



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-1802513
Date Issued: 07/11/2018
Start Date: 07/11/2018
Exp. Date: 08/15/2018
Project No: PWP730079
Quad: SE

UE/CR/PM NO:730079

ENCROACHMENT PERMIT

To: AT & T - FRESNO
5555 E. OLIVE RM#300III
FRESNO, CA 93727

Encroachment Type:

Trench			
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Location:

EL DORADO ST@LYNN AVE&MATHEWS RD

In compliance with your request of **07/11/2018**, 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

FORMS:

SS/WW, R-29		
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Est. Permit Fee: \$455.80

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 5/23/2018

To: San Joaquin County
Department of Public Works

AT&T / VCC PERMITS DESK
(Applicant Name)

5555 E. Olive Ave
(Mailing Address)

Fresno, CA 93727
(City, State, Zip Code)

(559) 454-4900 g26977@att.com
(Area Code - Telephone Number)

OFFICE USE ONLY

JOB #	<u>730079</u>	REF #	
APN		CR #	
EXP. DATE			
VALID		TO	
STREET			
AREA		QUAD	
TYPE			
FORMS			
NOTES			

DRIVEWAYS:

*
*
*

Sketch (Detailed plans may be submitted)

SEE ATTACHED PERMIT AND TRAFFIC CONTROL PLAN DRAWINGS FOR AT&T JOB A01B23Q.

ENGR: PORFIRIO OSNAYA
(209) 549-5832

The undersigned hereby applies for permission to excavate, construct and/or otherwise encroach on County Highway Right-of-Way on the N/W side of E MATHEWS RD/EL DORADO ST approximately 50/50 (feet) mile E/S of EL DORADO ST/E LYNN AVE, by performing the following work (description of work): PLACE GROUND BEDS CONSISTING OF (3)-8' GROUND RODS AT P.3 AND P.12. TRAFFIC CONTROL FOR THIS WORK AND FOR THE PLACEMENT OF APPROXIMATELY 1600' OF AERIAL CABLE BETWEEN P.1 AND P.12. SEE ATTACHED DRAWINGS.

Work will commence on or about 6/27/2018 for approximately 4-DAYS days.

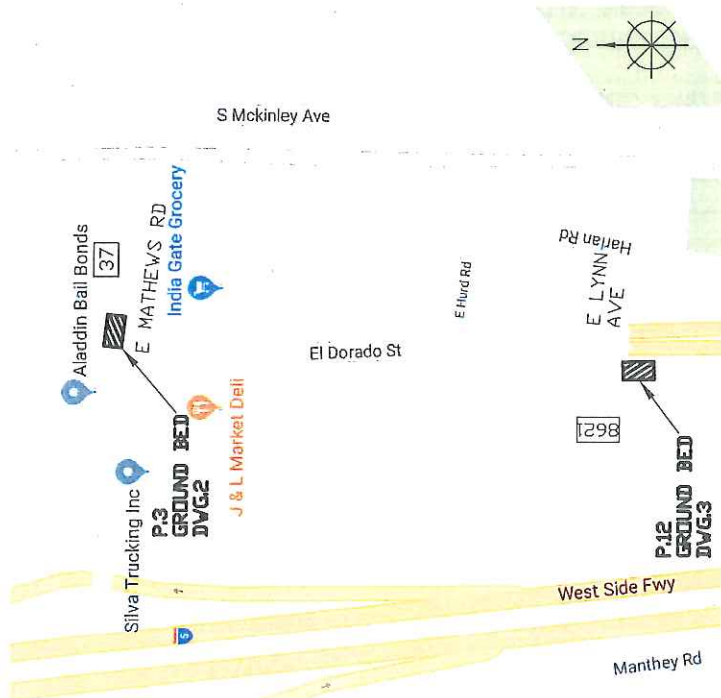
I, the undersigned, certify that I am the owner of the respective property, or am qualified to represent the owner and agree to do the work described above in accordance with the rules and regulations of San Joaquin County and subject to inspection and approval.


Signature of Applicant - Title

Engineering
Administrator

05/23/2018
Date

WORK LOCATION: 37 E MATHEWS RD AND 8621 EL DORADO ST, FRENCH CAMP (SAN JOAQUIN COUNTY), CA



GENERAL CONSTRUCTION NOTES:

EXTRA CAUTION SHOULD BE TAKEN WHEN DIGGING AND PLACING NEW FACILITIES FOR AT&T CALIFORNIA, AS OTHER UTILITIES MAY BE IN CLOSE PROXIMITY OF THE WORK LOCATION.

TUNNEL UNDER ALL CURBS AND GUTTERS.

ALL BENDS WILL BE A 6' RADIUS UNLESS OTHERWISE NOTED.

