be backfilled with either graded fines of asphalt concrete mix or concrete slurry.

1. Steel plate must extend a minimum of 300mm (12") beyond the edges of the trench, and shall be installed to operate with minimum noise and rocking by using adjustable cleats, shims, or other device.
2. The trench shall be adequately shored to support bridging the traffic loads.
3. The permittee shall place and maintain on the steel plate a non-skid surface having a minimum coefficient of friction equivalent to 0.35 as determined by California Test Method 342.
4. The Permittee shall be responsible for maintenance of the steel plates, shoring, and asphalt concrete ramps.
5. Unless specifically noted in the permit provisions, steel plate bridging should not exceed 4 consecutive working days in any given week.
6. Steel plate bridging shall be steel designed for HS20-44 truck loading per Caltrans Bridge Design Specifications Manual.
7. A Rough Road sign (W33), with black lettering on an orange background, may be used in advance of steel plate bridging.

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SPECIAL PROVISION "C" - EXCAVATION & BACKFILL
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page 8

8. Method 2 shall not be allowed for speeds more than 70km/hr(45mph).

The following table shows the minimum thickness of steel plate bridging required for a given trench width:

Trench Width	Minimum Plate Thickness
0.3m (1.0')	13mm (1/2")
0.45m (1.5')	19mm (3/4")
0.6m (2.0')	22mm (7/8")
0.9m (3.0')	25mm (1")
1.2m (4.0')	32mm (1 1/4")

For spans greater than 1.2m (4') a structural design shall be prepared by a registered civil engineer and approved by the State permit inspector.

DEPARTMENT OF TRANSPORTATION- DISTRICT 7
SPECIAL PROVISION "Q" TRAFFIC CONTROL
REV 10/06 (PAGE 1 OF 3)

The following standard plans may be referenced and are available at www.dot.ca.gov:

- Standard Plan T-10, Lane Closure on Freeways and Expressways
- Standard Plan T-10A, Lane and Complete Closures on Freeways and Expressways
- Standard Plan T-11, Lane Closure on Multilane Conventional Highways
- Standard Plan T-12, Lane Closure on Multilane Conventional Highways (closing of half roadway).
- Standard Plan T-13, Lane Closure on Two Lane Conventional Highways
- Standard Plan T-14, Ramp Closure
- Standard Traffic Handling Plans for Ramp Closures and Detour signs, (Sheets 1 & 2).

This Special Provision "Q" is to be used as minimum specifications for maintaining traffic and lane/ramp closures.

L MAINTAINING TRAFFIC

1. It is the Permittee's responsibility to provide for the safety of traffic and the public during operation associated with this permit.
2. All public traffic shall be permitted to pass through the construction zone with as little inconvenience and delay as possible.
3. No traffic control shall be allowed during rainy, foggy or inclement weather.
4. A California licensed contractor, possessing a valid Class A (General Engineering Contractor) or Class C-31 (Construction Zone Traffic Control Contractor) license, shall perform all traffic control.
5. Contractors operations shall be conducted in such a manner as to cause a little inconvenience as possible to abutting property owners. Convenient access to driveways, houses, and buildings along the line of work shall be maintained.
6. Permittee shall use traffic-handling equipment and devices in accordance with Section 12, "Construction Area Traffic Control Devices," of the State of California Standard Specifications. These specifications are applicable to flagging, signs, and all other traffic control devices furnished, maintained, and removed.
7. Signs, lights, flags and other warning devices and their use shall conform to the requirements set forth in the current California Manual on Uniform Traffic Control Devices (MUTCD).
8. Permittee shall obtain a closure number from the State permit inspector and notify Caltrans District Communication Center by telephone at (213) 897-0383 immediately prior to installation on a lane/ramp closure. Inform Caltrans' dispatcher the "10-97 closure number _____" before closure installation and the "10-98 closure number _____" after closure has been removed with lane/ramp opened to traffic. Permittee shall also provide the Caltrans' dispatcher with an on-site phone number where information regarding this permit may be readily obtained during the closure period.
9. Flaggers shall perform their duties and be provided with the necessary equipment in accordance with the current "Instructions to flaggers" of the Department of Transportation and as provided in the permit.

