



# COUNTY OF SAN JOAQUIN

DEPARTMENT OF PUBLIC WORKS  
P.O. BOX 1810-1810 E. HAZELTON AVENUE  
STOCKTON, CALIFORNIA 95201  
(209) 468-3000  
FAX # (209) 468-9324

Permit No: **PS-1602029**  
Date Issued: 07/12/2016  
Start Date: 07/12/2016  
Exp. Date: 09/15/2016  
Project No: PWP7110005  
Quad: WS

## ENCROACHMENT PERMIT

To: UTILITY TELECOM  
4202 CORONADO AVE  
STOCKTON CA 95204

### Encroachment Type:

Bore (up to 12 inch Dia)			
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### Location:

E/S LOS ANGELES AVE S/O HAZELTON AVE

In compliance with your request of **07/12/2016**, permission is hereby granted to do work in County right-of-way as shown on attached application and subject to all the terms, conditions and restrictions written below or printed as general or special provisions on any part of this form. See reverse side and attached sheet, if any.

Trench excavations for service connections will not be permitted within ten feet (10') of pavement centerline unless otherwise approved by the Director. Surface of trench patches shall match in kind and be smooth and even with that of abutting surface. Special attention shall be given to depth of utilities through roadside area in anticipation of future drainage facilities, road profile and/or frontage development. All underground utility facilities are to be established and accurately dimensioned on sketches from surveyed centerline of road right of way, or from right of way (border) lines.

Permittee shall call the Department of Public Works, Field Engineering Division (Permit Inspections) at (209)953-7421 at least forty-eight hours prior to beginning any work within the County right of way. All work performed under this permit shall conform to the rules and regulations pertaining to safety established by the California Division of Industrial Safety and Cal-OSHA.

The jobsite shall be kept in a safe condition at all times by the daily removal of any excess dirt or debris which might be a hazard to either pedestrian or automobile traffic. All necessary traffic convenience and warning devices and personnel shall be provided, placed and maintained by and at the sole expense of the Permittee in accordance with the latest edition of the CALTRANS Manual of Traffic Control.

After completion of the work permitted herein, all debris, lumber, barricades, or any excess material shall be removed and the jobsite left in a neat workmanlike manner. Immediately following completion of construction permitted herein, Permittee shall fill out and mail notice of completion (see attached post card) provided by Grantor.

### Special Comments:

Traffic Control Per MUTCD

FORMS: SS/WW, R-29

Est. Permit Fee: \$1,160.35

KRIS BALAJI, Director  
Department of Public Works

WHITE -Permittee  
GOLDENROD -PWD Central File  
YELLOW -Field Inspection  
PINK -Permit Section

By:   
Permit Section

## ENCROACHMENT PERMIT GENERAL PROVISIONS

13-1

1. This permit is issued under and subject to all laws and ordinances of agencies governing the encroachment herein permitted. See the following references:

### STREETS AND HIGHWAYS CODE

1. Division 1, Chapter 3
2. Division 2, Chapter 2, Section 942
3. Division 2, Chapter 4, Section 1126
4. Division 2, Chapter 5.5 and Chapter 6

SAN JOAQUIN COUNTY ORDINANCES NUMBERED: 324, 441, 648, 662, 672, 695, 700, 860, 892, 3359, and 3675.

2. It is understood and agreed by the Permittee that the performance of any work under this permit shall constitute an acceptance of all the provisions contained herein and failure on the Permittee's part to comply with any provision will be cause for revocation of this permit. Except as otherwise provided for public agencies and franchise holders, this permit is revocable on five days notice.
3. All work shall be done subject to the supervision of and the satisfaction of the grantor. The Permittee shall at all times during the progress of the work keep the County Highway in as neat and clean condition as is possible and upon completion of the work authorized herein, shall leave the County Highway in a thoroughly neat, clean and usable condition.
4. The Permittee also agrees by the acceptance of this permit to properly maintain any encroachment structure placed by the Permittee on any part of the County Highway and to immediately repair any damage to any portion of the highway, which occurs as a result of the maintenance of the said encroachment structure, until such time as the Permittee may be relieved of the responsibility for such maintenance by the County of San Joaquin.
5. The Permittee also agrees by the acceptance of this permit to make, at its own expense, such repairs as may be deemed necessary by the County Department of Public Works.
6. It is further agreed by the Permittee that whenever construction, reconstruction or maintenance work upon the highway is necessary, the installation provided for herein shall, upon request of the County Department of Public Works, be immediately moved or removed by and at the sole expense of the Permittee.
7. No material used for fill or backfill in the construction of the encroachment shall be borrowed or taken from within the County right of way.
8. All work shall be planned and carried out with as little inconvenience as possible to the traveling public. No material shall be stacked within eight feet (8') of the edge of the pavement or traveled way unless otherwise provided herein. Adequate provision shall be made for the protection of the traveling public. Traffic control standards shall be utilized including barricades; approved signs and lights; and flagmen, as required by the particular work in progress.
9. The Permittee, by the acceptance of this permit, shall assume full responsibility for all liability for personal injury or damage to property which may arise out of the work herein permitted or which may arise out of the failure of the part of the Permittee to properly perform the work provided under this permit. In the event any claim of such liability is made against the County of San Joaquin or any department, official or employee thereof, the Permittee shall defend, indemnify, and hold each of them harmless for such claim.
10. All backfill material is to be moistened as necessary and thoroughly compacted with mechanical means. If required by the County Director of Public Works, such backfill shall consist of gravel or crushed rock. The Permittee shall maintain the surface over structures placed hereunder as may be necessary to insure the return of the roadway to a completely stable condition and until relieved of such responsibility by the County Department of Public Works. Wherever a gravel, crushed rock or asphalt surface is removed or damaged in the course of work related to the permitted encroachment, such material shall either be separately stored and replaced in the roadway as nearly as possible in its original state or shall be replaced in kind, and the roadway shall be left in at least as good a condition as it was before the commencement of operations of placing the encroachment structure.
11. Whenever it becomes necessary to secure permission from abutting property owners for the proposed work, such authority must be secured by the Permittee prior to starting work.
12. The current and future safety and convenience of the traveling public shall be given every consideration in the location and methods of construction utilized.
13. The Permittee is responsible for the preservation of survey monuments located within the area of work herein permitted. Prior to the start of construction, survey monuments that potentially may be disturbed shall be located and referenced by a Licensed Land Surveyor, and a Corner Record filed with the County Surveyor. Any Survey Monuments disturbed during the course of construction shall be reestablished by a Licensed Land Surveyor and another Corner Record filed with the County Surveyor. (Land Surveyors' Act Section 8771)
14. Prior to any excavation, the Permittee shall notify USA North (Underground Service Alert of Northern California and Nevada) at 811 or 800-227-2600 forty-eight (48) hours in advance.