RESTORE AREA TO LIKE OR BETTER CONDITION.

NOTIFY SAN JOAQUIN COUNTY 72 HRS BEFORE STARTING WORK OPERATIONS. ADHERE TO ALL PERMIT REQUIREMENTS.

CALL USA TOLL FREE

48 HOURS PRIOR TO DIGGING FOR ALL SUB-STRUCTURE LOCATIONS

800-227-2600

SCOPE OF WORK:

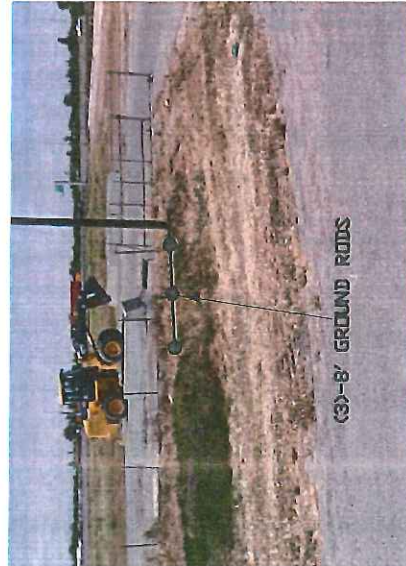
AT AT&T POLES P.3 AND P.12, PLACE A GROUND BED CONSISTING OF (3)-8' GROUND RODS AND #6 GROUND WIRE. THIS WILL REQUIRE TRENCHING 18' IN DIRT AT EACH LOCATION.



ISSUE	DATE
1	5/2018



P.3 WORK AREA FACING NORTH.



P.12 WORK AREA FACING WEST.

PAFL Network Services
A Fujikura Business

THIS JOB WAS ENGINEERED AND DRAWN BY AFL NETWORK SERVICES. ALL WORK WAS DONE IN ACCORDANCE WITH THE PERMITS AND ASSISTANCE ON THIS JOB PLEASE CALL ENGINEER AS NOTED IN THE PLAN.

CONST ARC	COMP
GED/CD	UE76
EXCH	SKTNCA14
ENGR PDSNAYA TEL	(209)549-5832
ENGR ARC	VOKDEEG00
TYPE OF CONST	GROUND BED PERMIT
RD/EST NO	A01B23Q
DWG	1 DF 4 P504

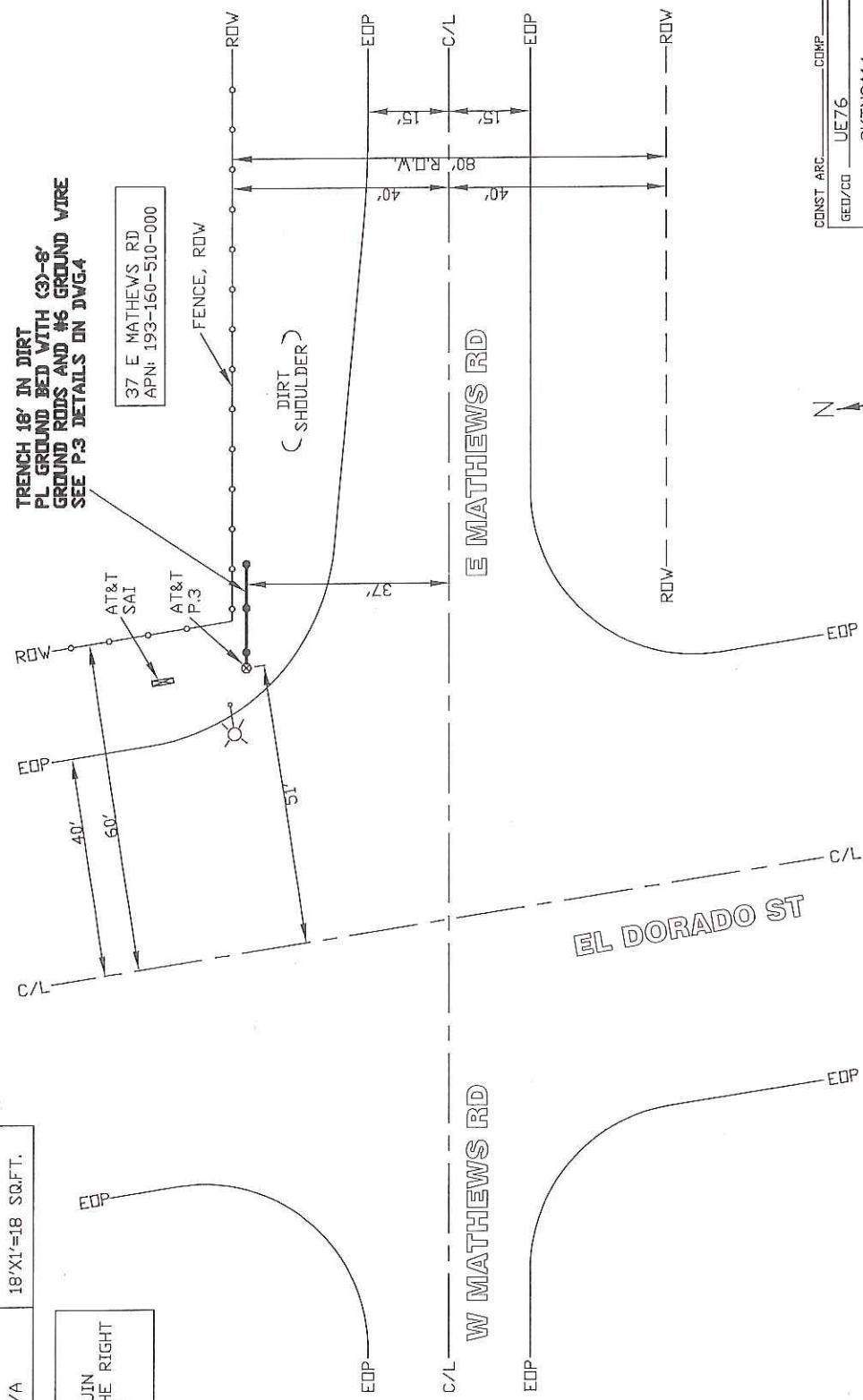
EXCAVATION DATA (DWG.2):