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SPECIAL PROVISION "Q" TRAFFIC CONTROL
REV 05/05 (Page 2 of 3)

10. Existing traffic signals and highway lighting shall be kept in operation during progress of the work.
11. Flashing beacons are required for all night lane closures.
12. At least one person shall be assigned to provide full time maintenance of traffic control devices, unless otherwise directed by State Permit Inspector.
13. All lane closures on multilane highways shall be made using approved flashing arrow signs. The State permit inspector shall close down any project found to have such a lane closure without the required flashing arrow signs.
14. Each vehicle used to place, maintain and remove components of a traffic control system on multilane highways shall be equipped with a Type II flashing arrow sign which shall be in operation when the vehicle is being used for placing, maintaining or removing the components. Vehicles equipped with Type II flashing arrow sign not involved in placing, maintaining or removing the components when operated within a stationary type lane closure shall only display the caution display mode. The sign shall be controllable by the operator of the vehicle while the vehicle is in motion. The flashing arrow sign shown on the plans shall not be used on the vehicles which are doing the placing, maintaining and removing of components of a traffic control system and shall be in place before a lane closure requiring the sign's use is completed.
15. If portable changeable message sign (CMS) is required by the permit, then the CMS shall be furnished, placed, operated, and maintained at the location specified in the permit or as directed by the State permit inspector in conformance with the State of California Standard Specifications, Section 12.

II. TEMPORARY PAVEMENT DELINEATION

1. ~~Whenever the work causes obliteration of pavement delineation~~, temporary or permanent pavement delineation shall be in place prior to opening the traveled way to public traffic. Laneline and/or centerline pavement delineation shall be provided at all times for roadway open to public traffic.
2. The permittee shall perform all work necessary to establish the alignment of temporary pavement delineation, including required lines or marks. Surfaces to receive temporary pavement delineation shall be dry and free of dirt and loose material. Temporary pavement delineation shall not be applied over existing pavement delineation or other temporary pavement delineation. Temporary pavement delineation shall be maintained until superseded or replaced with a new pattern of temporary pavement delineation or permanent pavement delineation.
3. The minimum laneline and centerline delineation to be provided for that area shall be temporary pavement markers placed at longitudinal intervals of not more than 24' (7.3m). The temporary pavement markers shall be the same color as the pavement markers replaced.
4. Temporary pavement markers shall be, at the option of the permittee, either temporary pavement markers for short term day/night use (14 days or less) or long term day/night use (6 months or less).

DEPARTMENT OF TRANSPORTATION - DISTRICT 7
SPECIAL PROVISION "Q" TRAFFIC CONTROL
REV 05/05 (Page 3 of 3)

5. The temporary pavement markers shall be placed in conformance with the manufacturer instructions. Temporary pavement markers for long term day/night use (6 months or less) shall be cemented to the surfacing with the adhesive recommended by the manufacturer; epoxy adhesive shall not be used to place the temporary pavement markers in areas where removal of the temporary pavement markers will be required.
6. If the permanent pavement delineation is not placed within 14 days, the permittee shall replace the temporary pavement markers and provide additional temporary pavement delineation and shall bear the cost thereof. The additional temporary pavement delineation to be provided shall be equivalent to the pattern specified for the permanent pavement delineation for the area, as determined by the State permit inspector.
7. Temporary pavement delineation for edgelines shall, at the option of the permittee, consist of either a solid 4" (100-mm) wide traffic stripe of the same color as the stripe the temporary edgeline delineation replaces, or traffic cones or portable delineators placed at longitudinal intervals not to exceed 50' (15 m). The lateral offset for traffic cones, portable delineators or channelizers used for temporary edgeline delineation shall be as determined by the State permit inspector. If traffic cones or portable delineators are used as temporary pavement delineation for edgelines, the permittee shall provide personnel to remain at the project site to maintain the cones or delineators.
8. Temporary pavement delineation including pavement markers, removable traffic tape, and underlying adhesives which are applied to the final layer of surfacing or existing pavement to remain in place or which conflict with a subsequent or new traffic pattern shall be removed when no longer required for the direction of public traffic as determined by the State permit inspector.