# APPLICATION FOR ENCROACHMENT PERMIT

2016 JUN 10 PM 1:44

PLEASE PRINT:

Date

6/8/16

To:

San Joaquin County  
Department of Public Works

Utility Telecom  
(Applicant Name)

4202 Coronado Ave

(Mailing Address)

Stockton, CA 95204

(City, State, Zip Code)

408 627-0101 (Agent)

(Area Code - Telephone Number)

OFFICE USE ONLY

JOB #

110005

REF #

APN

CR #

EXP. DATE

9-15-16

VALID

7-12-16 TO 9-15-16

STREET

Los Angeles Ave

AREA

Boggs Tract QUAD WS

TYPE

Bore

FORMS

SS WW R29

NOTES

DRIVEWAYS:

\*

\*

\*

Sketch (Detailed plans may be submitted)

see attached plans

The undersigned hereby applies for permission to excavate, construct and/or otherwise encroach on County Highway Right-of-Way on the East side of S. Los Angeles Ave approximately 603 feet/mile

of Installing approx 603' ft of new conduit for Fiber conveying to existing poles in city ROW. Using directional bore installing 3-1/2" Fiber conduit.

Work will commence on or about

6/26/16

for approximately

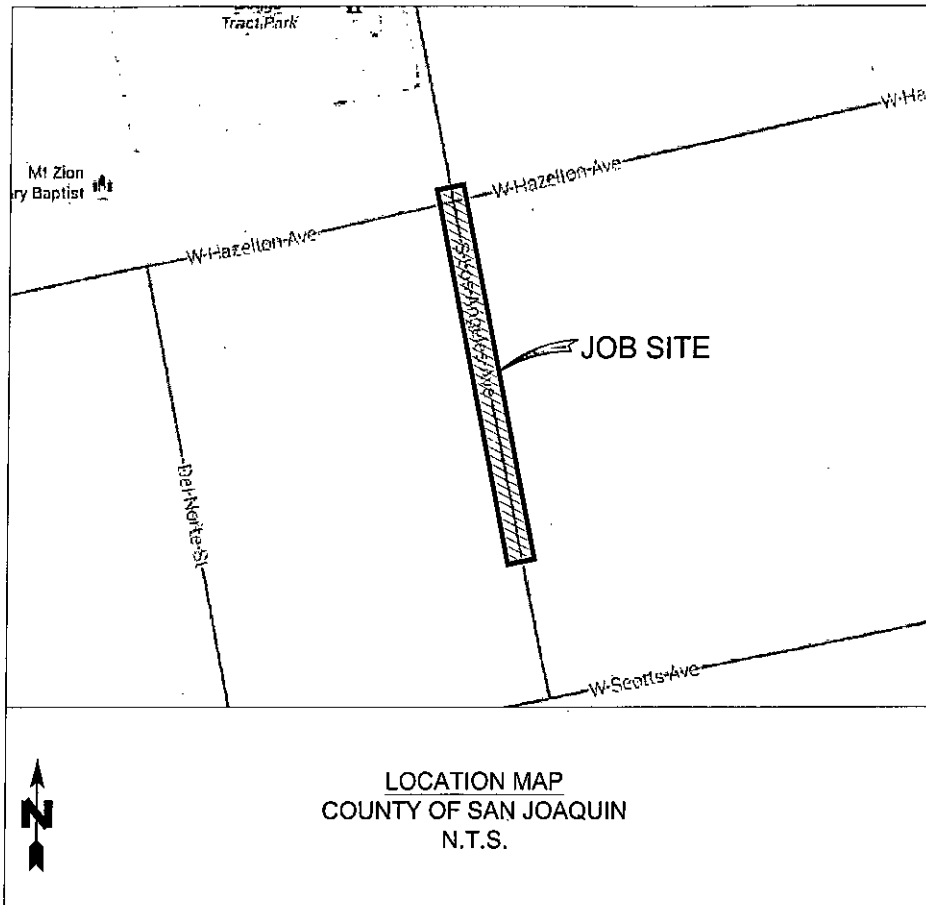
~~120~~ 21 days

days.

I, the undersigned, certify that I am the owner of the respective property, or am qualified to represent the owner and agree to do the work described above in accordance with the rules and regulations of San Joaquin County and subject to inspection and approval.

Signature of Applicant - Title

6/8/16  
Date



## TABLE OF CONTENTS

SHEET
01 COVER SHEET
02 NOTES
03 LEGEND
04 EXCAVATION PLAN

### TOTAL EXCAVATION: 403'

BORE	376	LF
ASPHALT CUT	15	LF
DIRT CUT	12	LF
S/W R&R	0	SF
POTHOLES (ASPHALT)	2	
BORE FITS (ASPHALT)	3	

### TOTAL CONDUIT FOOTAGE: 603'

## GENERAL CONSTRUCTION NOTES:

1. CONTACT USA\* FOR UNDERGROUND UTILITY LOCATES, 48 HOURS PRIOR TO CONSTRUCTION. CA PHONE NO.: 1-800-227-2800.
2. CONTRACTOR TO FOLLOW ALL OSHA, LOCAL, STATE, AND BUILDING CODES.
3. CONTRACTOR TO VERIFY ALL DIMENSIONS & MATERIALS REQUIRED.
4. MAINTAIN A MINIMUM 6" SWEEP ON ALL CONDUIT BENDS.
5. PLACE PULL ROPES IN ALL CONDUIT & INNERDUCTS.
6. CONTRACTOR MUST CLEAN UP WORK AREAS AT THE END OF EACH WORK DAY & REMOVE TRASH & DEBRIS FROM WORK SITE.
7. CONTRACTOR WILL GROUT & SEAL ALL BUILDING ENTRANCES WITH APPROVED MATERIALS.
8. PLACE BUSHINGS ON ALL CONDUIT ENDS, FOR CABLE PROTECTION.
9. PLACE TRIPLEX & BLANK DUCT PLUGS AT BUILDING ENTRANCE CONDUITS.
10. CONTRACTOR IS RESPONSIBLE FOR THE REPAIR/REPLACEMENT OF DAMAGED FACILITIES AND/OR PROPERTY.
11. ALL DISTURBED SURFACES WILL BE RESTORED TO ORIGINAL OR BETTER CONDITION.
12. ALL WORK TO BE PERFORMED PER CONSTRUCTION SPECIFICATION UNLESS OTHERWISE DIRECTED BY PROPERTY MANAGEMENT.
13. THE CONTRACTOR WILL PROVIDE AS-BUILT RECORDS TO BE GIVEN TO MANAGEMENT UPON COMPLETION OF CONSTRUCTION.
14. CONTRACTOR TO COMPLY WITH TRAFFIC CONTROL PLAN USE APPROPRIATE ATTACHMENT.
15. ALL EXISTING UTILITIES MUST BE POTHOLED BEFORE BEGINNING CONSTRUCTION.

