



# 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-1902501  
Date Issued: 07/29/2019  
Start Date: 08/26/2019  
Exp. Date: 10/01/2019  
Project No: PWP730052  
Quad:

UE/CR/PM NO:84008460

## ENCROACHMENT PERMIT

To: PACIFIC GAS & ELECTRIC - STOCKTON  
PO BOX 930  
STOCKTON, CA 95201

### Encroachment Type:

Bore (up to 12 inch Dia)			
--------------------------	--	--	--

### Location:

S/O W TURNER RD 1,603' E/O DAVIS RD

In compliance with your request of 07/29/2019, 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\*\*\*\*\*See Attached "Special Conditions"\*\*\*\*\*

FORMS: SS/WW

Est. Permit Fee: \$630.00

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

KRIS BALAJI, Director  
Department of Public Works

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 6/13/19

To: San Joaquin County  
Department of Public Works

Rene J. Vasquez for PG&E

(Applicant Name)

3580 E California Ave

(Mailing Address)

Fresno, CA 93725

(City, State, Zip Code)

(559) 263-7381

(Area Code - Telephone Number)

Rene.Vasquez@pge.com

(Email Address)

### OFFICE USE ONLY

JOB #	_____	REF #	_____
APN	_____	CR #	_____
EXP. DATE	_____		
VALID	_____ TO _____	DRIVEWAYS:	*
STREET	_____		*
AREA	_____ QUAD _____		*
TYPE	_____		
FORMS	_____		
NOTES	_____		

Sketch (Detailed plans may be submitted)

Attached

PM# 84008460

Project ID: D-993

The undersigned hereby applies for permission to excavate, construct and/or otherwise encroach on County Highway Right-of-Way on the South side of W Turner Rd approximately 1,603' feet/mile East of Davis Rd, by performing the following work (description of work):  
Excavate (1) 12'x8'x8' bell hole to inspect an existing gas pipeline.

Work will commence on or after 8/26/19 for approximately 12 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.

Rene J. Vasquez  
Signature of Applicant Title

6/13/19

Date





**SAN JOAQUIN**  
—COUNTY—  
*Greatness grows here.*



**Department of Public Works**

Kris Balaji, Director of Public Works

Fritz Buchman, Deputy Director/Development

Alex Chetley, Interim Deputy Director/Engineering

Jim Stone, Deputy Director/Operations

Kristi Rhea, Manager of Strategic Initiatives


## Acknowledgement of Monument Preservation

I, Parker Geisinger, a duly Licensed Land Surveyor or a Professional Engineer  
(Please print)

authorized to perform Land Surveying in the State of California, Registration No. 9098,

hereby acknowledge and accept all responsibility for the monument preservation as required  
per Section 8771(a-f) of the Business and Professions Code within the bounds of the  
construction activity permitted by San Joaquin County Permit No. \_\_\_\_\_.

I further acknowledge that I am hereby responsible for the Acknowledgement of Monument  
Preservation prior to final acceptance of the construction activity.

  
\_\_\_\_\_  
Signature

Seal



06/11/2019  
\_\_\_\_\_  
Date

PS-MONUMENT PRESERVATION

No monuments were found within the designated construction area labeled EC19-E1315-12 as shown  
on Drawing No. 84008460.







## **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, lampoles, 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 "A" 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.

