



# 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-1802574  
Date Issued: 07/16/2018  
Start Date: 07/16/2018  
Exp. Date: 09/01/2018  
Project No: PWP240007  
Quad: ES

UE/CR/PM NO:8407

## ENCROACHMENT PERMIT

To: CALIFORNIA WATER SERVICE  
1602 E LAFAYETTE ST  
STOCKTON, CA 95205

### Encroachment Type:

Trench			
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### Location:

ARDELLE AVE

In compliance with your request of **07/16/2018**, 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
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### FORMS:

SS/WW, R-29		
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Est. Permit Fee: \$0.00

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

PLEASE PRINT:

Date 6-29-2018

To: San Joaquin County  
Department of Public Works

CALIFORNIA WATER SERVICE  
(Applicant Name)

1608 E. LAFAYETTE ST  
(Mailing Address)

STOCKTON CA 95205  
(City, State, Zip Code)

(209) 464-8311  
(Area Code - Telephone Number)

#8407

OFFICE USE ONLY		
JOB #	<u>240007</u>	REF #
APN		CR #
EXP. DATE		
VALID	TO	DRIVEWAYS:
STREET		*
AREA	QUAD	*
TYPE		*
FORMS		
NOTES		

Sketch (Detailed plans may be submitted)

See attached

The undersigned hereby applies for permission to excavate, construct and/or otherwise encroach on County Highway Right-of-Way on the \_\_\_\_\_ side of \_\_\_\_\_, approximately \_\_\_\_\_ feet/mile \_\_\_\_\_ of \_\_\_\_\_, by performing the following work (description of work):

Ardelle Ave. Road Improvements (Anthony Ave to Bird Ave.)  
Install 11 offsets and lower/extend services and gate valves as needed per County  
Open trench and bellholes as needed. "No fee"

Work will commence on or about 6-29-2018 for approximately 60 days.

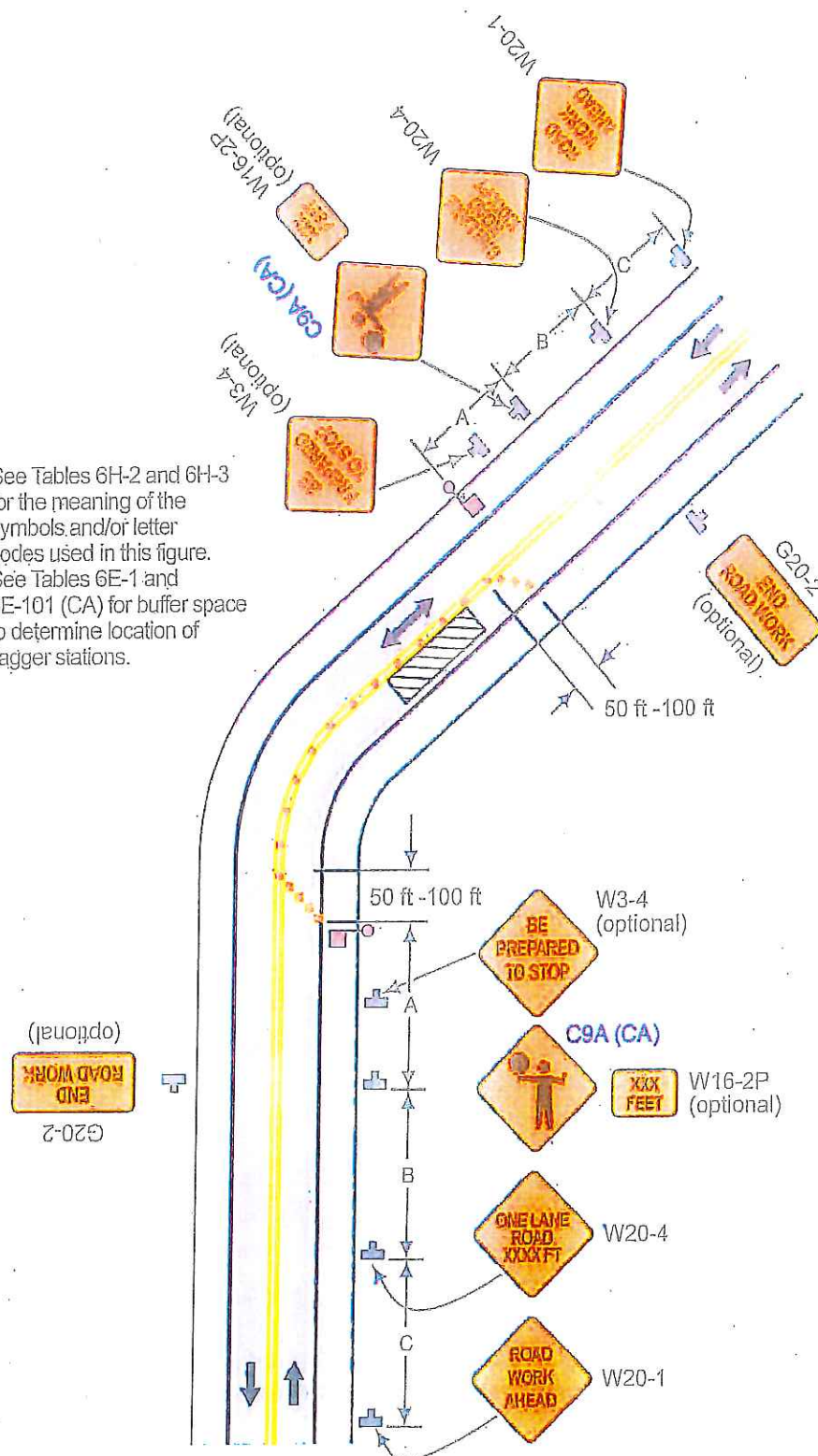
I, the undersigned, certify that I am the owner of the respective property, or am qualified to represent the owner and agree to do the work described above in accordance with the rules and regulations of San Joaquin County and subject to inspection and approval.

David Elorduech Jr - Operations Clerk  
Signature of Applicant - Title

6-29-2018  
Date

**Figure 6H-10 (CA). Lane Closure on Two-Lane Road Using Flaggers (TA-10)**

- Note: 1. See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.  
2. See Tables 6E-1 and 6E-101 (CA) for buffer space to determine location of flagger stations.