## CONTRACTOR:

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY FIELD INSPECTION AND A SEARCH OF THE AVAILABLE CITY OR COUNTY RECORDS. SINCE THE ACTUAL LOCATION AND NATURE OF THE UNDERGROUND FACILITIES MAY BE SOMEWHAT DIFFERENT FROM THAT SHOWN, THE CONTRACTOR IS REQUIRED TO VERIFY THE INFORMATION THROUGH UNDERGROUND SERVICE ALERT (USA) OR BY CONTACTING THE UTILITY COMPANIES DIRECTLY PRIOR TO EXCAVATION.



**DIGALERT**  
CALL TOLL FREE  
48 HOURS BEFORE YOU DIG  
UNDERGROUND SERVICE ALERT  
(811)  
Know what's below.  
Call before you dig.

PLAN REVISIONS			
REV.	DATE	DESCRIPTION	BY



**Engineering Associates, Inc.**  
Communications Engineers  
1921 W. 11TH STREET  
UPLAND, CA. 91786  
PHONE: (909) 946-9776  
www.engineeringassociates.com

AGENCY/CITY:

COUNTY OF  
SAN JOAQUIN

REF#

APPLICANT:

**UtilityTelecom**  
Digital Business Communications

LOCATION:

LOS ANGELES AVE.  
& HAZELTON AVE.