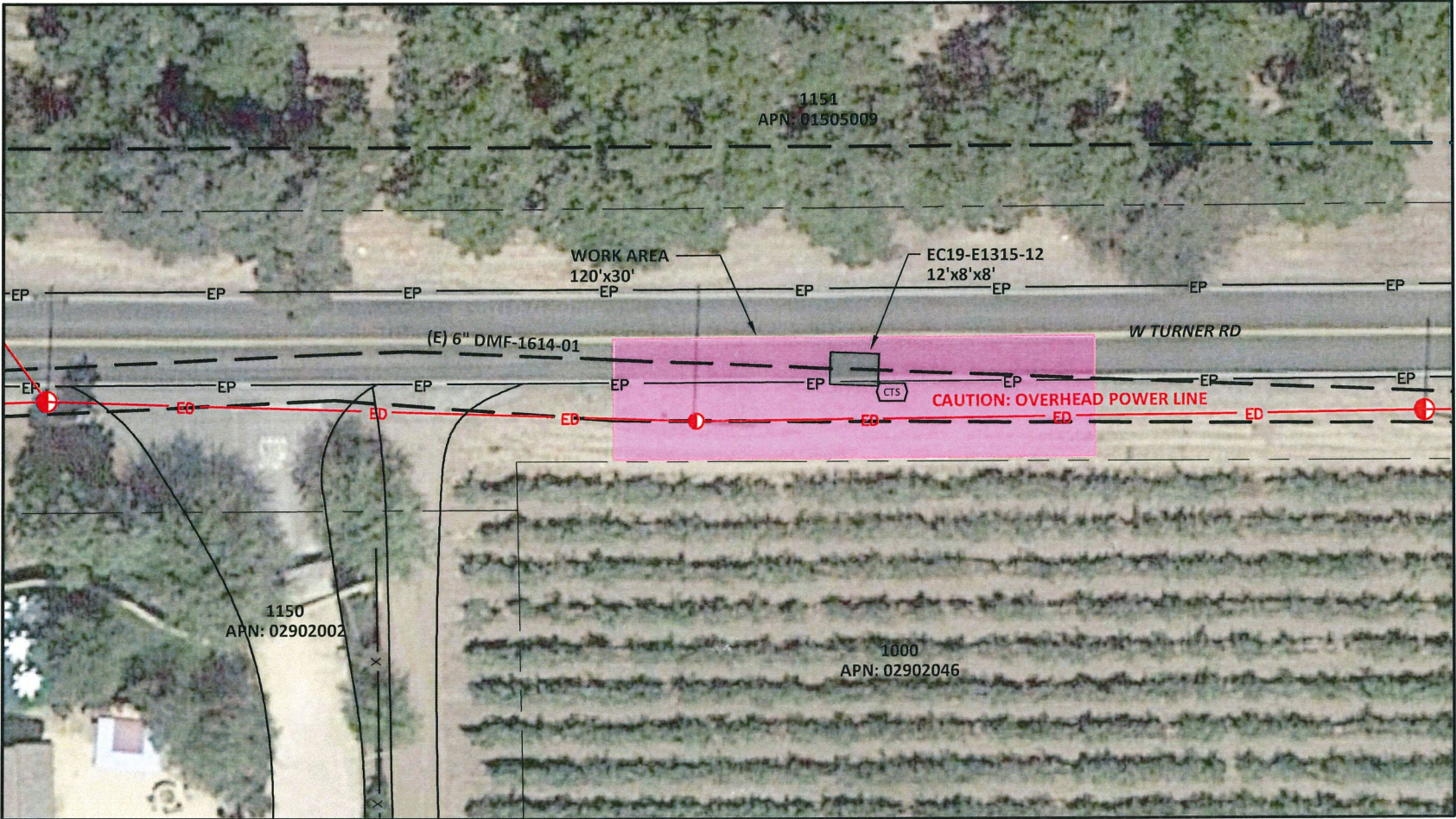
## SPECIAL PROVISIONS

### 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.

EC19-E1315-12  
1000 W TURNER RD  
LODI, CA  
WALL MAP: 2869, PLAT: C5, BLOCK: 1  
(SCALE: 1" = 40')



**EC19-E1315-12**  
DFM-1614-01, DIG MP: 2.56, STATION: 06+18  
REGION: 1, PRIORITY: Mon  
DEPTH to T.O.P.: 65"  
EXCAVATION DEPTH: 96"  
CENTER OF BELL HOLE: 38.14560024, -121.3287978  
PIPE : 6.625" OD x 0.188" WT  
MAOP: 300 psig, YEAR INSTALL: 1934