**Typical Application 10**



Figure 6H-27. Closure at the Side of an Intersection (TA-27)

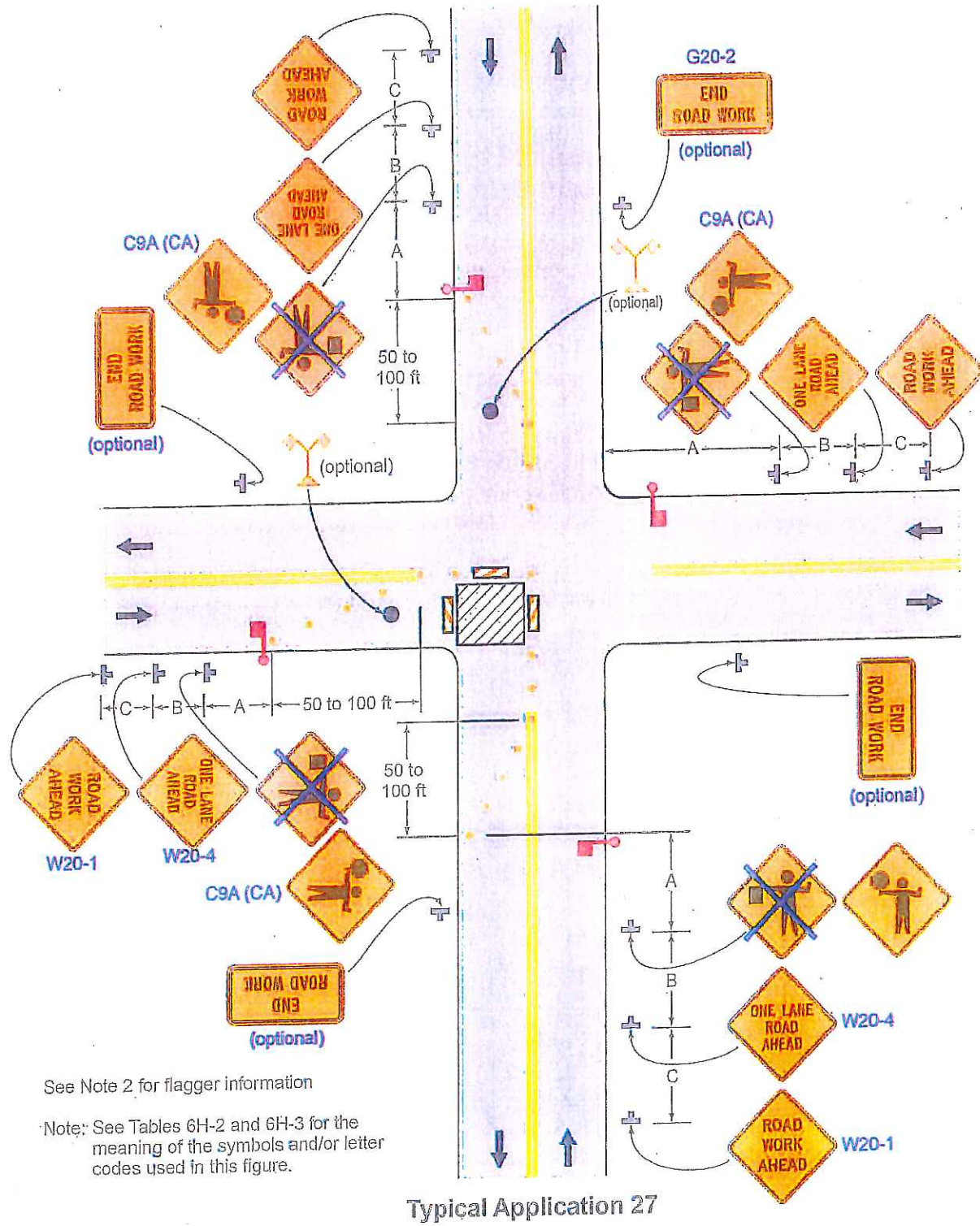


Table 6H-1(CA). Index to Typical Applications

Typical Application Description	Typical Application Number
Work affecting Pedestrian and Bicycle Facilities (see Section 6G.05)	
Shoulder Closure on Urban (Low Speed) Locations to Accommodate Bicyclists	TA-101(CA)
Lane Closure on Freeway, Expressway, Rural and Urban (High Speed) Locations to Accommodate Bicyclists	TA-102(CA)
Detour for Bike Lane on Roads with Closure of One Travel Direction	TA-103(CA)
Right Lane and Bike Lane Closure on Far Side of Intersection	TA-104(CA)
Work Within the Traveled Way of a Two-Lane Highway (see Section 6G.10)	
Lane Shift on Road with Low Traffic Volumes	TA-105(CA)

Table 6H-2. Meaning of Symbols on Typical Application Diagrams


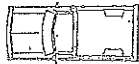





















	Arrow board		Shadow vehicle
	Arrow board support or trailer (shown facing down)		Sign (shown facing left)
	Changeable message sign or support trailer		Surveyor
	Channelizing device		Temporary barrier
	Crash cushion		Temporary barrier with warning light
	Direction of temporary traffic detour		Traffic or pedestrian signal
	Direction of traffic		Truck-mounted attenuator
	Flagger		Type 3 barricade
	High-level warning device (Flag tree)		Warning light
	Longitudinal channelizing device		Work space
	Luminaire		Work vehicle
	Pavement markings that should be removed for a long-term project		

Table 6H-3. Recommended Advance Warning Sign Minimum Spacing

Road Type	Distance Between Signs**		
	A	B	C
Urban - 25 mph or less***	100 feet	100 feet	100 feet
Urban - more than 25 mph to 40 mph***	250 feet	250 feet	250 feet
Urban (high-speed) - more than 40 mph***	350 feet	350 feet	350 feet
Rural	500 feet	500 feet	500 feet
Expressway/ Freeway	1,000 feet	1,500 feet	2,640 feet

\* Speed category to be determined by the highway agency.

\*\* The column headings A, B, and C are the dimensions shown in Figures 6H-1 through 6H-46. The A dimension is the distance from the transition or point of restriction to the first sign. The B dimension is the distance between the first and second signs. The C dimension is the distance between the second and third signs. (The "first sign" is the sign in a three-sign series that is closest to the TTC zone. The "third sign" is the sign that is furthest upstream from the TTC zone.)

\*\*\* Posted speed limit; off-peak 85th-percentile speed prior to work starting, or other anticipated operating speed in mph.

Table 6H-4. Formulas for Determining Taper Length

Speed (S)	Taper Length (L) in feet
40 mph or less	$L = \frac{WS^2}{60}$
45 mph or more	$L = WS$

Where: L = taper length in feet

W = width of offset in feet

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

Table 6H-4(CA). Taper Length Criteria for Temporary Traffic Control Zones  
(for 12 feet Offset Width)

Speed* S (mph)	Minimum Taper Length** for Width of Offset 12 feet (W)			
	Merging L (feet)	Shifting L/2 (feet)	Shoulder L/3 (feet)	Down Stream (feet)***
20	80	40	27	50
25	125	63	42	50
30	180	90	60	50
35	245	123	82	50
40	320	160	107	50
45	540	270	180	50
50	600	300	200	50
55	660	330	220	50
60	720	360	240	50
65	780	390	260	50
70	840	420	280	50
75	900	450	300	50

\* - Posted speed limit, off-peak 85<sup>th</sup>-percentile speed prior to work starting, or the anticipated operating speed in mph.

\*\* - For other offsets use the following merging taper length formula for L:

For speeds of 40 mph or less,  $L = WS^2/60$

For speeds of 45 mph or more,  $L = WS$

Where:

L = taper length in feet

W = width of offset in feet

S = posted speed limit, off-peak 85<sup>th</sup>-percentile speed prior to work starting, or the anticipated operating speed in mph

\*\*\* - Maximum downstream taper length is 100 feet. See Section 6C.08.