JN# 1505278

DESIGN ON DATE: 06-21-18  
FIELD# A. DATE: 05-14-18

1 SHEET  
OF 4

## GENERAL CONSTRUCTION NOTES (CONT'D):

- A. UNLESS SHOWN OR SPECIFIED OTHERWISE, ALL CONSTRUCTION AND MATERIALS SHALL COMPLY WITH THE LATEST EDITION OF THE SAN JOAQUIN COUNTY IMPROVEMENT STANDARDS.
- B. THE CONTRACTOR SHALL NOT BEGIN ANY WORK SHOWN ON THESE PLANS UNTIL THE SIGNATURE OF APPROVAL OF THE COUNTY ENGINEER IS AFFIXED HEREON AND ALL APPLICABLE PERMITS HAVE BEEN OBTAINED.
- C. THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH COUNTY STAFF, OTHER AGENCY STAFF, CONTRACTOR, MATERIAL TESTING LAB, CONSULTANTS, AND OTHER APPROPRIATE PERSONNEL REPRESENTING THE DEVELOPER AT LEAST 2 WORKING DAYS IN ADVANCE OF ANY CONSTRUCTION ACTIVITIES.
- D. CONTRACTORS SHALL BE RESPONSIBLE FOR COORDINATING THEIR OPERATIONS WITH ALL REQUIRED MATERIALS TESTING SERVICES AS REQUIRED BY THE SAN JOAQUIN COUNTY IMPROVEMENT STANDARDS AND THE COUNTY INSPECTOR. EACH PHASE OF CONSTRUCTION SHALL BE TESTED AND APPROVED BY THE COUNTY INSPECTOR PRIOR TO PROCEEDING TO SUBSEQUENT PHASES.
- E. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES INVOLVED IN THE DEVELOPMENT PRIOR TO BEGINNING OF WORK.
- F. UTILITIES TO BE INSTALLED UNDER EXISTING PAVEMENTS SHALL BE DIRECTIONALLY BORED.
- G. NO PAVEMENT WORK WILL OCCUR WITHIN THE ROAD RIGHT-OF-WAY PRIOR TO COMPLETION OF ANY NECESSARY UTILITY POLE REMOVAL AND UTILITY UNDERGROUNDING WORK WITHIN THAT RIGHT-OF-WAY.
- H. CONTRACTOR SHALL NOTIFY "UNDERGROUND SERVICE ALERT" AT 811 AT LEAST TWO WORKING DAYS BEFORE STARTING ANY EXCAVATION ACTIVITIES.
- I. MATERIALS SUBMITTALS FOR MATERIAL INCORPORATED INTO THE WORK INCLUDING, BUT NOT LIMITED TO, AGGREGATE BASE, ASPHALT CONCRETE, AND CONCRETE MATERIALS SHALL BE SUBMITTED TO THE COUNTY R. AT LEAST 2 WEEKS PRIOR TO DELIVERY OF MATERIALS TO THE SITE.
- J. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SURVEY MONUMENTS AND/OR OTHER SURVEY MARKERS DURING CONSTRUCTION. ALL MONUMENTS OR MARKERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED BY A LICENSED CALIFORNIA LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
- K. PRIOR TO REQUESTING COUNTY ACCEPTANCE OF IMPROVEMENTS, THE CONTRACTOR SHALL SET STANDARDT. SURVEY MONUMENTS AT LOCATIONS REFERENCED BY ENGINEER. ALL SURVEY MONUMENTS SHALL BE PUNCHED AND SHALL BEAR THE LICENSE NUMBER OF THE SURVEYOR.
- L. CONTRACTOR SHALL NOTIFY THE APPROPRIATE SPECIAL DISTRICT, AFTER RECEIPT OF PERMITS AND PAYMENT OF REQUIRED FEES, PRIOR TO MAKING WATER OR SEWER TAPS.
- M. CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL CURRENTLY APPLICABLE SAFETY LAWS OF ALL JURISDICTIONAL BODIES. THE CONTRACTOR IS DIRECTED TO CONTACT THE CALIFORNIA STATE DEPARTMENT OF INDUSTRIAL RELATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BARRICADES, SAFETY DEVICES, AND CONTROL OF TRAFFIC WITHIN AND AROUND THE CONSTRUCTION AREA. FOR ALL TRENCH EXCAVATION 5 FEET OR MORE IN DEPTH, THE CONTRACTOR SHALL OBTAIN A PERMIT FROM THE CALIFORNIA STATE DIVISION OF INDUSTRIAL RELATIONS PRIOR TO BEGINNING ANY EXCAVATION.
- N. PUBLIC SAFETY AND TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE CALTRANS TRAFFIC MANUAL AND AS MAY BE DIRECTED BY THE COUNTY. ANY LANE CLOSURES (VEHICLE OR BICYCLE) SHALL BE APPROVED IN ADVANCE BY THE COUNTY. SAFE VEHICULAR, BICYCLE, AND PEDESTRIAN ACCESS SHALL BE PROVIDED AT ALL TIMES.
- O. THE CONTRACTOR SHALL MAINTAIN CONTINUOUS TEMPORARY TRAFFIC BARRICADES, WITH OPERABLE FLASHING DEVICES, SPACED AT INTERVALS OF NOT TO EXCEED 50 FEET WHENEVER THE WORK AREA IS ADJACENT TO AN EXISTING TRAFFIC LANE AND THERE IS A PAVEMENT CUT, TRENCH, OR DITCH WHICH IS OVER 2 INCHES IN DEPTH, OR IF THE TRAFFIC LANE USED BY VEHICLES IS NOT PAVED. IF THE CUT, TRENCH OR DITCH IS MORE THAN 10 FEET FROM A TRAFFIC LANE, THEN THE BARRICADE SPACING MAY BE GREATER, PROVIDED THAT IT DOES NOT EXCEED 200 FEET.
- P. CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES CONTRACTOR SHALL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF THE CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONTRACTOR FURTHER AGREES TO INDEMNIFY AND HOLD THE COUNTY OF SAN JOAQUIN, ITS OFFICERS, EMPLOYEES, AGENTS, AND VOLUNTEERS HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF THE WORK ON THIS PROJECT.
- Q. ALL CONSTRUCTION AND MATERIAL DELIVERY VEHICLES SHALL USE THE DESIGNATED ACCESS AND HAUL ROUTE(S) TO THE CONSTRUCTION SITE. ROUTE(S) IS (ARE) (DESIGN ENGINEER TO ENTER ROUTE DESCRIPTION OR REFERENCE DETAIL). ANY DEVIATION IN ROUTE(S) SHALL BE SUBJECT TO COUNTY ENGINEER APPROVAL. THE ROUTE(S) SHALL BE MONITORED DURING THE PROJECT FOR ANY DAMAGE AND DEBRIS ATTRIBUTABLE TO THE PROJECT VEHICLES. ALL DAMAGE AND DEBRIS AS A RESULT OF THE PROJECT SHALL BE REPAIRED PER COUNTY STANDARDS.
- R. IN THE EVENT THAT ANY STREET OR PORTION OF ANY STREET WILL BE CLOSED TO EMERGENCY TRAFFIC, THE CONTRACTOR SHALL NOTIFY SAN JOAQUIN COUNTY COMMUNICATIONS DISPATCH AT (530) 666-8920 PRIOR TO CLOSURE, AND IMMEDIATELY AFTER REOPENING SAID STREET.
- S. CONTRACTOR SHALL BE RESPONSIBLE FOR CONDUCTING HIS OPERATION ENTIRELY OUTSIDE OF ANY FLOODPLAIN BOUNDARIES UNLESS OTHERWISE APPROVED. THE 100-YEAR FLOODPLAIN BOUNDARIES SHALL BE CLEARLY DELINEATED IN THE FIELD PRIOR TO CONSTRUCTION.
- T. CONTRACTOR SHALL BE RESPONSIBLE FOR CONDUCTING HIS OPERATION ENTIRELY OUTSIDE OF ANY "NO GRADING" AREA. THESE AREAS SHALL BE CLEARLY DELINEATED IN THE FIELD PRIOR TO CONSTRUCTION.
- U. WHERE WORK IS BEING DONE IN AN OFF-SITE EASEMENT THE CONTRACTOR SHALL NOTIFY THE PROPERTY OWNER TWO WORKING DAYS PRIOR TO COMMENCING WORK WITHIN SAID EASEMENT. COPIES OF ALL SIGNED/APPROVED OFF-SITE EASEMENT AND/OR RIGHT-OF-ENTRY DOCUMENTS SHALL BE PROVIDED TO THE COUNTY.
- V. CONTRACTOR SHALL NOT DISPOSE OF CHLORINATED OR OTHER CHEMICALLY TREATED WATER INTO ANY DRAINAGE SYSTEM.
- W. CONTRACTOR SHALL PROVIDE EVIDENCE TO COUNTY OF NOTIFICATION OF LAKE OR STREAMBED ALTERATION TO THE CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE, IF NECESSARY.



**DIGALERT**  
CALL TOLL FREE  
48 HOURS BEFORE YOU DIG  
UNDERGROUND SERVICE ALERT  
(811)  
Know what's below.  
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PLAN REVISIONS			
REV.	DATE	DESCRIPTION	BY



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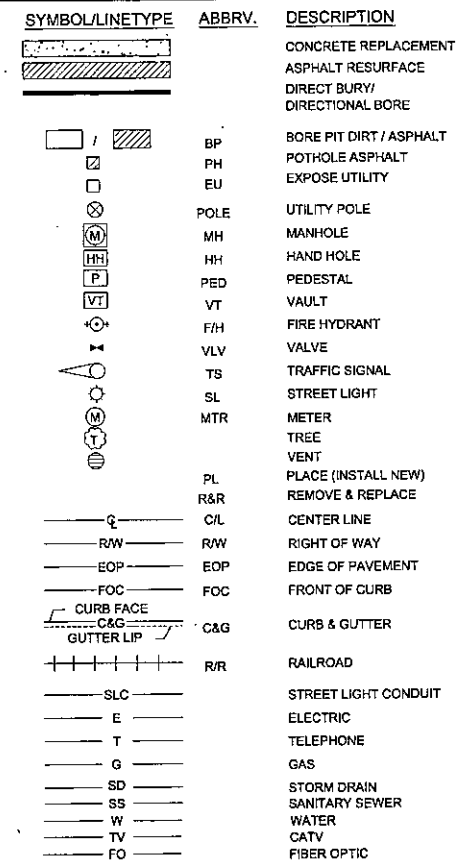
LOCATION:

LOS ANGELES AVE.  
& HAZELTON AVE.