OWNER	ASPHALT	CONCRETE	DIRT
SAN JOAQUIN COUNTY	N/A	N/A	18'X1'=18 SQ.F.T.

RIGHT OF WAY INFORMATION:
PER A STUDY OF COUNTY OF SAN JOAQUIN
ASSESSOR'S MAP BOOK 193, PAGE 16, THE RIGHT
OF WAY OF MATHUEWS RD AT THE WORK
LOCATION MEASURES 80'.

TRENCH 18' IN DIRT
PL GROUND BED WITH (3)-8'
GROUND RODS AND #6 GROUND WIRE
SEE P.3 DETAILS ON DWG.4

37 E MATHUEWS RD
APN: 193-160-510-000



GENERAL CONSTRUCTION NOTES:

EXTRA CAUTION SHOULD BE TAKEN WHEN DIGGING AND
PLACING NEW FACILITIES FOR AT&T CALIFORNIA, AS
OTHER UTILITIES MAY BE IN CLOSE PROXIMITY OF
THE WORK LOCATION.

TUNNEL UNDER ALL CURBS AND GUTTERS.

ALL BENDS WILL BE A 6' RADIUS UNLESS OTHERWISE
NOTED.

RESTORE AREA TO LIKE OR BETTER CONDITION.

NOTIFY SAN JOAQUIN COUNTY 72 HRS BEFORE
STARTING WORK OPERATIONS. ADHERE TO ALL PERMIT
REQUIREMENTS.

LEGEND:	EDGE OF PAVEMENT	EDGE OF WALK	FRONT OF WALK	TYPE C-40 PLASTIC CONDUIT
STREETLIGHT	PC	PC	PC	PC
FIRE HYDRANT	PC	PC	PC	PC
CITY MONUMENT	PC	PC	PC	PC
JOINT UTILITY POLE	PC	PC	PC	PC
SEWER	PC	PC	PC	PC
MANHOLE	PC	PC	PC	PC
SIGN	PC	PC	PC	PC
BOLLARD	PC	PC	PC	PC
CABINET	PC	PC	PC	PC
ELECTRIC SWITCH	PC	PC	PC	PC
TRAFFIC SIGNAL	PC	PC	PC	PC
SERVICE BOX	PC	PC	PC	PC

CONST. ARC.	COMP
GED/CO	UE76
EXCH	SKTNCAL14
ENGR PDSNAYA TEL	(209)549-5832
ENGR ARC	VOKDEEG00
TYPE OF CONST	GROUND BED PERMIT
RD/EST NO	A01B23Q
DWG	2 OF 4 P504

EXCAVATION DATA (DWG.3):

OWNER	ASPHALT	CONCRETE	DIRT
SAN JOAQUIN COUNTY	N/A	N/A	18'X1'=18 SQ.FT.

RIGHT OF WAY INFORMATION:
PER A STUDY OF COUNTY OF SAN JOAQUIN
ASSESSOR'S MAP BOOK 193, PAGE 20, THE RIGHT
OF WAY OF N EL DORADO ST AT THE WORK
LOCATION MEASURES 160'.