Table 6F-101(CA). Maximum Spacing of Channelizing Devices

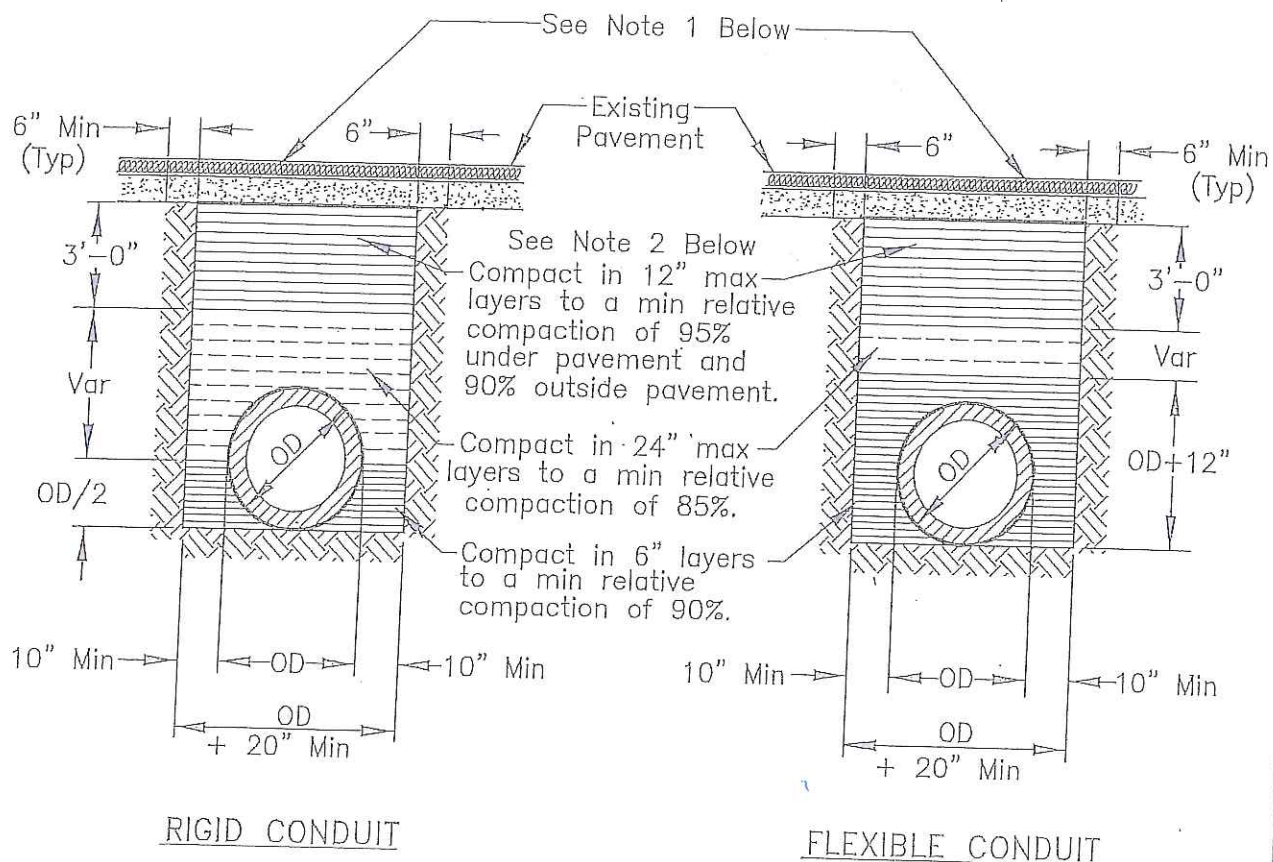
Speed (mph)	Maximum Channelizing Devices Spacing		
	Taper*	Tangent	Conflict**
20	20	40	10
25	25	50	12
30	30	60	15
35	35	70	17
40	40	80	20
45	45	90	22
50	50	100	25
55	50	100	25
60	50	100	25
65	50	100	25
70	50	100	25
75	50	100	25

\* Maximum channelizing device spacing for all speeds on one-lane/two-way tapers is 20 feet.

Maximum channelizing device spacing for all speeds on downstream tapers is 20 feet.

All other tapers are as shown.

\*\* Use on intermediate and short-term projects for taper and tangent sections where there are no pavement markings or where there is a conflict between existing pavement markings and channelizing devices.



#### 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.



### TYPICAL TRENCH BACKFILL

COUNTY OF SAN JOAQUIN  
DEPARTMENT OF PUBLIC WORKS

Approved by:

*Thomas M. Hall*

No.	Revision	Description	Date

Date: DEC 2014

Std. Dwg. No.

R-29

## SPECIAL CONDITIONS FOR ENCROACHMENT PERMIT

1. Maintain traffic controls for all roads. Traffic control delays shall not exceed 15 minutes. Two-way traffic shall be maintained during non-working hours with excavated areas backfilled or plated. During working hours, two-way traffic control shall be maintained with one lane open and appropriate flaggers. The contractor shall submit traffic control plans for all signing, detours, and any lane closure impacting County right-of-way.
2. Access to all properties shall be maintained at all times except when work is occurring at the access point. Minimal delays will be allowed to provide access within the work zone area. Driveway access shall be fully restored at the end of each workday. Driveways disturbed by the contractor shall be replaced with in-kind or better materials.
3. Residents and businesses shall be notified in writing, as approved by the County, 48 hours in advance of any impacts to their access.
4. Any areas where parking is to be restricted shall have signs noting the restrictions in place at least 48 hours in advance.
5. Existing fences shall not be removed without written consent of the property owner. Such consent shall be submitted to the County prior to the removal. Fences removed shall be restored with in-kind or better materials. Restored fences shall not encroach into County right-of-way.
6. Work shall not be permitted within the San Joaquin County right-of-way between November 1 and March 31 without prior authorization from the San Joaquin County Department of Public Works Field Engineering Division, contact them at 209-953-7421.
7. All destroyed or obliterated pavement markings must be replaced in kind by the permittee. Typical pavement markings include but not limited to lane lines, centerlines, stop and stop ahead legends, limit lines, raised pavement markers and miscellaneous delineators.
8. 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)
9. All pipe and pipeline related facilities including, but not limited to, valves, utility boxes and vaults, and frames and covers shall be maintained by CALIFORNIA WATER SERVICE including any facilities that are abandoned in place. CALIFORNIA WATER SERVICE shall be responsible for any and all costs associated with the removal, relocation and/or adjustment of these facilities as determined by the County at CALIFORNIA WATER SERVICE's expense. (Streets and Highways Code Section 1463)
10. All future maintenance of the pipeline and related facilities within the County right-of-way will require a San Joaquin County Encroachment Permit.