JNF 1506278

DESIGN: ON DATE: 05-31-18  
FIELDER: A DATE: 05-14-18

2 SHEET  
OF 4



<u>ABBRV.</u>	<u>DESCRIPTION</u>			
BCF	BEHIND CURB FACE	S	SOUTH	
CBF	FROM CURB FACE	S'LY	SOUTHERLY	
CONC	CONCRETE	SE'LY	SOUTHEASTERLY	
EXIST	EXISTING	SW'LY	SOUTHWESTERLY	
U/G	UNDERGROUND	W	WEST	
S/W	SIDEWALK	W'LY	WESTERLY	
DW	DRIVEWAY	TYP	TYPICAL	
N	NORTH			
N'LY	NORTHERLY			
N'ELY	NORTHEASTERLY			
N'W'LY	NORTHWESTERLY			

The diagram shows a top-down view of a manhole. It is a hexagon with a smaller hexagon inside it. The outer hexagon is labeled 'CONDUIT COUNT' on the left and 'CONDUIT SIZE' on the right. The inner hexagon is labeled 'DISTANCE' on the left and 'X' on the right. There are also 'X' marks in the top-right and bottom-right corners of the inner hexagon.



APPLICANT:

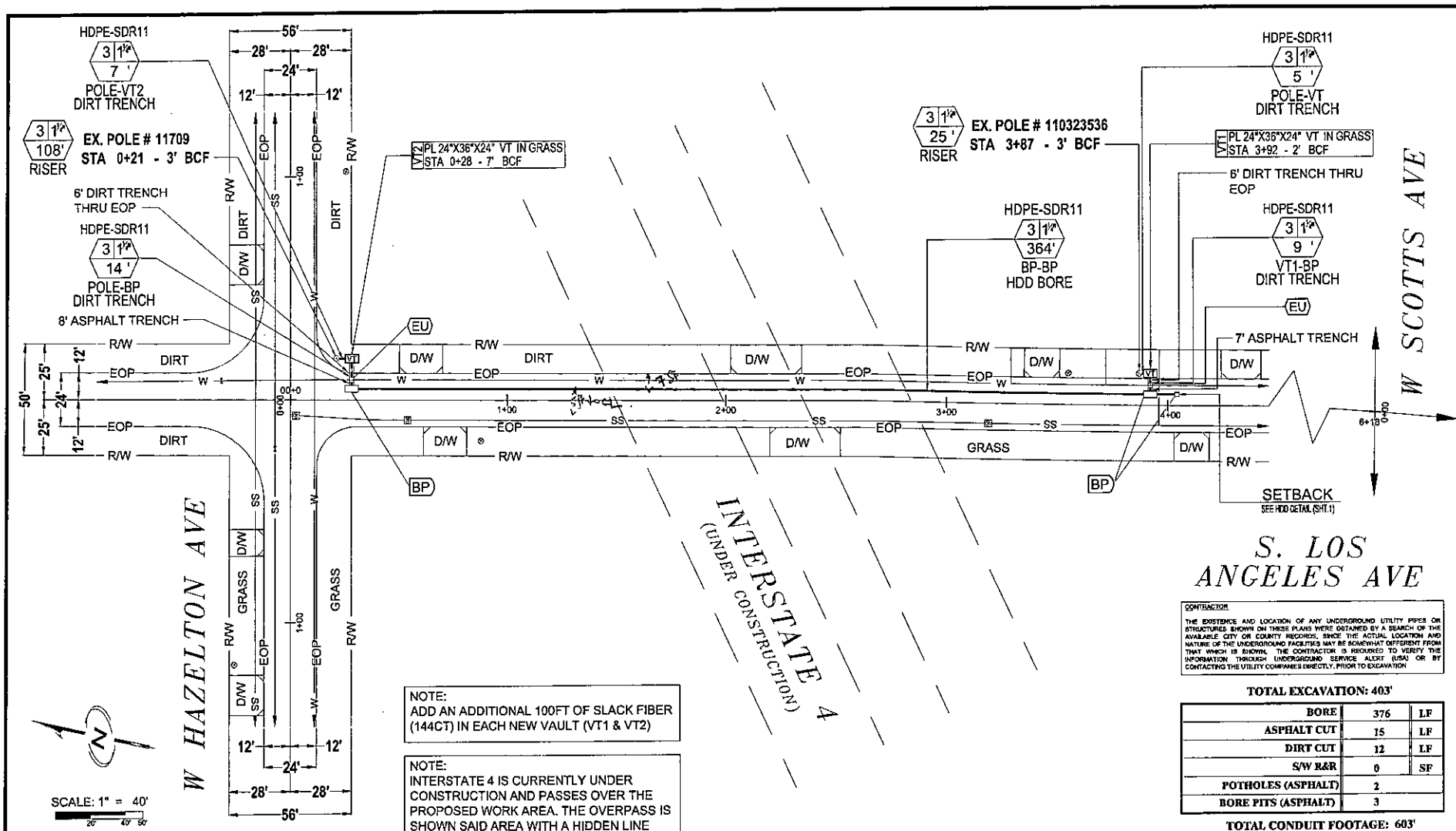
 **Utility Telecom**  
Digital Business Communications

LOCATION:

LOS ANGELES AVE.  
& HAZELTON AVE.

JNF 1506275

DESIGN: DN	DATE: 06-31-18	3	SHEET OF	4
DRAWN BY: A	DATE: 05-14-18			



<b>811 DIGALERT</b> CALL TOLL FREE 48 HOURS BEFORE YOU DIG UNDERGROUND SERVICE ALERT (811) Know what's below. Call before you dig.	<b>PLAN REVISIONS</b> <table border="1"> <thead> <tr> <th>REV.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	REV.	DATE	DESCRIPTION	BY																					<b>Engineering Associates, Inc.</b> Communications Engineers 1921 W. 11TH STREET UPLAND, CA. 91788 PHONE: (909) 946-9776 www.engineeringassociates.com	AGENCY/CITY: <b>COUNTY OF SAN JOAQUIN</b>	APPLICANT: <b>Utility Telecom</b> Digital Business Communications	LOCATION: <b>LOS ANGELES AVE. &amp; HAZELTON AVE.</b>
	REV.	DATE	DESCRIPTION	BY																									
REF#	JNR 1508278 DESIGN ON DATE: 06-31-18 FIELDER: J. DATE: 06-14-18	4 SHEET OF 4																											

- INDIVIDUALS WHO ARE KNOWLEDGEABLE IN THE PRINCIPLES OF PROPER TTC SHOULD BE ASSIGNED RESPONSIBILITY FOR SAFETY IN TTC ZONES, TO CHECK THAT ALL TTC DEVICES OF THE PROJECT ARE REASONABLY CONSISTENT WITH THE TTC PLAN AND ARE EFFECTIVE IN PROVIDING REASONABLY SAFE CONDITIONS FOR MOTORISTS, BICYCLISTS, PEDESTRIANS, AND WORKERS.