III. TEMPORARY RAILING & CRASH CUSHION

The placing of temporary railing (Type K) and temporary crash cushion shall conform to the requirements of State of California Standard Specifications Section 12-3.08 "Temporary Railing". Temporary railing (Type K) and crash cushion placements shall conform to the details shown on State of California Standard Plans T2 and T3.

1. **GENERAL:** The Permittee shall comply with the following Special Provisions and the direction of the State Representative:
2. **NPDES REQUIREMENTS:** The Permittee shall be responsible for full compliance with the Caltrans Storm Water Program and the Caltrans NPDES Permit requirements. For additional information, visit the State Water Resources Control Boards Stormwater Website at <http://www.swrcb.ca.gov/stormwtr/index.html>
3. **RESPONSIBILITY FOR DEBRIS REMOVAL:** The Permittee shall be responsible for preventing all dirt, trash, debris, and other construction waste from entering storm drains, local creeks, or any other bodies of water.
4. **SPOILS AND RESIDUE:** The Permittee shall vacuum or sweep any saw-cut spoils, debris, residue, etc. No spoils, debris, residue, etc. shall be washed into a drainage system.
5. **SWEEPING:** Roadways and other paved areas shall be swept daily. Roadways or work areas shall not be washed down with water.
6. **VEHICLES AND EQUIPMENT:** Permittee shall prevent all vehicles, equipment, etc. from leakage or mud tracking onto roadways.
7. **MAINTENANCE AND FUELING OF VEHICLES AND EQUIPMENT:** Maintenance and fueling of equipment shall not result in any pollution at the job site. The Permittee shall immediately clean up spills, and properly dispose of contaminated soil and materials.
8. **CLEANING VEHICLES AND EQUIPMENT:** The Permittee shall clean all equipment within a bermed area or over a drip pan large enough to prevent run-off. No soaps, solvents, degreasers, etc shall be used in State right of way. Any water from this operation shall be collected and disposed of at an appropriate site.
9. **DIESEL FUELS:** The use of diesel fuel as a form-oil or solvent is not allowed.
10. **WEATHER CONDITIONS AT WORKSITE:** Any activity that would generate fine particles or dust that could be transported off site by stormwater shall be performed during dry weather.
11. **HOT MIX ASPHALT:** Runoff from washing hot mix asphalt shall not enter into any drainage conveyances.
12. **PROTECTION OF DRAINAGE FACILITIES:** The Permittee shall protect/cover gutters, ditches, drainage courses, and inlets with gravel bags, fiber rolls, etc., to the satisfaction of the State representative during grading, paving, saw-cutting, etc. No such protection measures shall cause an obstruction to the traveling public.
13. **PAINT:** Rinsing of painting equipment and materials is not permitted in state right-of-way. Oil based paint sludge and unusable thinner shall be disposed of at an approved hazardous waste site.
14. **CONSTRUCTION MATERIALS:** All construction materials, including concrete, grout, cement containing premixes, and mortar, shall be stored under cover and separated away from drainage areas. Stored materials shall not reach a storm drain.
15. **CONCRETE EQUIPMENT:** Concrete equipment shall be washed in a designated washing area that prevents effluent from discharging to drainage conveyances.
16. **EXISTING VEGETATION:** Established existing vegetation is the best form of erosion control. Disturbance to existing vegetation shall be minimized whenever possible. Damaged or removed vegetation shall be replaced as directed by the State Representative.
17. **SOIL DISTURBANCE:** Soil disturbing activities shall be avoided during the rainy season. If construction activities during wet weather are allowed in your permit, all necessary erosion control and soil stabilization measures shall be implemented.
18. **SLOPE STABILIZATION AND SEDIMENT CONTROL:** In cases where slopes are disturbed during construction, soil shall be secured with soil stabilization and sediment control measures. Fiber rolls or silt fences may be required downslope until permanent soil stabilization is established.
19. **STOCKPILES:** Sand, dirt, and similar materials shall be stored at least 50 feet from drainage features and shall be covered and protected with a temporary perimeter sediment barrier.
20. **DISCOVERY OF CONTAMINATION:** The State Representative shall be notified in case any unusual discoloration, odor, or texture of ground water, is found in excavated material or if abandoned, underground tanks, pipes, or buried debris are encountered.
21. **DEWATERING:** All dewatering operations shall comply with the latest Caltrans guidelines. Any effluent discharged into any storm water system requires approval from the Regional Water Quality Control Board. The Permittee shall provide the State Representative with a copy of the Waste Discharge Permit and a copy of a valid WDID number issued by the Regional Board.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ENCROACHMENT PERMIT ANNUAL UTILITY PROVISIONS
TR - 0160 (Rev. 6/2000)