11. Trenches shall be maintained in a smooth and even condition to the satisfaction of the County throughout the project limits at all times.
12. All trenches shall be completely backfilled or shored and plated at the end of each workday, and the roadway restored to two-way traffic. If plating is to be used, a trench shoring and plating plan suitable for traffic loadings shall be prepared by a registered civil engineer and submitted for prior approval by the County.
13. The contractor shall use San Joaquin County Improvement Standard R-29 when backfilling trenches within the County right-of-way. Where the existing road structural section is below standard, a minimum section of 3 inches of asphalt concrete over 8 inches of aggregate base shall be required.
14. Final paving for trench repair or road resurfacing shall be per Caltrans' specifications and shall not occur between November 1 and March 31, without prior authorization from the San Joaquin County Department of Public Works Field Engineering Division, contact them at 209-953-7421.
15. No paving joints are allowed within paved shoulder; contractor shall pave all the way to outer edge of paved shoulder.
16. Class II Aggregate Base shoulder backing is required from the edge of pavement, a minimum of 4-inches thick by 4-feet wide.
17. Contractor shall establish existing roadway and drainage grades within the construction area. Any repair to roadways and adjacent areas shall match existing grades. Any proposed grade changes shall receive prior approval from County.
18. Above ground vaults, panels and/or other similar facilities will be allowed within the right-of-way if located as far to the outside edge as possible. Utility vaults shall be located a minimum of 4'-0" from edge of pavement.
19. County roads shall be kept clean from mud and debris at all times along the access points and work zone areas during entire project. All standard roadway striping and signage shall be clearly visible, maintained and restored throughout the construction zone during and after the project.
20. In addition to standard dust control measures, streets shall be maintained in a clean condition, free of dirt, mud and debris during construction activities. The contractor shall provide daily, or as needed, street sweeping using a modern mechanical or vacuum-assisted street sweeper.
21. The contractor shall not conduct construction operations in rain or heavy fog conditions.
22. No alterations shall be abandoned in place. Remove.
23. Service laterals need to be lowered to accommodate new Storm Drain and Catch Basins.
24. Water meters and water valves need to be moved away from curb flowline.

Special Conditions for  
ENCROACHMENT PERMIT

-3-

25. Top of 4 inch water line should be lower then 22.5 elevation.

ENGINEERING



DEPARTMENT

REVISIONS

DATE

BY

CHKD BY

APPROVED BY

TITLE

STOCKTON

DATE

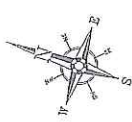
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PROJECT NO.

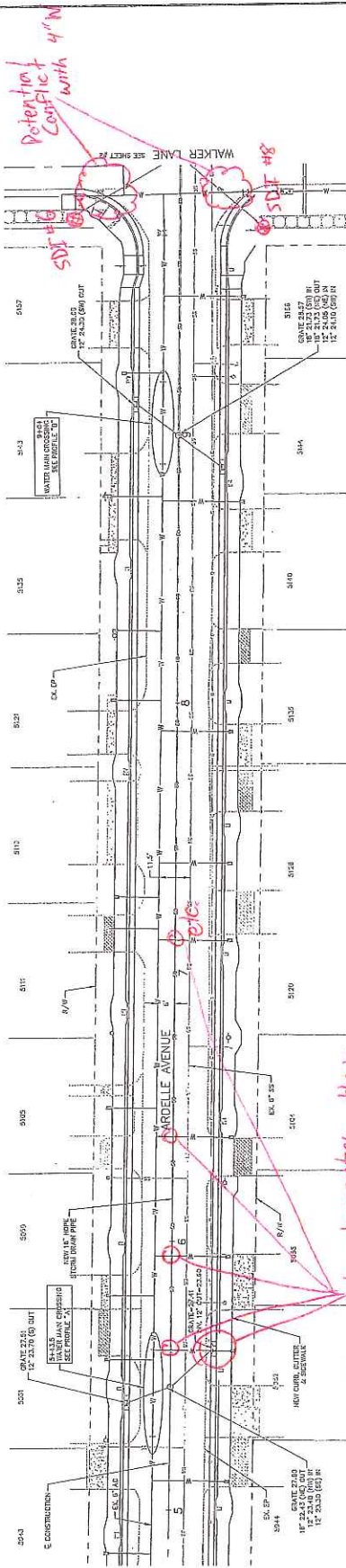
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UTILITY NOTE:

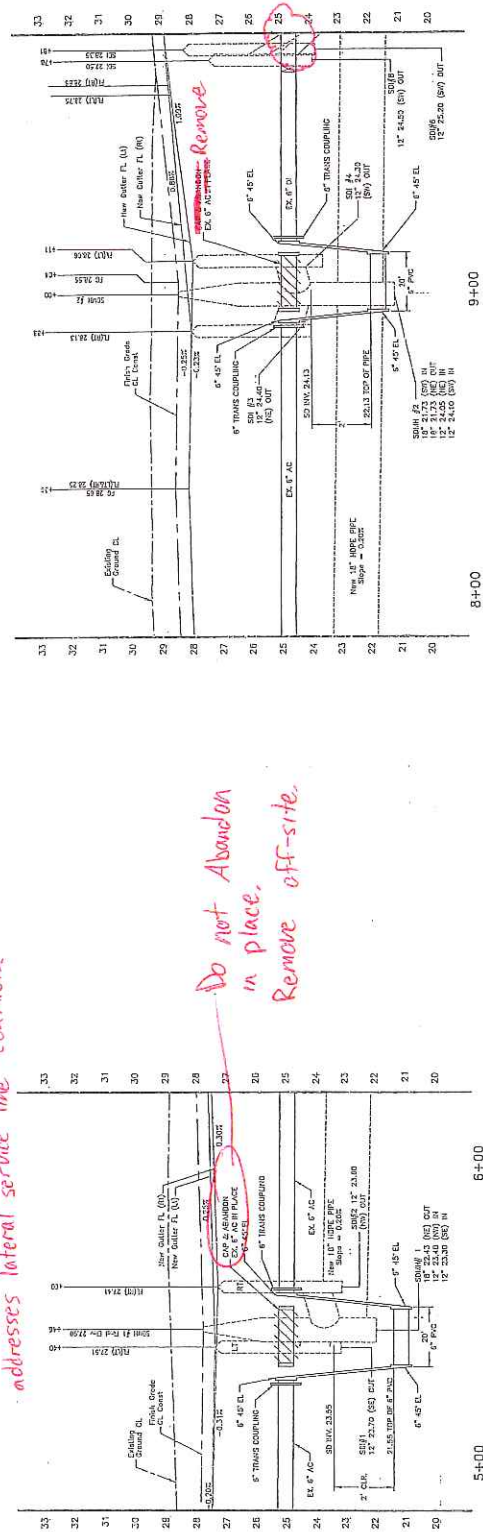
LOCATIONS SHOWN FOR EXISTING UTILITIES ARE BASED ON SAN JOAQUIN COUNTY PUBLIC UTILITY DATA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF ALL UTILITIES. TO AVOID CONFLICTS WITH STAKE DRAWING AND WATER LINES, AND PROVIDE THE ENGINEER OF ANY DISCREPANCIES IN THE FIELD.



SCALE: 1"=20'



Add profile description that addresses lateral service line conflicts.



Do not Abandon in place, Remove off-site.

STATION 5+00  
PROFILE "A"  
SCALE: 1"=20' VERT.

STATION 9+00  
PROFILE "B"  
SCALE: 1"=20' VERT.