**EC19-E1315-12:**

POST BACKFILL AS-BUILT STAMP <small>(To be filled out by Inspector)</small>		DATE
Pipe Protection Installed? Y / N If yes specify Type <small>(CIRCLE ONE) (ex: Rock shield, Stacguard, etc)</small>		
PIPE ZONE BACKFILL MATERIAL: NATIVE / SAND / OTHER <small>(CIRCLE ONE)</small>		
FINAL BACKFILL MATERIAL NATIVE / AGGREGATE BASE / OTHER <small>(CIRCLE ONE)</small>		
P/S (mv) _____		
Inspector: _____ ID _____ Signature: _____ <small>(Print Name)</small>		

**NOTES:**

- Backfill to PG&E Standards A-03
- Backfill to City/County Permit & Standards
- CTS/ETS Install to Standard O-10

WARNING:  
THIS DOCUMENT CONTAINS CONFIDENTIAL, PROPRIETARY  
INFORMATION THAT IS THE SOLE PROPERTY OF PACIFIC  
GAS AND ELECTRIC COMPANY AND IS INTENDED FOR USE  
ONLY BY AUTHORIZED PACIFIC GAS AND ELECTRIC  
COMPANY EMPLOYEES & AGENTS. COPYRIGHT PACIFIC  
GAS AND ELECTRIC COMPANY.



Know what's below.  
Call before you dig.

THIS DRAWING IS FOR  
VISUAL REFERENCE ONLY.  
SCALE IS APPROXIMATE.  
LOCATION OF EXISTING  
AND PROPOSED  
STRUCTURES IS  
APPROXIMATE. ANY AND  
ALL DIMENSIONS ARE  
APPROXIMATE. ORIGINAL  
DRAWING SIZE 11"x17".  
IMAGE SOURCE:  
MICROSOFT BING

NO.	DATE	DESCRIPTION	GM/SPEC	DWN	CHKD	SUPV	APVD BY
B	2/12/2019	MODIFY PRINTS	84008460	RML			
A	2/7/2019	ISSUED FOR REVIEW	84008460	RML			
REVISIONS							

APPROVED BY	GM
	SUPV
	DSGN
	DWN RML
	CHKD
	OK
DATE	2/12/2019
SCALES	AS SHOWN

EC19-E1315, D-993  
DFM-0613-01, L-1027-01, L-108 & DFM-1614-01  
ECDA INVESTIGATION DIG

SACRAMENTO-OROVILLE-THORNTON-LODI

84008460

JOB # 192135

SHEET  
5 OF 6

B  
REV



**SAFETY PLEDGE**

I ALWAYS PUT SAFETY FIRST.  
I LOOK FOR AND ACT TO  
RESOLVE UNSAFE SITUATIONS.  
I HELP AND ENCOURAGE  
OTHERS TO ACT SAFELY.















**MICHEL'S®**













817 Main Street  
Brownsville, WI  
(920) 583-3132  
www.michels.us

ISSUED  
FOR  
REVIEW



PROPOSED GAS TRANSMISSION LINE  
EXISTING GAS TRANSMISSION LINE  
GAS TRANSMISSION LINE (TO BE RETIRED)  
GAS TRANSMISSION LINE (TO BE REMOVED)  
GAS DISTRIBUTION LINE  
GAS SERVICE LINE  
GAS TRANSMISSION LINE (RETIRED)  
GAS DISTRIBUTION LINE (RETIRED)  
GAS SERVICE LINE (RETIRED)  
ELECTRIC TRANSMISSION LINE  
ELECTRIC DISTRIBUTION LINE  
ELECTRIC SERVICE LINE  
TELEPHONE LINE  
CABLE TV LINE  
STORM DRAIN LINE  
SEWER LINE  
WATER LINE  
COMMUNICATION LINE  
FIBER OPTIC LINE  
EDGE OF PAVEMENT  
FACE OF CURB  
FENCE  
WALL  
K-RAIL  
GUARD RAIL

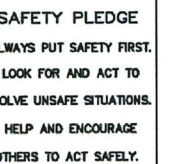
	PIPE END CUT (SIDE)
	PIPE END CUT
	CENTER LINE
	COMPUTER AUTOMATED TEST STATION
	COUPON TEST STATION
	ELECTROLYSIS TEST STATION
	GAS VALVE
	GAS VAULT
	INSULATION JOINT
	PRESSURE CONTROL FITTING
	GAS VENT
	POT HOLE