Any public utility or public corporation who lawfully maintains a utility encroachment, or their agent, may perform routine or emergency maintenance on such facility in accordance with the following provisions:

UE1. EXCLUSIONS: These provisions do not authorize tree trimming, work on freeways, expressways, aerial capacity increase on designated "Scenic Highways," or other activities not specifically provided for in this permit.

UE2. POSSESSION OF PERMIT REQUIRED: The permit or a copy thereof shall be kept at the work site and must be shown to any Department representative or any law enforcement officer on demand. **WORK SHALL BE SUSPENDED IF PERMIT IS NOT AT JOB SITE AS PROVIDED.**

UE3. NOTICE REQUIRED: The permittee shall notify the Department's representative and the Transportation Management Center (TMC) 7 days before initiating a lane closure. A conformation notification should occur 3 days before closure. In emergency situations that may impact traffic, TMC and the Department's representative shall be notified as soon as possible.

UE4. STANDARDS OF WORK: All work shall conform to recognized standards of utility construction and Department's current Standard Specifications.

UE5. EMERGENCY REPAIRS: The permittee may make emergency repairs, alter traffic flow, and excavate through improved surfaces only when breaks in the conduit, cable, or pipeline over or under the pavement presents a definite public hazard or serious interruption of essential services. In such cases, the Department's representative shall be notified immediately.

UE6. OPEN EXCAVATIONS: No excavation shall be left open after daylight hours unless specifically authorized and adequate protection for traffic is provided in accordance with General Provisions, "Public Traffic Control." Backfill and pavement replacement shall be performed in accordance with General Provisions, "Restoration and Repairs in Rights of Way."

UE7. TRAFFIC CONTROL HOURS: Work requiring traffic control shall be conducted between 9:00 a.m. and 3:00 p.m. or as otherwise authorized by the Department's representative.

UE8. WORK PERMITTED --AERIAL:

1. Install additional capacity (in the same location), except facilities over the traveled way, on designated "Scenic Highways," or on Structures.
2. Maintain, inspect, remove, repair or replace (in the same location) all aerial facilities except over the traveled way or on Structures. Permittee is authorized to clear grasses from around base of poles and excavate around poles for inspection, including tamping and

straightening. This permit does not authorize the use of herbicides or other chemicals. A separate encroachment permit must be applied for and issued for that purpose.

3. Perform insulator washing and interconnect splicing of cables.
4. Install or remove service connections with potential to ground of 300 volts or less, except over the traveled way.
5. Install, maintain, remove, repair or replace aerial service connections with potential to ground of 300 volts or less, over the traveled way when specifically stated in permit.
6. Installations and clearances shall be equal to those required by either the State of California Public Utilities Commission orders or the California Occupational Safety and Health Regulations (CAL-OSHA), Division of Industrial Safety, Safety Orders, promulgated in the California Code of Regulations, Title 8, Chapter 4, whichever is greater.

UE9. WORK PERMITTED --UNDERGROUND:

1. Maintain, inspect, remove, repair or replace (in the same location) all underground facilities except those requiring trenching in the traveled way.
2. Install additional capacity in existing ducts except for facilities not in compliance with the Department's current "Manual on High and Low Risk Facilities within Highway Rights of Way" or on Structures.
3. Install air flow monitoring transducers and piping in existing ducts.
4. Barholing, potholing, cleaning, rodding and placing float ropes.
5. Adjust access cover to grade and replace in kind or with larger size pull boxes.
6. Interconnect splicing of cables.
7. Install service connections perpendicular to the highway using either directional drilling jacking and boring, or trenching methods as determined by the District Permit Engineer. Electrical service is restricted to a potential to ground of 300 volts or less. Gas and domestic water services are restricted to 2" (51 mm) in diameter or less.
8. Permanent pavement patching for work authorized by this permit.