Valves need to  
be moved away  
from  
cure/flowline



move all water  
meter boxes to behind  
back of sidewalk. Too close  
to curb / flowerline,



PLAN &amp; PROFILE

APPROVED BY:	DATE:
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M. PI  
CHICAGO ILL DATE:

P. ROMO  
DESIGNER BY

AS SHOWN  
EVALU BY:

**NOTE**

PLATE SEVENTEEN

[illegible]

DATE: 2017

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DEPARTMENT



ENGINEERING

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DEPARTMENT

[illegible]

FOR JAMES L. L.

☐ SUPPLY

☐ TRAILER

☐ BIA PIA 100

☐ HALLS

☐ LAMP

☐ FOL

☐ 100

DATE 1/1/74

DATE:	AS SHOWN	DESIGNED BY:	M. PI	CHECKED BY:	DATE:	APPROVED BY:	ENTER:

**TITLE:**

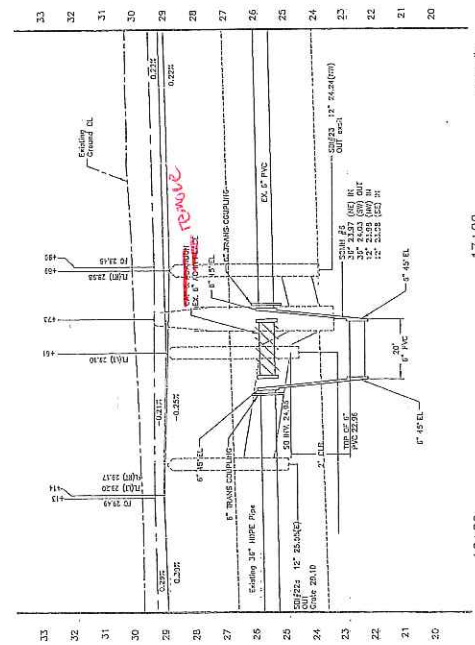
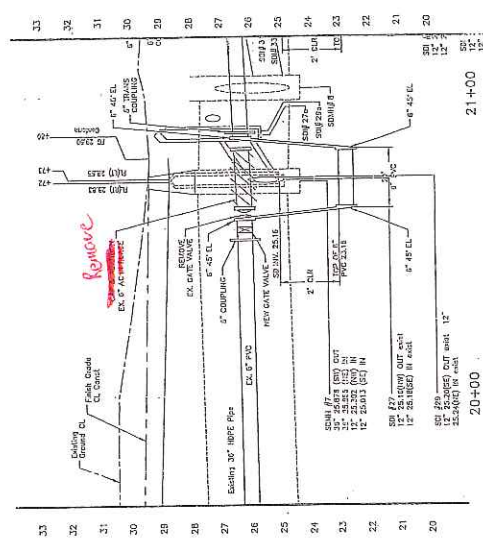
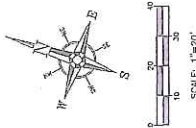
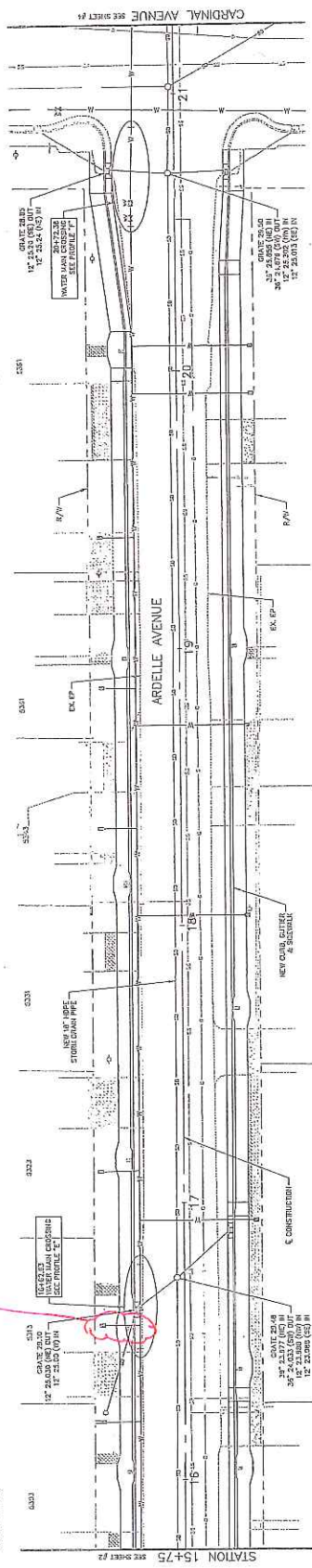
STOCKTON - ARDELLE AVENUE  
WATER MAIN RELOCATION PROJECT  
PLAN & PROFILE

## STRUCTURE

DATE: 5/14/2018  
MEASURE ID: 00010524

3

**UTILITY NOTE:**  
LOCATIONS SHOWN FOR EXISTING UTILITIES ARE BASED ON SAN JOAQUIN COUNTY PUBLIC WORKS DATA. THE CONTRACTOR SHALL BE RESPONSIBLE TO FIELD VERIFY DEPTH AND LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION; POTENTIAL EXISTING UTILITIES ARE REQUIRED TO AVOID CONFLICTS WITH STORM DRAIN AND WATER LINES; AND INFORM THE ENGINEER OF ANY DISCREPANCIES IN THE PLANS.



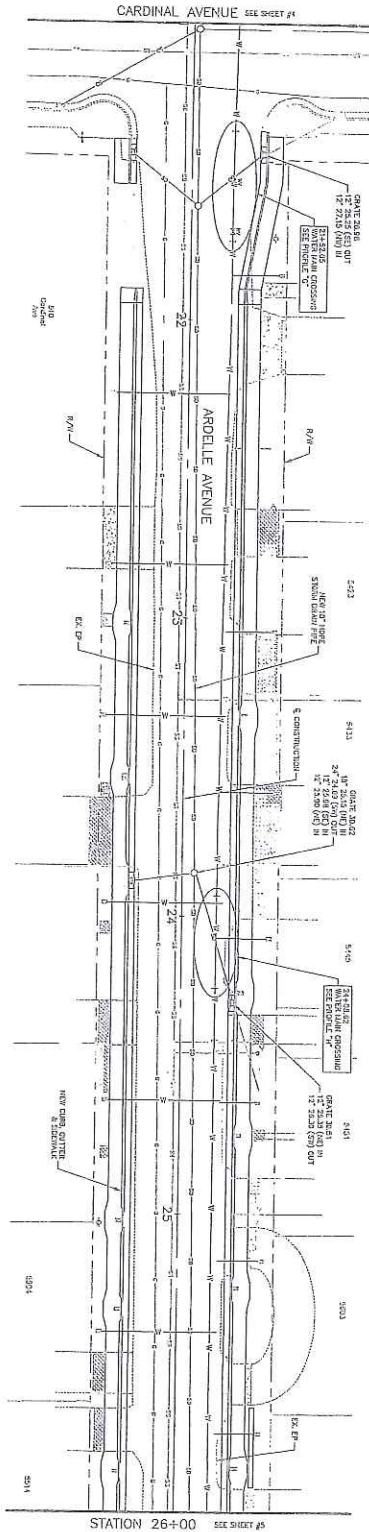
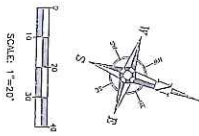
STATION 20+72.38  
PROFILE "F"  
SCALE: 1" = 20' HORIZ.  
1" = 2' VERT.