8621 EL DORADO
APN: 193-020-005-000

**TRENCH 18' IN DIRT
PL GROUND BED WITH (3)-8'
GROUND RODS AND #6 GROUND WIRE
SEE P.12 DETAILS ON DWG.4**

GENERAL CONSTRUCTION NOTES:

EXTRA CAUTION SHOULD BE TAKEN WHEN DIGGING AND
PLACING NEW FACILITIES FOR AT&T CALIFORNIA, AS
OTHER UTILITIES MAY BE IN CLOSE PROXIMITY OF
THE WORK LOCATION.

TUNNEL UNDER ALL CURBS AND GUTTERS.

ALL BENDS WILL BE A 6' RADIUS UNLESS OTHERWISE
NOTED.

RESTORE AREA TO LIKE OR BETTER CONDITION.

NOTIFY SAN JOAQUIN COUNTY 72 HRS BEFORE
STARTING WORK OPERATIONS. ADHERE TO ALL PERMIT
REQUIREMENTS.

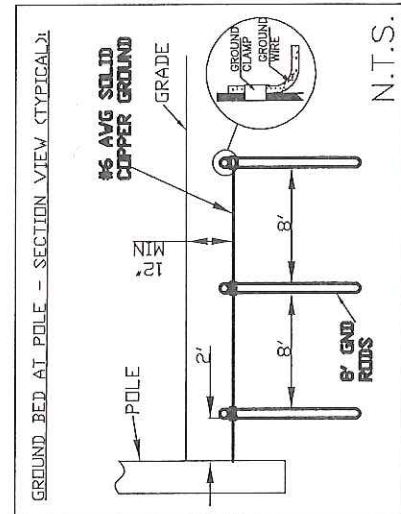
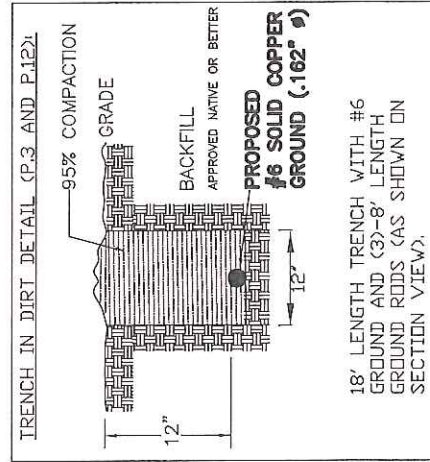
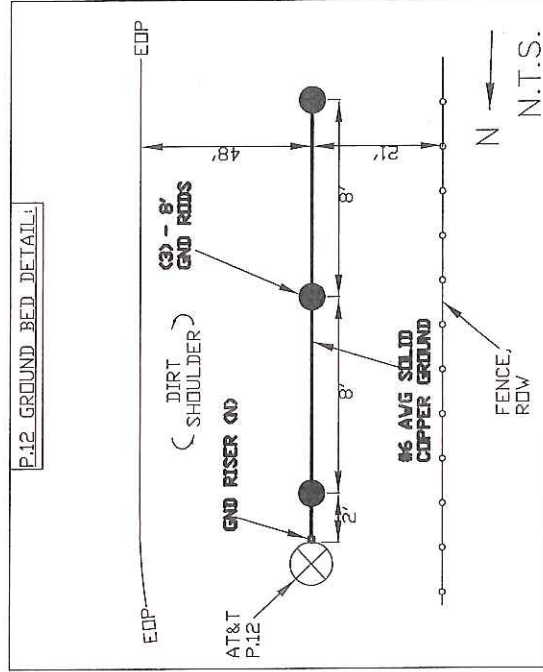
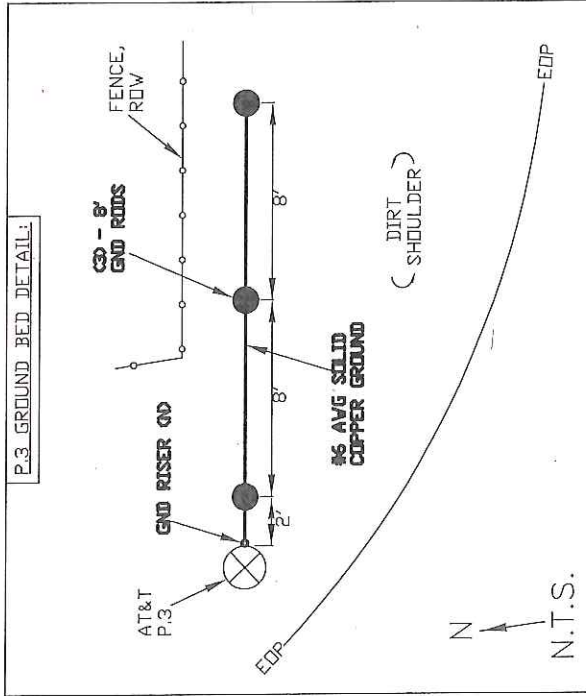
LEGEND:	EDGE OF PARKWAY	EDGE OF DRIVEWAY	EDGE OF WALK
TRAFFIC SIGNAL	EDP	EDP	EDP
STREETLIGHT	CPC	CPC	CPC
FIRE HYDRANT	FDH	FDH	FDH
CITY MONUMENT	BM	BM	BM
JOINT UTILITY POLE	LOG	LOG	LOG
MANHOLE	C/L	C/L	C/L
SEWER	E	E	E
ELECTRICAL	E	E	E
AXIS CONDUIT	E	E	E
ELECT./AT&T JOINT TROUGH	E	E	E
GAS	E	E	E
WATER	E	E	E
WATER VALVE	E	E	E
TRAFFIC SIGNAL CABINET	E	E	E
TRAFFIC SIGNAL SERVICE BOX	E	E	E