	ELECTRIC VAULT
	UTILITY POLE (ELECTRIC)
	UTILITY POLE (OTHER)
	JOINT POLE
	WATER METER
	WATER VALVE
	STORM DRAIN
	SEWER MANHOLE
	TIE-IN-WELD
	TREE
	AGM
	FIRE HYDRANT

(E)	Existing
(P)	Proposed
API	American Petroleum Institute
APN	Assessor's Parcel Number
ASME	American Society of Mechanical Engineers
ASTM	American Society for Testing Materials
BBCL	Bell Bell Chill Ring
BC	Back of Curb
BD	Blowdown
BOM	Bill(s) of Material
BTU	British Thermal Units
CATS	Computer Automated Test Station
CL	Centerline
CP	Cathodic Protection
CTS	Coupon Test Station
DCUST	Distribution Customer
DEG	Degree
DET	Detail
DFM	Distribution Feeder Main
DIST	Distribution
DR	Distribution Regulator
DREG	District Regulator
DSAW	Double Submerged Arc-Welded
ELE	Electric
ELEV	Elevation
EMS	Engineering Material Specification
ER	Edge of Road
ERW	Electric Resistance Welded
ETS	Electrolysis Test Station
F	Filter

FBE	Fusion Bonded Epoxy
FC	Face of Curb
FL	Fence Line
G	Natural Gas
GM	Natural Gas Main
GR	Grade
GS	Natural Gas Service
GS&S	Gas Standards and Specifications
GW	Natural Gas Well
HFW	High Frequency Welded
HPR	High Pressure Regulator
ILI	In-Line Inspection
L	Line Number
LAT	Latitude
LONG	Longitude
M	Monitor
MAOP	Maximum Allowable Operating Pressure
MLV	Main Line Valve
MP	Mile Point
MW	Working Monitor
NDE	Non-Destructive Examination
NPC	Non-Protected/Native Coupon
NTS	Not to Scale
OD	Outside Pipe Diameter
OH	Overhead
P	Pipeline
P/L	Property Line
PC	Protected/Polarized Coupon
PCF	Pressure Control Fitting
PL	Plastic

PSI	Pounds per Square Inch
REG	Regulator
ROW	Right of Way
SAWH	Submerged Arc-Welded Helical
SAWL	Submerged Arc-Welded Longitudinal
SD	Storm Drain
SHT	Sheet
SL	Sewer Lateral
SMLS	Seamless
SMYS	Specified Minimum Yield Strength
SS	Sanitary Sewer
SSAW	Single Submerged Arc-Welded
STD	Standard
TD	Technical Document
TCE	Temporary Construction Easement
TCP	Traffic Control Plan
TYP	Typical
UG	Underground
USA	Underground Service Alert
UT	Ultra-Sonic Test
V	Valve
VIF	Verify in Field
W	Water
WT	Wall Thickness
W/	With
W/O	Without
WP	Work Procedure
WS	Water Service



817 Main Street  
Brownsville, WI  
(920) 583-3132  
[www.michels.us](http://www.michels.us)

**ISSUED  
FOR  
REVIEW**



THIS DRAWING IS FOR  
VISUAL REFERENCE ONLY.  
SCALE IS APPROXIMATE.  
LOCATION OF EXISTING  
AND PROPOSED  
STRUCTURES IS  
APPROXIMATE. ANY AND  
ALL DIMENSIONS ARE  
APPROXIMATE. ORIGINAL  
DRAWING SIZE 11"x17".  
IMAGE SOURCE:  
MICROSOFT BING

									APPROVED BY	GM
										SUPV
										DSGN
										DWN RML
B	2/12/2019	MODIFY PRINTS	84008460	RML						CHKD
A	2/7/2019	ISSUED FOR REVIEW	84008460	RML						OK
NO.	DATE	DESCRIPTION	GM/SPEC	DWN	CHKD	SUPV	APVD BY			DATE 2/12/2019
REVISIONS										SCALES AS SHOWN