STATION 16+62.03  
PROFILE "E"  
SCALE: 1" = 20' HORIZ.  
1" = 2' VERT.

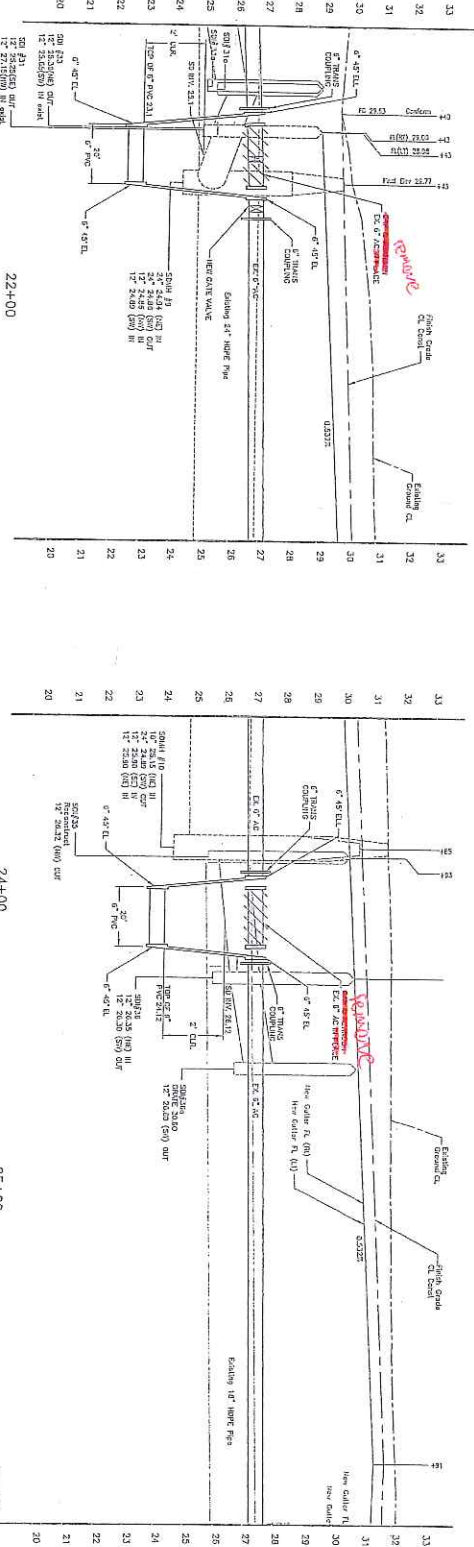
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**UTILITY NOTE:**  
 LOCATIONS SHOWN FOR EXISTING UTILITIES ARE BASED ON SAN JOAQUIN COUNTY PLUMBING RECORDS. ENGINEER HAS CONDUCTED VISUAL SURVEY OF THE PROJECT AREA AND HAS FOUND NO OTHER UTILITIES IN THE PROJECT AREA. ENGINEER HAS CONDUCTED VISUAL SURVEY OF THE PROJECT AREA AND HAS FOUND NO OTHER UTILITIES IN THE PROJECT AREA. ENGINEER HAS CONDUCTED VISUAL SURVEY OF THE PROJECT AREA AND HAS FOUND NO OTHER UTILITIES IN THE PROJECT AREA.



**TITLE:**  
 STOCKTON - ARDELLE AVENUE  
 WATER MAIN RELOCATION PROJECT  
 PLAN & PROFILE

**DATE:**  
 8/14/2010



**ENGINEERING**  
 DEPARTMENT  
 ENGINEERING DIVISION  
 AS SHOWN  
 P. ROMO  
 M. PI  
 CHECKED BY: [Signature]  
 APPROVED BY: [Signature]





TITLE:

STOCKTON - ARDELLE AVENUE  
WATER MAIN RELOCATION PROJECT  
PLAN & PROFILE

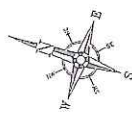
SHEET NO.

DATE

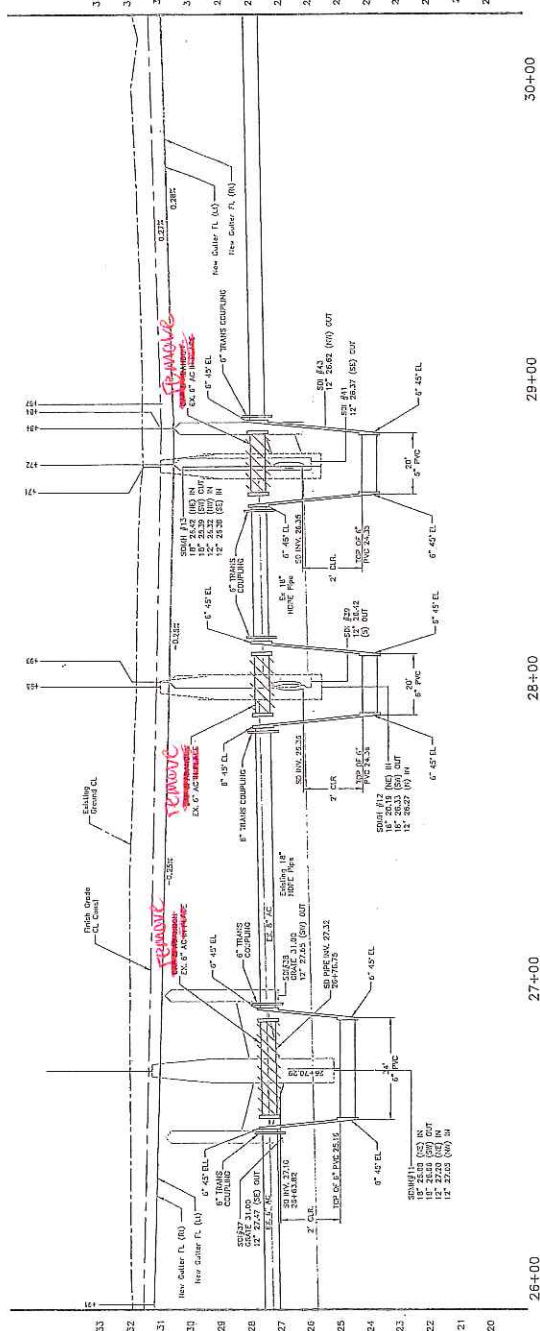
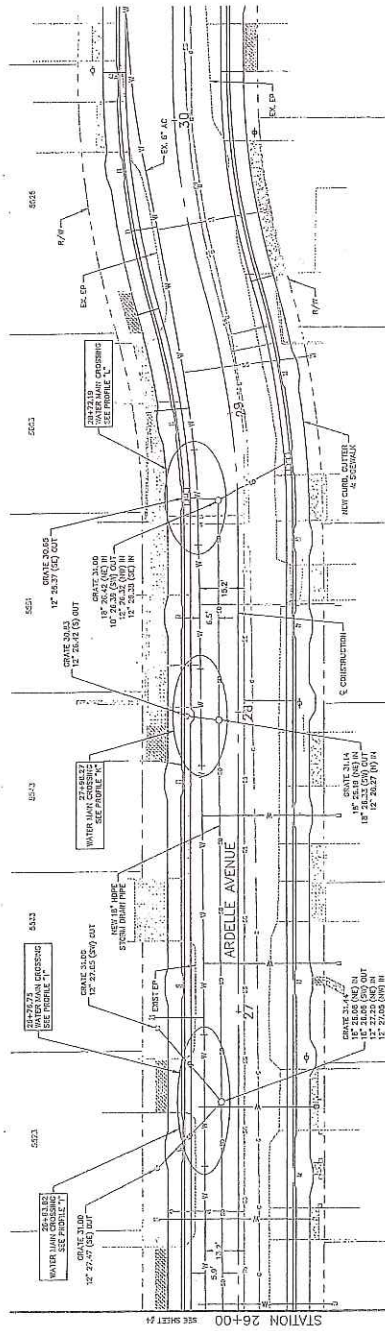
BY