CONST. ARC	UE76
GED/CD	SKTNCA14
EXCH	ENGR. PDSNAYA TEL (209)549-5832
ENGR. PDSNAYA	VOKDEEG00
TYPE OF CONST	GROUND BED PERMIT
RD/EST NO.	A01B23Q
DWG	3 OF 4
P504	



ISSUE	DATE
1	5/2018



CONST. ARC	CDMP
GED/CD	UE76
EXCH	SKTNCAL14
ENGR PDSNAYA TEL	(209)549-5832
ENGR ARC	VOKDEEG00
TYPE OF CONST	GROUND BED PERMIT
RD/EST NO	A01B23Q
DWG	4 4 P504

WORK LOCATION: EL DORADO ST FROM E MATHEWS RD TO E LYNN AVE, FRENCH CAMP (SAN JOAQUIN COUNTY), CA



SCOPE OF WORK:

THIS TRAFFIC CONTROL PLAN IS FOR THE FOLLOWING ROAD ENCROACHMENTS IN SAN JOAQUIN COUNTY RIGHT OF WAY:
SHOULDER CLOSURE REQUIRED ON E AND W MATHEWS RD AND EL DORADO ST, REQUIRED FOR THE PLACEMENT OF APPROXIMATELY 1600' OF NEW AERIAL CABLE BETWEEN P1 AND P12. GROUND BEDS ARE TO BE PLACED AT P3 AND P12 (SEE ASSOCIATED PERMIT DRAWINGS).

TABLE 6C-2 2014 CALIFORNIA MUTCD-
STOPPING SIGHT DISTANCE
AS A FUNCTION OF SPEED-

SPEED* (MPH)	DISTANCE (FT)
20	115
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645
70	730
75	820

* POSTED SPEED, OFF-PEAK
85TH PERCENTILE SPEED
PRIOR TO WORK STAGING OR THE
ANTICIPATED OPERATING SPEED

TABLE 6C-3 2014 CALIFORNIA MUTCD-
TAPER LENGTH CRITERIA FOR
TEMPORARY TRAFFIC CONTROL ZONE-

TYPE OF TAPER	TAPER LENGTH (L)*
EMERGING TAPER	AT LEAST L
SHIFTING TAPER	AT LEAST 0.5 L
SHOULDER TAPER	AT LEAST 0.3 L
DO DANCE, TOWARD TRAFFIC UPPER	30 FT (EDOT) DOWNDIR
DOWNDIR TAPER	30 FT (EDOT) PER LANE

TABLE 6C-4 2014 CALIFORNIA MUTCD-
FORMULAS FOR DETERMINING TAPER LENGTH-

SPEED LIMIT (S)	TAPER LENGTH (L)
40 MPH OR LESS	L = 100
45 MPH OR MORE	L = 150
50 MPH OR MORE	L = 200
55 MPH OR MORE	L = 250
60 MPH OR MORE	L = 300
65 MPH OR MORE	L = 350
70 MPH OR MORE	L = 400
75 MPH OR MORE	L = 450

WHERE: L = TAPER LENGTH IN METERS (FEET)
S = WIDTH OF OFFSET IN METERS (FEET)
S = POSTED SPEED LIMIT, OR OFF-PEAK
85TH PERCENTILE SPEED PRIOR TO WORK
STAGING, OR THE ANTICIPATED OPERATING
SPEED IN MPH (KPH)

TABLE 6C-1 2014 CALIFORNIA MUTCD-
SUGGESTED MINIMUM ADVANCE WARNING SIGN SPACING-

ROAD TYPE	A	B	C
URBAN (LOW SPEED) 25 MPH OR LESS	100 FEET	100 FEET	100 FEET
URBAN (HIGH SPEED) 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
EXPRESSIONS/FREWAY	1000 FEET	1000 FEET	1000 FEET

* THE COLUMN HEADINGS A, B, AND C ARE THE DIMENSIONS
SHOW ORIENTATION TO 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 SIGN. (THE THIRD SIGN IS THE
FIRST ONE IN THE THREE-SIGN SERIES ENCOUNTERED IN A DUTY APPROACHING A TIE ZONE.)