- AS WORK PROGRESSES TEMPORARY TRAFFIC CONTROLS AND/OR WORKING CONDITIONS SHOULD BE MODIFIED IN ORDER TO PROVIDE REASONABLY SAFE AND EFFICIENT ROAD USER MOVEMENT AND TO PROVIDE WORKER SAFETY. THE INDIVIDUAL RESPONSIBLE FOR TTC SHOULD HAVE THE AUTHORITY TO HALT WORK UNTIL APPLICABLE OR REMEDIAL SAFETY MEASURES ARE TAKEN.

- ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED AS SOON AS PRACTICAL WHEN THEY ARE NO LONGER NEEDED.

\* WHEN WORK IS SUSPENDED FOR SHORT PERIODS OF TIME, TTC DEVICES THAT ARE NO LONGER APPROPRIATE SHALL BE REMOVED OR COVERED.

- AUDIBLE INFORMATION DEVICES ARE TO BE USED, TO ASSIST PEDESTRIANS WITH VISUAL DISABILITIES, WHERE NEEDED.

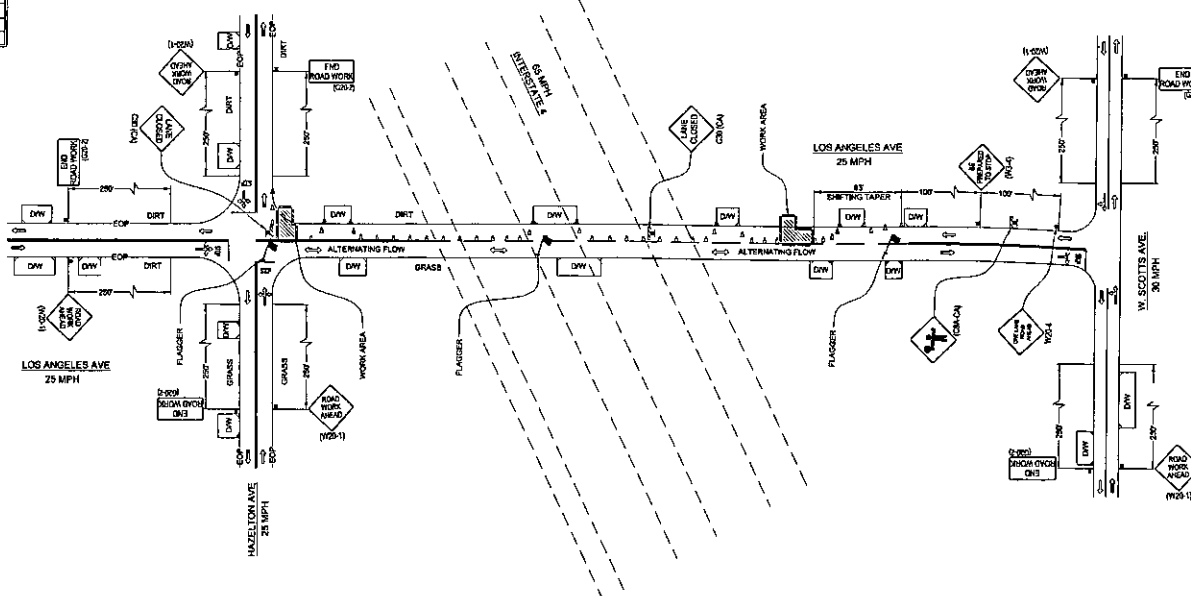
• ALL DRIVEWAYS ARE TO REMAIN OPEN AT ALL TIMES.

- ALL TTC WILL BE COMPLIANT WITH THE CALIFORNIA MUTED 2012.

ROAD TYPE	DISTANCE BETWEEN SIGNS**		
	A	B	C
URBAN FLOW SPEEDY < 25 MPH OR LESS	100	100	100
URBAN FLOW SPEEDY > 25 MPH TO 40 MPH	250	250	250
URBAN FLOW SPEEDY > 40MPH TO 60 MPH	350	350	350
RURAL	500	500	500
EXPRESSWAY / FREEWAY	1,000	1,500	2,040