UTILITY NOTE:

DATA FOR THE RELOCATION OF THE WATER MAINS SHOWN ON THIS PLAN AND PROFILE WAS OBTAINED FROM THE STOCKTON WATER DEPARTMENT. THE ENGINEER HAS CONDUCTED VISUAL INSPECTIONS OF THE EXISTING MAINS AND HAS FOUND NO DISCREPANCIES IN THE DATA.



SCALE: 1"=20'



STATION 28+71.39  
PROFILE "K"  
SCALE: 1"=20' VERT.

STATION 27+19.27  
PROFILE "J"  
SCALE: 1"=20' VERT.

STATION 26+30.29  
PROFILE "I"  
SCALE: 1"=20' VERT.

COUNTY OF SAN JOAQUIN  
DEPARTMENT OF PUBLIC WORKS  
STOCKTON, CALIFORNIA

ARDELLE AVENUE IMPROVEMENTS  
FEDERAL AID PROJECT NO. CFD #14.218  
(East Side Community Park to Bird Avenue and  
Ardelle Avenue to Garden Acres Community Center)  
To Be Supplemented by Standard Plans Dated 2010.

INDEX OF SHEETS

SHEET NO. 1	TITLE PAGE
SHEET NO. 2	TYPICAL SECTION, SHOULDER DETAIL AND GENERAL NOTES
SHEET NO. 3-6	DEMOLITION PLAN
SHEET NO. 8-10	PLAN AND PROFILE
SHEET NO. 11-12	CONSTRUCTION DETAIL
SHEET NO. 13-14	SUMMARY OF QUANTITIES

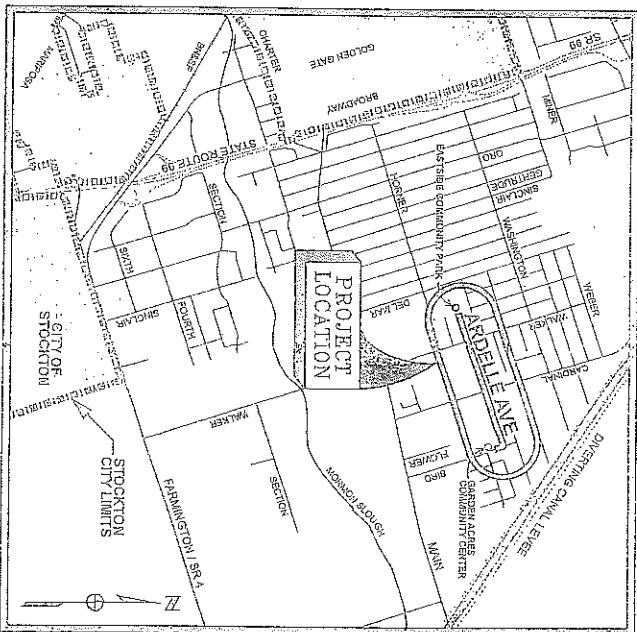
THE STANDARD PLANS APPLICABLE TO THIS CONTRACT ARE INCLUDED IN THE PROJECT SPECIFICATIONS BOOK

ABBREVIATIONS

- (In addition to listings in SP A104 and A105)
- IP = Intersection Point
  - SP = Standard Plan
  - SP = Standard Plan
  - BR = Right Radius
  - ER = End Radius
  - BOV = Back of Work

The Contractor shall possess a Class A license at the time this contract is awarded

AVOID CUTTING UNDERGROUND UTILITIES - PRECAUTION  
Call before you Dig  
800-642-2444  
UNDERGROUND SERVICE ALERT



PROJECT LOCATION MAP  
NO SCALE

COUNTY OF SAN JOAQUIN

Submitted \_\_\_\_\_ 2017

KRIS BALAJI  
Director of Public Works

PRELIMINARY  
SUBJECT TO REVISION



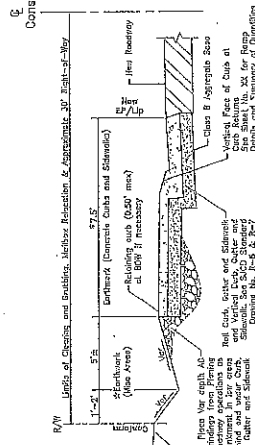
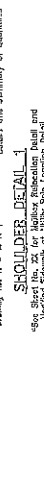
David Mendoza  
R08 42501

NO.	SHEET	DRAWN
1	14	

SHEET NO.	TOTAL SHEETS
1	14

PROJECT NUMBER	SHEET NO.	DATE	APPROVED	DATE

David Mendoza  
RCE 42581



**SHOULDER DETAIL 2**  
 Arcella Ave; Sta 10+18 Lt to Sta 11+50  
 \*See Street I/O for Mother's Suspended Deck and  
 Modified Sidewalk at Utility Photo Location Detail -  
 \* Easement backed prior to be performed, creating  
 a 10' wide easement for the installation of the  
 road lighting and water line just west of Sta.