LEGEND:

- TYPE III BARRICADE W/ SIGN (5H x 14W)
- TYPE II BARRICADE W/ SIGN (3H x 21W)
- 28" (11cm) TRAFFIC CONES W/ 375mm REFLECTIVE SLEEVES FOR DAY/NIGHT USE OR DELINEATORS IF DAY USE ONLY
- TRAFFIC CONE WITH CLIP ON SIGN
- PROPOSED SIGN AND POST
- SIGNALIZED INTERSECTION
- FLASHING ARROWBOARD
- HIGH LEVEL WARNING DEVICE WITH SIGN (FLAG/ TREE)
- FLAGGER
- TOW AWAY NO STOPPING TO (SHOW HOURS)
- TOW AWAY NO STOPPING ANY TIME
- WORK ZONE LIMITS
- DIRECTION OF TRAFFIC
- FACE OF CURB
- EOP
- EDGE OF PAVEMENT

- GENERAL REQUIREMENTS:
- ALL TRAFFIC CONTROL ELEMENTS SHALL COMPLY WITH THE 2014 CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA-MUTCD), LATEST EDITION.
 - TRAFFIC CONTROL ELEMENTS SHOWN ON THE PLAN ARE SCHEMATIC. TRAFFIC CONTROL ELEMENTS SHALL BE PLACED IN VISIBLE LOCATIONS WITH SPACING NO LESS THAN THE DIMENSIONS SHOWN ON THE PLAN.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND DOCUMENTING THE INSTALLATION OF TRAFFIC CONTROL ELEMENTS AT ALL TIMES. TRAFFIC CONTROL TO REMAIN IN PLACE OVERNIGHT SHALL BE LIGHTED OR REFLECTIVE AS REQUIRED BY THE CA-MUTCD.
 - DEVIATIONS FROM THE PLAN SHALL BE DOCUMENTED BY THE CONTRACTOR AND SUBMITTED TO THE RESIDENT ENGINEER OR ENGINEER OF RECORD.
 - TRAFFIC CONTROL IS DESIGNED FOR A POSTED SPEED OF 25 AND 45 MPH. CONE SPACING SHALL BE NO MORE THAN 25 FEET ON TAPERS AND 50 FEET ON TANGENTS.
 - CONTRACTOR SHALL NOTIFY ALL EMERGENCY RESPONDERS, PUBLIC TRANSPORTATION PROVIDERS, AND THE CITY REPRESENTATIVES NO LESS THAN 48 HOURS PRIOR TO INSTALLATION OF TRAFFIC CONTROL.
 - CONES SHALL BE NO LESS THAN 28" TALL.