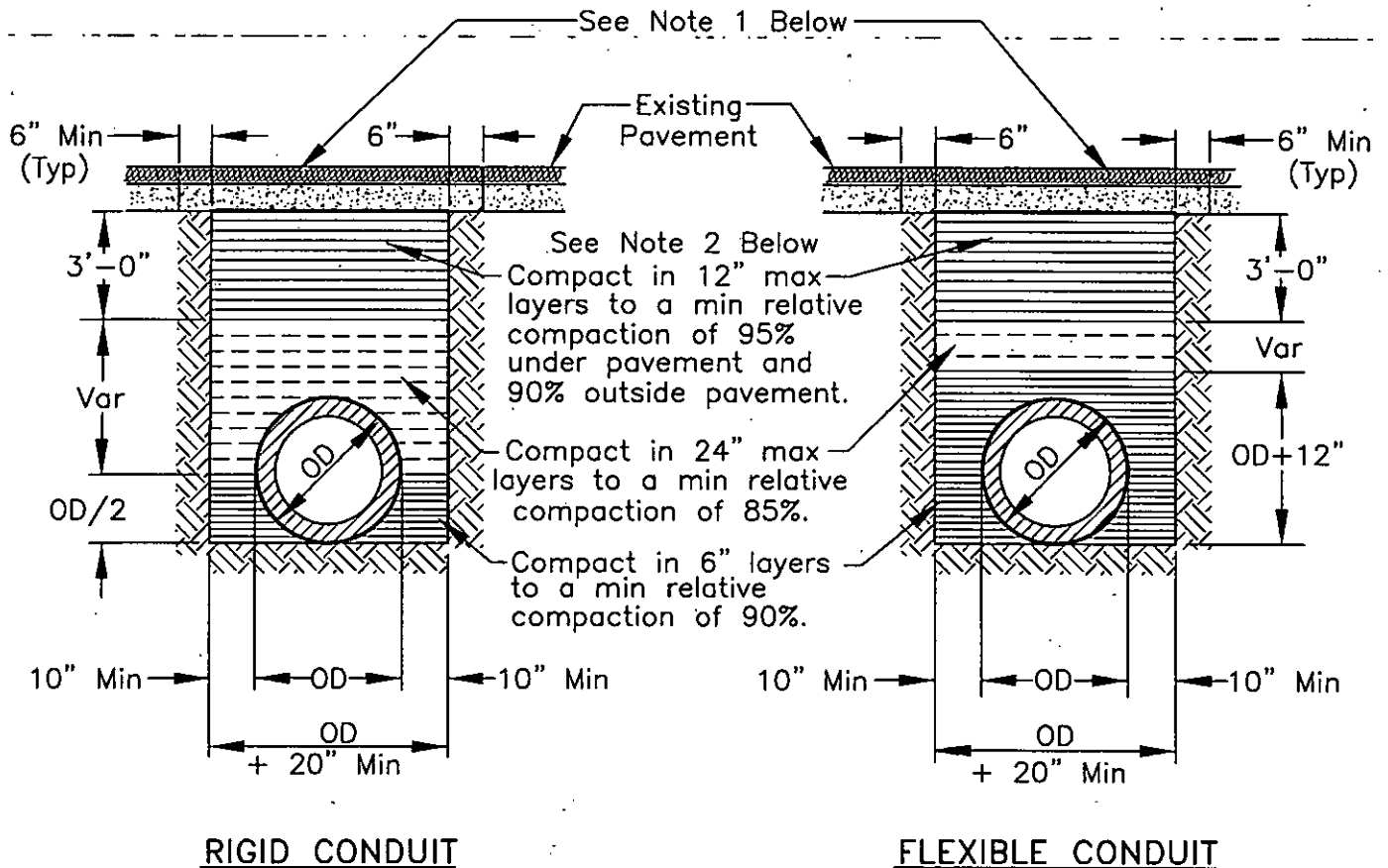
SPEED (GPM)	LONGITUDINAL TAPER LENGTH FOR WIDTH OF OFFSET 12 FT (M)				DOWN STROKE (FT)
	WENDING	SHIFTS	SHOULDER		
30	80	40	27		100
35	120	63	42		100
40	160	90	60		100
45	225	125	80		100
50	300	160	107		100
55	340	210	140		100
60	400	260	200		100
65	460	320	220		100
70	520	380	240		100
75	580	440	260		100
80	640	500	280		100

\* DISTANCES SHOWN IN PLE, THE 1<sup>ST</sup> DIMENSION IS THE DISTANCE FROM THE TRANSMITTER OR POINT OF REFLECTION TO THE FIRST ZONE, THE DIMENSION IS THE DISTANCE BETWEEN THE 1<sup>ST</sup> AND 2<sup>ND</sup> ZONES, THE 2<sup>ND</sup> DIMENSION IS THE DISTANCE BETWEEN THE 2<sup>ND</sup> AND 3<sup>RD</sup> ZONES, (THE 3<sup>RD</sup> IS THE 1<sup>ST</sup> DIMENSION 3<sup>RD</sup> DIMENSION DIMENSIONED BY A 1/2) DRAWING FOR ITS KINDS



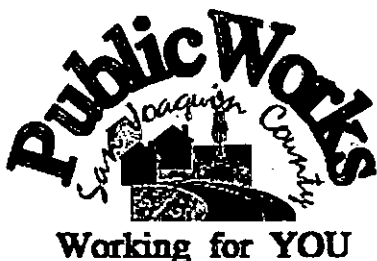
 <p><b>Engineering Associates, Inc.</b> Communications Engineers</p> <p>1821 W. 11TH STREET UPLAND, CA. 91786 PHONE: (909) 848-9776 <a href="http://www.engineeringassociates.com">www.engineeringassociates.com</a></p>	 <p><b>DIGALERT</b> CALL YOU 48 HOURS BEFORE YOU OOD UNDERGROUND SERVICE ALERT 911</p>		<p>OWNER/DEVELOPER:</p>  <p><b>Utility Telecom</b> <i>Digital Business Communications</i></p>								
	<p>Know what's below. Call before you dig.</p>										
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REV	DATE	DESCRIPTION	BY								





#### NOTES:

1. New pavement shall be 1" thicker than existing pavement, minimum of 0.25 Ft. New base shall be 1" thicker than existing base, min of 0.50 Ft.
2. Select native material or imported granular material as approved by the Director of Public Works. Backfill with materials equal to or better than the existing pavement and base in quality.
3. Relative compaction of materials shall be tested in accordance with the State of California, Dept. of Transportation Testing Manuals, test method No. California 216 or 231.
4. All existing pavement shall be neatly cut to line prior to trench excavation.
5. Jetting or ponding will be permitted within the street right-of-way with a 3 year bond, when approved by the Director of Public Works.
6. When shown by soil composition and compactability, ninety percent (90%) compaction may be used, when approved by the Director of Public Works.
7. Special bedding and backfill requirements may be shown on the plans or specified in the special provisions.



## TYPCAL TRENCH BACKFILL

COUNTY OF SAN JOAQUIN  
DEPARTMENT OF PUBLIC WORKS

Approved by:

No.	Revision	Description	Date

Date: DEC 2014

Std. Dwg. No.

**R-29**

## GENERAL PROVISIONS

### GOVERNING INSTALLATION OF SUBSURFACE STRUCTURES AND PIPELINES WITHIN COUNTY ROAD-RIGHTS-OF-WAY

#### PUBLIC CONVENIENCE AND SAFETY:

- A. Before obstructing any private driveway entrance or County road traveled way with a trench, spoil bank, equipment or other barrier permitted for any prolonged period of time, the Permittee shall notify the known users of the respective thoroughfare(s) involved, and shall provide access for vehicular and pedestrian traffic to and from the road.
  - 1. Unless otherwise permitted, all work shall be conducted in such a manner that no less than one lane of the existing County road traveled way will be maintained open to public traffic during working hours in a smooth and safe riding condition(s). Two lanes shall be open after working hours.
  - 2. In cases where road closure is permitted, the permission to close the road will be granted under the condition that the Permittee notify the following persons and/or agencies of the time, the period of closure, and the detour route at least twenty-four (24) hours prior to said road closure.
    - a. The County of San Joaquin Public Works Department
    - b. The County of San Joaquin Sheriff's Office
    - c. The local postal service
    - d. The local fire district
    - e. The local school district
    - f. The local residents involved
- B. Should hazardous conditions relative to the installation operations warrant flagmen, as many capable flagmen as may be necessary shall be provided by the Permittee and stationed in advance of work to warn and direct traffic.
- C. Lights, signs and barricades shall be furnished, erected and maintained by the Permittee for the adequate warning and convenience of the public, with particular attention to be taken in this regard after dark.
- D. Any excess dirt and/or debris which might be a hazard to either automobile or pedestrian traffic, uncontrollable by lights, signs and barricades, shall be removed from the jobsite daily.