EC19-E1315, D-993  
DFM-0613-01, L-1027-01, L-108 & DFM-1614-01  
ECDA INVESTIGATION DIG

SACRAMENTO-OROVILLE-THORNTON-LODI

84008460

JOB # 192135

SHEET  
6 OF 6

V



EC19-1315, D-993  
TRAFFIC CONTROL PLANS  
DFM-0613-1, L-1027-01, L-108 & DFM-1614-01  
ECDA INVESTIGATION DIG

GENERAL NOTES:

1. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF THE CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD) AND THE CALTRANS STANDARD PLANS AND SPECIFICATIONS.
2. CALTRANS, THE LOCAL FIRE DEPARTMENT, SHERIFF/POLICE DEPARTMENT, CALIFORNIA HIGHWAY PATROL, LOCAL SCHOOL DISTRICT, TRANSIT SERVICE PROVIDERS AND UNITED STATES POSTAL SERVICE SHALL BE NOTIFIED 72 HOURS IN ADVANCE OF CONSTRUCTION WORK.
3. ALL WORKERS SHALL BE EQUIPPED WITH A REFLECTIVE VEST AND HARD HAT PER THE LATEST ANSI/ISEA 107 STANDARDS. ALL FLAGGERS SHALL ALSO BE EQUIPPED WITH A R1-1/W20-8 "STOP/SLOW" PADDLE AND SHALL BE TRAINED IN THE PROPER FUNDAMENTALS OF FLAGGING TRAFFIC.
4. NO PARKING SIGNS SHALL BE PLACED 72 HOURS PRIOR TO SET UP. SIGNS SHALL BE POSTED EVERY 20 LINEAR FEET OF OCCUPIED SPACE WITH AT LEAST ONE SIGN AT EACH END OF OCCUPIED SPACE.
5. ANY CONFLICTING SIGNS WILL BE COVERED FOR THE LENGTH OF THE JOB.
6. CONTRACTOR SHALL MAINTAIN EMERGENCY VEHICLE AND DRIVEWAY ACCESS AT ALL TIMES.
7. SUN MOUNTAIN ACKNOWLEDGES NO RESPONSIBILITY IN THE CASE OF ANY ACCIDENT, INJURY, OR DEATH OCCURRING DURING THE USE OF THESE PLANS. PLANS ARE NOT TO BE DUPLICATED FOR USE BY ANY PERSONS NOT INCLUDED IN THIS CONTRACT WITHOUT THE CONSENT OF THE ACl OR OWNER.
8. CITY/COUNTY/STATE ENGINEER OR HIS REPRESENTATIVE HAS THE AUTHORITY TO INITIATE FIELD CHANGES TO ASSURE PUBLIC SAFETY.
9. IF PEDESTRIAN ACCESS IS RESTRICTED DURING WORK HOURS, AT LEAST ONE WORKER SHALL BE ASSIGNED WITH THE RESPONSIBILITY TO SAFELY ESCORT DISABLED, ELDERLY, AND/OR ANY OTHER PEDESTRIAN IN NEED OF ASSISTANCE. THE ASSIGNED WORKER(S) MAY ALSO PARTICIPATE IN OTHER CONSTRUCTION ACTIVITIES BUT SHALL ALWAYS BE AWARE OF HIS OR HER RESPONSIBILITY TO PROVIDE THIS ASSISTANCE. PEDESTRIANS SHALL NOT BE DIRECTED NOR EXPECTED TO CROSS A ROADWAY AT ANY LOCATION OTHER THAN AT A SIGNALIZED INTERSECTION OR ALL-WAY STOP. ACCOMMODATIONS SHOULD BE MADE ON THE SAME SIDE OF THE ROADWAY AS THE WORK.
10. ALL ADVANCED WARNING SIGNS SHALL BE EQUIPPED WITH A HIGH-LEVEL WARNING DEVICE (FLAG TREE). FLASHING WARNING LIGHTS SHALL BE PLACED AS SHOWN ON THE PLAN.
11. LIGHT TOWERS SHALL BE USED AT FLAGGER STATIONS AND WORK AREAS WHEN WORK IS AT NIGHT OR ENCLOSES THE HOURS OF DARKNESS. HIGHWAY CONSTRUCTION WORK LIGHTING SHALL BE PER CALIFORNIA CODE OF REGULATIONS CONSTRUCTION SAFETY ORDER 1523 (TILE 8, DIVISION 1, CHAPTER 4, SUBCHAPTER 4, ARTICLE 3, SECTION 1523).
12. WHEN APPLICABLE, PLACE A MINIMUM OF FOUR CONES AT 50FT INTERVALS IN ADVANCE OF FLAGGER STATION.
13. WHEN APPLICABLE, PLACE SHOULDER TAPER IN ADVANCE OF PCMS BOARD. SEE TABLE 1 ON CALTRANS STD T9 FOR SHOULDER TAPER LENGTH.
14. NOTHING ALLOWED IN BUFFER OR TRANSITION AREAS UNLESS OTHERWISE SHOWN ON THE PLAN.
15. CONTRACTOR SHALL PLATE EXCAVATED AREA DURING NON-WORKING HOURS.
16. PLAN IS ACCURATE FOR TRAFFIC CONTROL WORK ONLY. EXCAVATION LOCATION IS APPROXIMATE AND FOR REFERENCE ONLY.
17. CONES SHOWN ON PLAN ARE FOR ILLUSTRATION PURPOSES ONLY. EXACT NUMBER OF CONES REQUIRED SHALL BE BASED ON THE POSTED SPEED, TANGENT LENGTHS, TAPER LENGTHS, CONFLICT SECTIONS, AND ACTUAL FIELD CONDITIONS, ETC.