CONST ARC _____ COMP _____

GED/CD _____ UE76

EXCH _____ SKTNCA14

ENGR/DISNAYA TEL (209)549-5832

ENGR ARC _____ VOKDELEG00

TYPE OF CONST _____

TRAFFIC CONTROL PLAN

RD/EST NO _____ A01B23Q

DWG 1 OF 3 P504

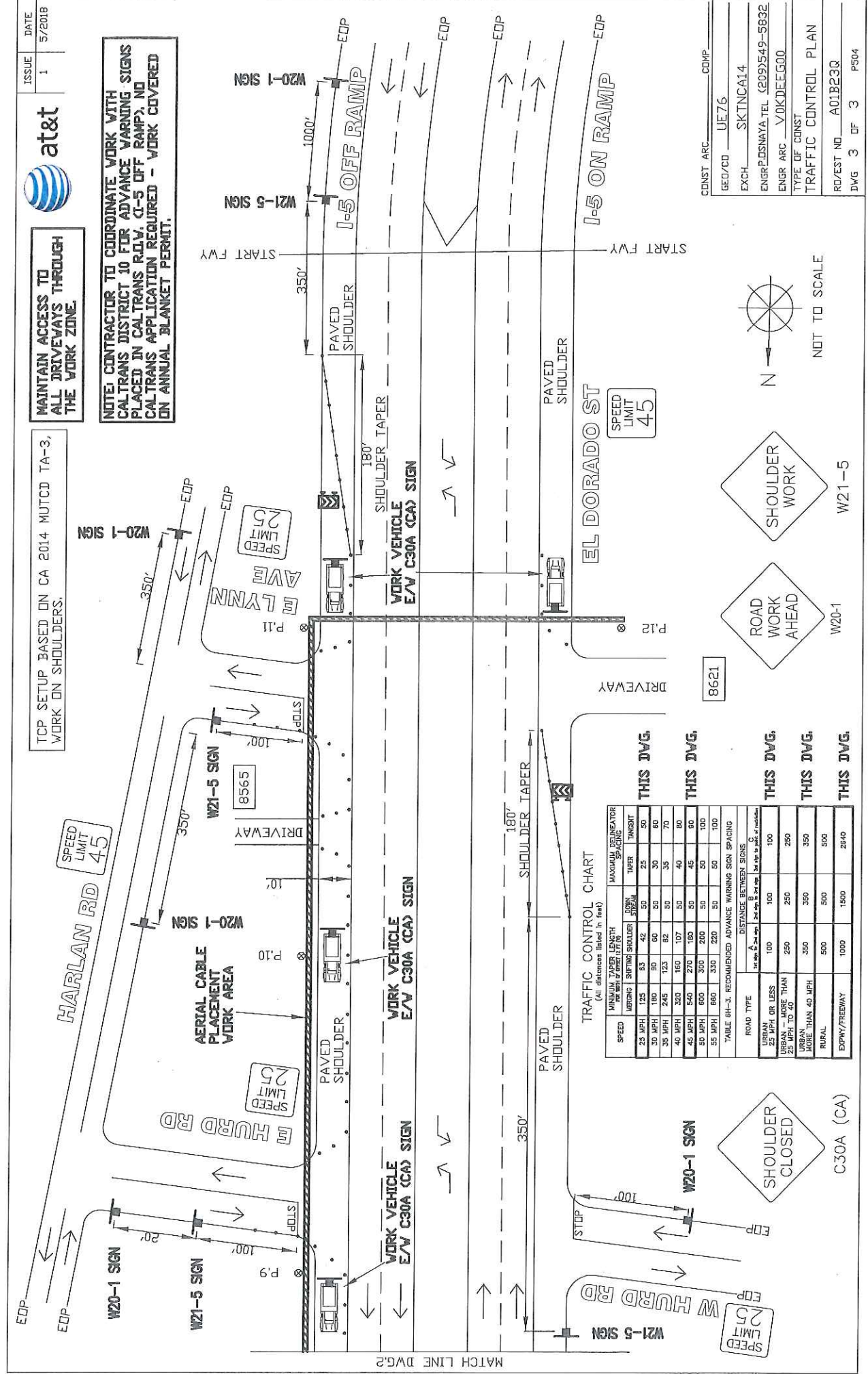
PAFL Network Services
A Fujikura Business

THIS JOB WAS ENGINEERED AND DRAWN BY JET NETWORK SERVICES
UNDER CONTRACT TO AT&T. FOR QUESTIONS AND ASSISTANCE ON THIS
JOB PLEASE CALL ENGINEER AS NOTED IN TITLE BOX.

MAINTAIN ACCESS TO ALL DRIVEWAYS THROUGH THE WORK ZONE.

TCP SETUP BASED ON CA 2014 MUTCD TA-3, WORK ON SHOULDERS.

NOTE: CONTRACTOR TO COORDINATE WORK WITH CALTRANS DISTRICT 10 FOR ADVANCE WARNING SIGNS PLACED IN CALTRANS R.O.V. (I-5 OFF RAMP). NO CALTRANS APPLICATION REQUIRED - WORK COVERED ON ANNUAL BLANKET PERMIT.

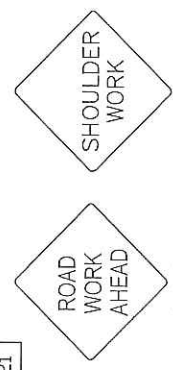
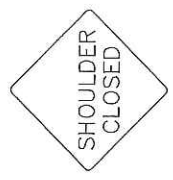


MATCH LINE DWG.2

TRAFFIC CONTROL CHART
(All distances listed in feet)