David Mendoza  
RCE 42581

PRELIMINARY  
SUBJECT TO REVISION

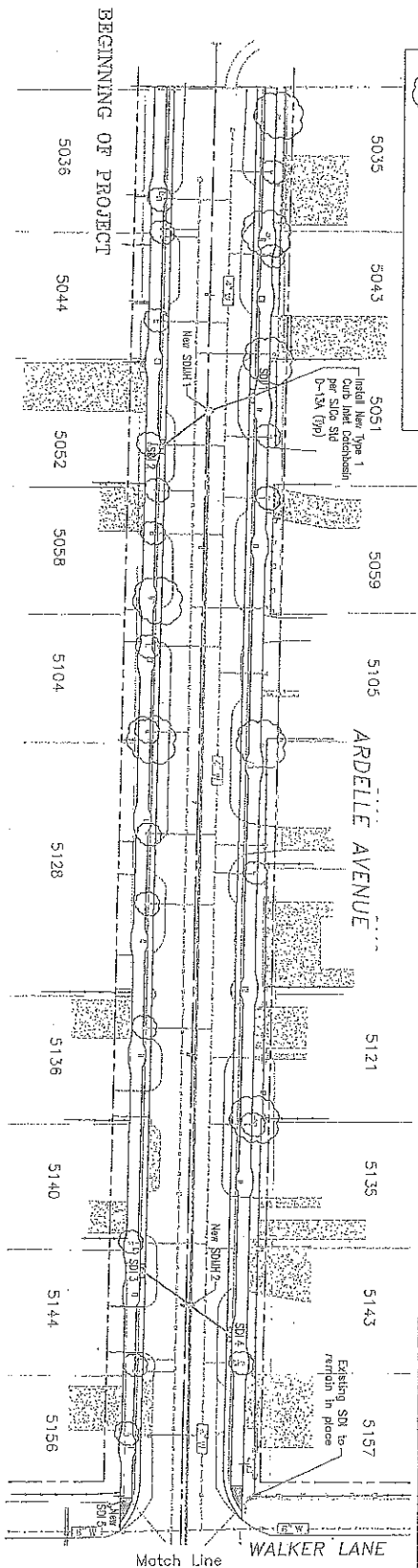
DRAWN BY R. Boudreau	DATE 01-13-17	PROJECT ENGINEER	DATE	CHECKED BY	DATE	COUNTY OF SAN JOAQUIN  NO SCALE  TYPICAL SECTION, SHOULDER DETAILS AND GENERAL NOTES	ARDELLE AVENUE IMPROVEMENTS (East Side Community Park to Bird Avenue and Ardelle Avenue to Garden Acres Community Center)	SHEET NO. 2	TOTAL SHEETS 14
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GENERAL NOTES:

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SHEET NO.



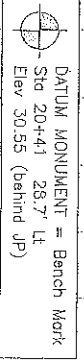
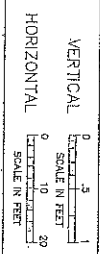
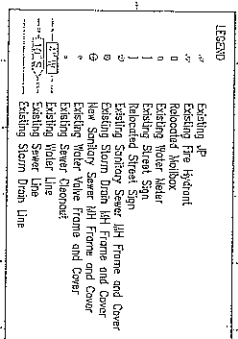
## BEGINNING OF PROJECT

ARDELLE AVENUE

Match Line

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PRELIMINARY  
SUBJECT TO REVISION



David Mendoza

COUNTY OF SAN JOAQUIN

NO SCALE

TYPICAL SECTION AND  
GENERAL NOTES

**ARDELLE AVENUE IMPROVEMENTS**  
(East Side Community Park to Bird Avenue and  
Ardelle Avenue to Garren Acres Community Center)

Sheet NO.	Total Sheet
2	14

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## Outline

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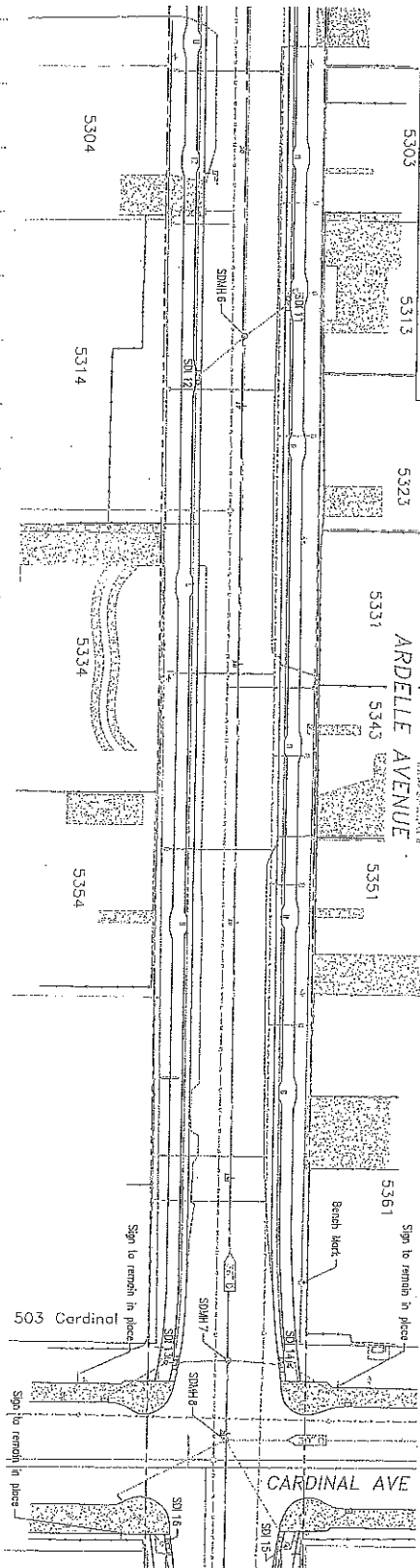
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**DRUGS**

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PRELIMINARY  
SUBJECT TO REVISION

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David Mendonça  
RCEB 42581

DATE	PROJECT BUSINESSES
05/12	R. Worship

DATE	CHECKED BY

COUNTY OF SAN JOAQUIN

NO SCALE

GENERAL NOTE:  
TYPICAL SECTION AND

## ARDELLE AVENUE IMPROVEMENTS

SHEET NO.	TOTAL SHEETS
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DRUMMER	SHEET NO.	REVISION	DATE
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GENERAL NOTES

**Ardella Avenue to Garden Acres Community Center**

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ARDELLE AVENUE [15.75/04]

BIRD AVE

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SUBJECT TO REVISION

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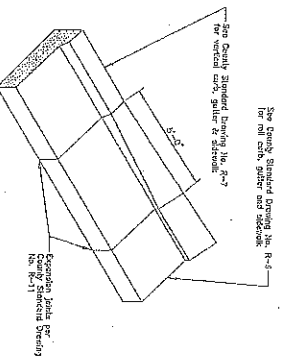
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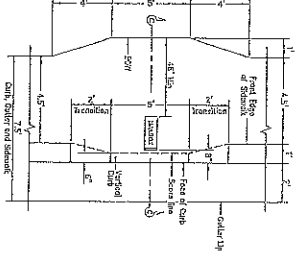
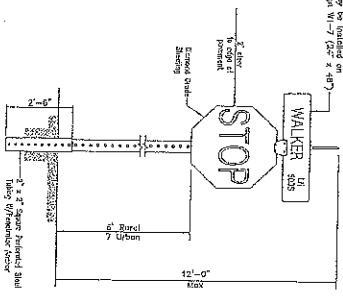
ORDER	SHEET 10.
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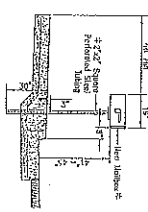
CURB TRANSITION DETAIL



### SIGN RELOCATION DETAIL



## Section 1



\* Demolish SJ Co. County Traffic Maintenance  
District (209) 468-3090 for approved  
list of vendors.

MALBOX RELOCATION DETAIL

JALBOX RELOCATION SCHEDULE	
NEW LOCATION	Box Number
Box Number	Address (Include number)
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PRELIMINARY  
SUBJECT TO REVISION

[illegible]

David Mendoza  
RUE 42581



GOVERNING INSTALLATION OF SUBSURFACE STRUCTURES AND PIPELINES WITHIN COUNTY ROAD RIGHTS-OF-WAYPUBLIC 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	d. The local fire district
b. The County of San Joaquin Sheriff's Office	e. The local school district
c. The local postal service	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 within 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 rights-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.