CHANNELIZING DEVICE SPACING PER TABLE 1 ON CALTRANS RSP T9			
SPEED *	MAXIMUM CHANNELIZING DEVICE SPACING		
	TAPER	TANGENT	CONFL
MPH	ft	ft	ft
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

\* POSTED SPEED LIMIT, OFF-PEAK  
85TH-PERCENTILE SPEED PRIOR TO WORK  
STARTING, OR THE ANTICIPATED OPERATING  
SPEED IN MPH

\*\* USE FOR TAPER AND TANGENT SECTIONS  
WHERE THERE ARE NO PAVEMENT MARKINGS  
OR WHERE THERE IS A CONFLICT BETWEEN  
EXISTING PAVEMENT MARKINGS AND  
CHANNELIZERS (CA).

[illegible]

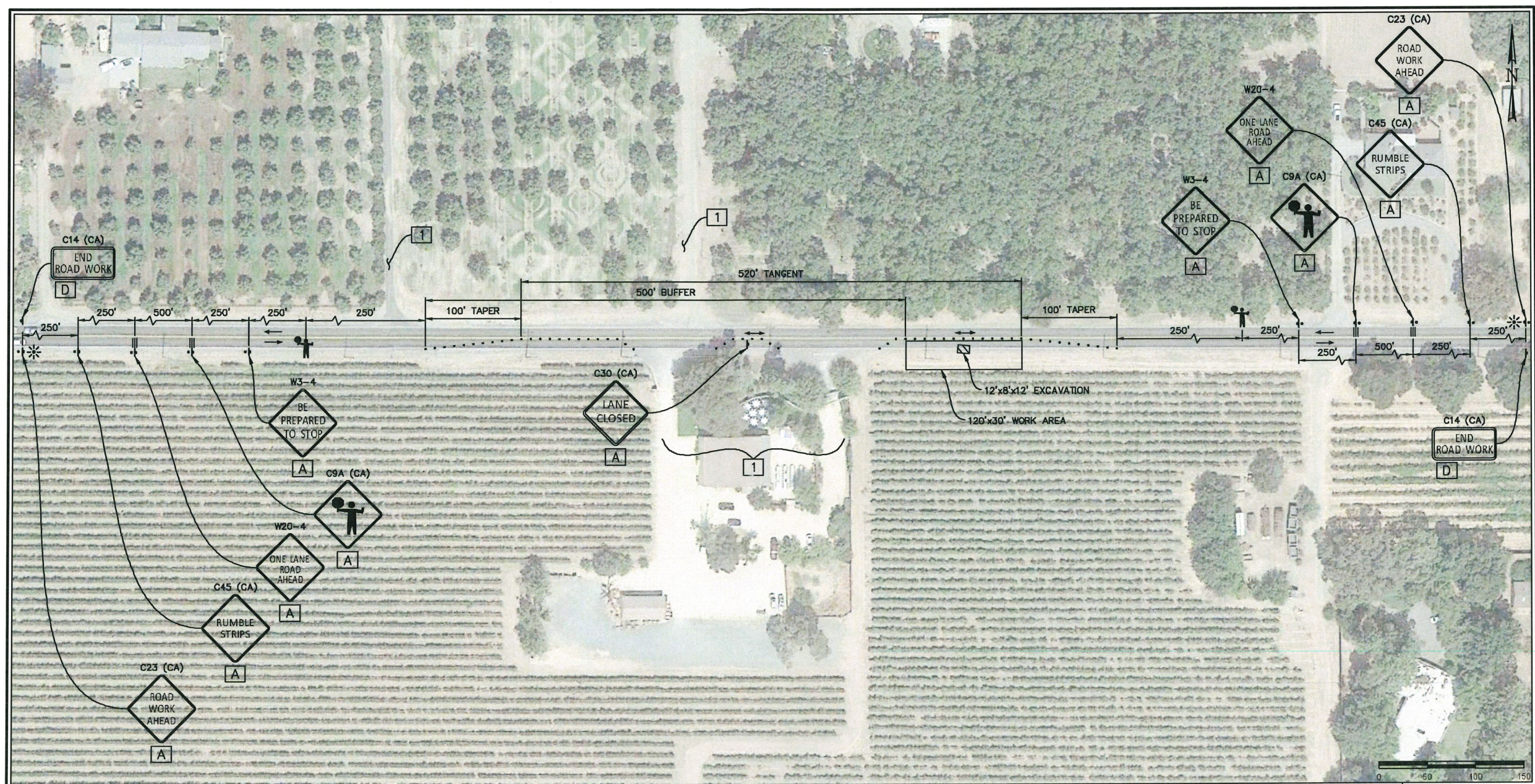
EC19-1315, D-993  
TRAFFIC CONTROL PLANS  
DFM-0613-1, L-1027-01, L-108 & DFM-1614-01  
ECDA INVESTIGATION DIG  
OROVILLE, CALIFORNIA  
LODI, CALIFORNIA



DWIN:	VR
CHKD:	VR
SUPV:	VR
APVD BY:	
SCALE:	
DATE:	04/24/21

WORK HOURS: \_\_\_\_\_  
CONTACT: \_\_\_\_\_  