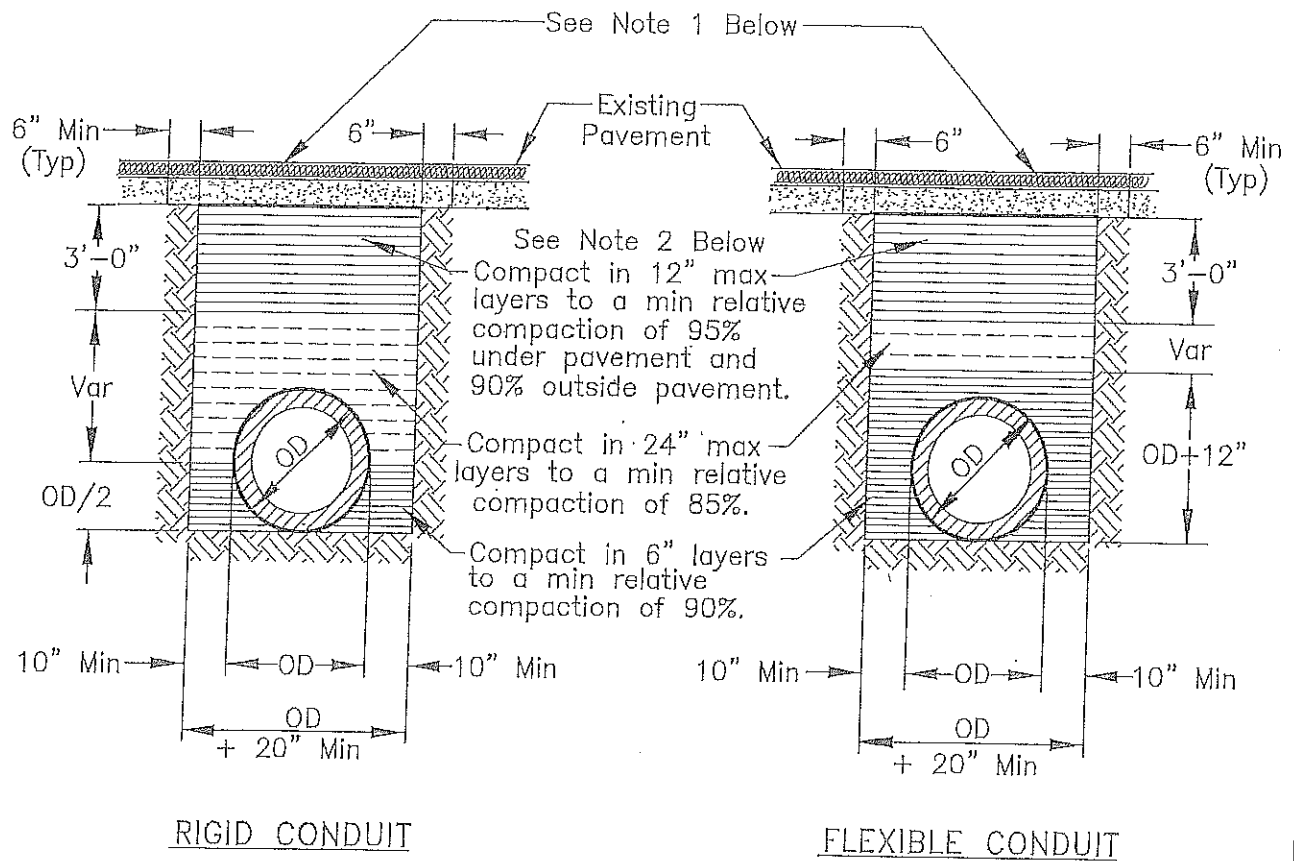
SPEED	MINIMUM TAPER LENGTH		MINIMUM ADVANCE WARNING		MAXIMUM ADVANCE WARNING	
	URBANS	RURALS	SHOULDER	DOWN	SHOULDER	DOWN
25 MPH	125	85	42	50	25	50
30 MPH	180	90	60	50	30	60
35 MPH	245	125	62	50	35	70
40 MPH	300	160	107	50	40	80
45 MPH	340	270	160	50	45	90
50 MPH	600	300	200	50	50	100
55 MPH	650	330	220	50	50	100

ROAD TYPE	DISTANCE BETWEEN SIGNS	
	1st Sign to 2nd Sign	2nd Sign to 3rd Sign
URBAN	100	100
URBAN OR LESS	250	250
URBAN MORE THAN 25 MPH TO 40	350	350
URBAN MORE THAN 40 MPH	500	500
RURAL	1000	1500
EXPWY/FREEWAY	1000	25-40



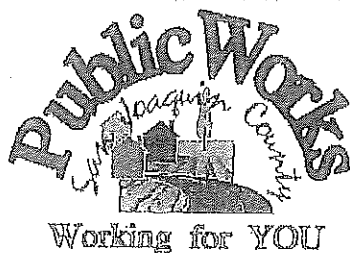
NOT TO SCALE

CONST ARC	COMP
GED/CD	UE76
EXCH	SKTNCA14
ENGR PDSNAYA TEL	(209)549-5832
ENGR ARC	VOKDEEG00
TYPE OF CONST	TRAFFIC CONTROL PLAN
RD/TEST NO	A01B23Q
DWG	3 OF 3 P504



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. Gull

No.	Revision	Description	Date

Date: DEC 2014

Std. Dwg. No.

R-29

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	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 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

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.