#### STRUCTURES:

- A. Walls of structures shall be such quality and strength that they will resist all pressures and will not crack or be deformed in such a way as to create a hazard or maintenance problem at any time. Therefore, the minimum structural requirements for concrete pipe placed under county road rights-of-way shall conform to the following American Association of State Highway and Transportation Officials (AASHTO) designations.
  - 1. For concrete pipe up to and including thirty-three inches (33") inside diameter, extra strength concrete conforming to AASHTO Designation M 170M.
  - 2. For concrete pipe thirty-six inches (36") inside diameter and larger, reinforced concrete pipe conforming to AASHTO Designation M 170M Class III.
  - 3. Plastic pipe conforming to AASHTO Designation M294.
- B. All concrete pipe joints with County road rights-of-way shall be sealed against leakage and/or infiltration with rubber gasket in conformance with Section 65-1.06 of the California Standard Specifications, or with other methods as may be permitted under the Special Provisions.
- C. Cast-in-place concrete pipe, vitrified clay pipe, spiral welded steel pipe, or corrugated aluminum alloy pipe shall not be installed within the County road rights-of-way unless specifically so stated in the Special Provisions, and only under the conditions as provided.
- D. All structures to be buried within the County rights-of-way shall be set at such elevations as to allow minimum coverage of thirty inches (30") to the centerline of the roadways and twelve inches (12") at the bottoms of borrow ditches each side of the roadways. The depths of structures shall be established below a flat plane extending across the rights-of-way, no part of which shall extend above the elevations stated above; manholes, lampholes, valves, etc. not included. Future surface elevations shall be anticipated as nearly as possible and structure elevations shall be established for future adjustments accordingly.
- E. The County hereby reserves the right to specify in the Special Provisions the gage and surface treatment of any galvanized corrugated metal pipe that is to be installed.
- F. All longitudinal utility facilities are to be established (and dimensioned on sketches) from surveyed centerline of road right-of-way, not from right-of-way (border) lines.

#### REPAIRS OF THE COUNTY RIGHT-OF-WAY:

- A. All excavations shall be backfilled and compacted immediately after work therein has been completed.
- B. Trenched shall not be left open farther than 300 feet in advance of pipe laying operations, or 200 feet to the rear thereof, unless otherwise permitted by the Engineer.
- C. Unless otherwise permitted under the Special Provisions, backfill shall be placed and mechanically compacted in such a manner that the relative compaction throughout the entire fill within the County road right-of-way shall conform to the percentages of compaction as shown on the Trench detail.
- D. Backfill material shall be placed in horizontal uniform layers not to exceed in thickness, before compaction, 0.67 foot in the bedding region, one foot where 90% compaction is required, and two feet where 80% compaction is required.
- E. No portion of the excavation(s) shall be compacted by ponding or jetting unless a maintenance bond is provided.
- F. Gravel backfill material shall be utilized only where specifically so stated on the face of the permit. It shall be compacted by means of a high-frequency internal vibrator, the compactor to be a size and type approved by the Engineer. Points of compaction shall not be greater than 18" centers and to the full depth of the lift.
- G. All pavements, curbs, gutters, sidewalks, borrow ditches, pipes, head walls, road signs, trees, shrubbery, and/or other permanent road facilities impaired by or as a result of construction operations at the construction site(s) occupied by materials and/or equipment, shall be restored immediately upon backfilling of the excavation to the original grades and cross sections, and to a condition as good as, or better than existing prior to construction.
- H. All surfacing materials of roadways and driveway approaches cut or damaged by or as a result of construction operations, shall be replaced within ONE WEEK following the backfilling of excavation, weather permitting, with compacted layers of surfacing materials at least as thick as the existing, and no less than two inches (2") of asphalt concrete over six inches (6") of aggregate base, both as specified below.
  - 1. Asphalt Concrete: Combined mineral aggregate shall conform to the quality and gradation requirements for Type "B" one-half inch (1/2) maximum aggregate, coarse or medium gradation as specified in Section 39 of the California Standard Specifications. The bituminous binder to be mixed with mineral aggregate shall be paving asphalt having (Grade PG 64-10), unless otherwise directed by the Engineer. Placement of asphalt concrete surfacing shall conform to the applicable provisions of Section 39 of the California Standard Specifications.
  - 2. Aggregate Base: Combined mineral aggregates shall conform to the quality and the grading for three-quarter inch (3/4") maximum size aggregate Class 2 Aggregate Base specified in Section 26 of the California Standard Specifications.
- I. Before acceptance of repairs to the County road rights-of-way, all unsightly and detrimental dirt, dust and/or debris shall be removed and the construction areas left in a neat and presentable condition(s).
  - 1. If necessary, County road traveled way and driveway pavements shall be washed with water to remove dirt and dust.
  - 2. Driveway approaches and field entrance pavements damaged by equipment or spoil banks shall be repaired as directed by the Engineer.
- J. Upon request by the County, any settlement, sagging of surface, or cracking of pavement shall be repaired immediately by and at the sole expense of the Permittee for a period of one year following acceptance of the work.

## SPECIAL PROVISIONS

### Winter Weather Utility Work

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1. **SUPERVISION:** The utility company (**permittee**) shall furnish full-time supervision of all work to insure compliance with the permit provision.
2. **START OF WORK:** No work within the County right-of-way shall be started until the utility company representative has made an evaluation of weather conditions and has determined the work can be accomplished under the provisions of the permit.
3. **CLEAN PAVEMENT:** Dirt and mud shall not be deposited on the pavement outside the area of work, and if inadvertently tracked onto the road travel way shall be removed immediately.
4. **DAILY RESTORATION:** Private driveways and road intersections shall be restored daily.
5. **WEATHER-TIGHT CONDITIONS:** All trenches shall be filled and compacted, ditches and other drainage facilities regarded and opened, and the entire work area restored to weather-tight condition prior to any rain.