PHONE#: \_\_\_\_\_





SYMBOLS (THIS SHEET ONLY):

- = TRAFFIC LANE CONFIGURATION
- = TEMPORARY TRAFFIC CONTROL SIGN
- = CHANNELIZING DEVICE (SPACING PER TABLE 1 ON CALTRANS STD T9)
- ✱ = FLASHING WARNING LIGHT
- ||| = RUMBLE STRIP (SEE SHEET T13 ON CALTRANS STD PLAN)

PROJECT NOTES (THIS SHEET ONLY):

- 1 PROVIDE ADDITIONAL FLAGGER AS NECESSARY.

SIGN PANELS

- A 48"x48"
- D 48"x24"

NO.	DATE	ISSUED FOR PERMIT	DESCRIPTION	DRN	VRB	VRB	VRB	APVD BY
0	04/24/19							
REVISIONS								

EC19-1315-12  
TRAFFIC CONTROL PLANS  
ECDA INVESTIGATION DIG  
LODI, CALIFORNIA

SUN MOUNTAIN  
CA Lic. A1009316  
1475 N. BROADWAY AVE. SUITE 430  
WALNUT CREEK, CA 94598  
DATE: 04/24/19

DWG: VRB  
CHKD: VRB  
SUPV: VRB  
APVD BY:  
SCALE:  
1" = 50'

WORK HOURS: \_\_\_\_\_  
CONTACT: \_\_\_\_\_  
PHONE#: \_\_\_\_\_