UE10 FAILURE TO COMPLY: Failure to comply with the terms and conditions above shall be grounds for permit revocation.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ENCROACHMENT PERMIT UTILITY MAINTENANCE PROVISIONS
TR - 0161 (Rev. 6/2000)

Any public utility or public corporation who lawfully maintains a utility encroachment, or their agent, may perform routine or emergency maintenance on such facility in accordance with the following provisions (unless updated at some future time, hence the future provisions shall govern.

UM1. EXCLUSIONS:

These provisions do not authorize tree trimming, work on freeways, expressways, or other activities not specifically provided for in this permit.

All new underground or pipe abandon services must be covered by individual permits. See Section "OH 4" regarding service connections for aerial wires.

UM2. POSSESSION OF PERMIT REQUIRED:

The permit or a copy thereof shall be kept at the site of the work and must be shown to any Department's representative or any law enforcement officer on demand. **WORK SHALL BE SUSPENDED IF PERMIT IS NOT AT JOB SITE AS PROVIDED.**

UM3. ROUTINE INSPECTION AND MAINTENANCE:

1. Routine Maintenance and Inspection:

Roadbed work shall be conducted between 9:00 a.m. and 3:00 p.m., or as otherwise authorized, in writing, by the Department's representative.

UM3. NOTICE REQUIRED:

The permittee shall notify the Department's representative and the Transportation Management Center (TMC) 7 days before initiating a lane closure. A conformation notification should occur 3 days before closure. In emergency, situations that may impact traffic, TMC and the Department's representative shall be notified as soon as possible.

2. Manholes:

The permittee may open existing manholes to repair underground cables. Where the manhole lies within the improved surface of the highway, the permittee will provide adequate protection for traffic in accordance with the General Provisions "Public Traffic Control".

UM4. STANDARD OF WORK:

All work shall conform to recognized standards of utility construction and the Department's current Standard Specifications.

3. Excavations:

Routine inspection and repair of pipeline and cables shall:

A. Not be made in improved surfaces, landscaped areas or closer than 10' (3.04 m) to the edge of the pavement without a special permit; and

B. Not uncover more than 50' (15.24 m) of line at any one time.

UM5. EMERGENCY REPAIRS:

The permittee may make emergency repairs, alter traffic flow, and excavate through improved surfaces only when breaks in the conduit, cable or pipeline over or under the pavement present a definite public hazard or serious interruption of essential service. In such cases, the Department's representative shall be notified immediately.

4. Pole Lines:

Permittee is authorized to:

A. Stub, or reset existing pole, provided no change in location of pole or anchor is made. Stubs and anchors must not be placed between existing pole and traveled way.

UM6. OPEN EXCAVATIONS:

No excavation shall be left open after daylight hours unless specifically authorized and adequate protection for traffic is provided in accordance with the General Provisions "Protection of Traffic."

B. Replace poles, guy poles, and crossarms in same location limited to two (2) consecutive poles. No additional poles or guys poles are authorized under this routine maintenance provision.

Backfill and pavement replacement shall be performed in accordance with the applicable General Provisions (i.e., "Restoration and Repairs in Rights of Way").

C. Replace broken pins and insulators, repair broken wires, pull slack wires, and replace or pull broken or slack guys.

UM7. SERVICE CONNECTION:

These provisions do not authorize installation of conduit, cable, gas, or water service connections within State rights of way, regardless of the location of the main, existing conduit, or cable.

D. Repair and complete transfer work on existing aerial cables.

E. Install new and replace existing transformers on existing poles.

F. Replace aerial wires and crossarms on existing poles except where wires cross the highway. Unless otherwise specifically required by the Department, protected cable, tree wire or plastic tree wire guard used for communication lines may be used through trees where necessary, provided the appearance of the tree or the tree itself will not be damaged. *This section (F) does not apply to scenic highways.*

G. Installations and clearances shall be equal to those required by either the California Public Utilities Commission Orders or the California Occupational Safety and Health (CAL-OSHA) Safety Orders, whichever is greater. *Also see "OH 2" of the Overhead Utility Provisions.*

H. Clear grass from around base of poles and excavate around poles for inspection, including tamping and straightening. The use of herbicides or other chemicals is not authorized by this permit. A separate encroachment permit must be applied for and issued for that purpose.