



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-1902406**
Date Issued: 07/18/2019
Start Date: 07/15/2019
Exp. Date: 10/15/2019
Project No: PWP730052
Quad: ES

UE/CR/PM NO:84007710

ENCROACHMENT PERMIT

To: PACIFIC GAS & ELECTRIC - FRESNO
P.O. BOX 3031
FRESNO, CA 93720

Encroachment Type:

Traffic Control Devices			
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Location:

BOTH SIDES OF ORO AVE. 350' S/O FREMONT ST. (HWY 26)

In compliance with your request of **07/18/2019**, 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

FORMS: SS/WW

Est. Permit Fee: \$490.00

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.

SPECIAL CONDITIONS FOR
PG&E – ORO AVE. – PM# 84007710
ENCROACHMENT PERMIT

1. Maintain traffic controls for all roads. Traffic control delays shall not exceed 10 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.
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. School Buses shall be passed through the work zone with minimal delays.
6. 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.
7. 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)
8. 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.
9. 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, and as determined to be necessary by County inspectors, street sweeping using a modern mechanical or vacuum-assisted street sweeper.
10. The contractor shall not conduct construction operations in rain or heavy fog conditions.

APPLICATION FOR ENCROACHMENT PERMIT

PLEASE PRINT:

Date 7/3/19

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) 573-4015

(Area Code - Telephone Number)

Rene.Vasquez@pge.com

(Email Address)

OFFICE USE ONLY

JOB # 730052-5 REF # _____
APN _____ CR# _____
EXP. DATE 10/15/19
VALID 7/15/19 TO 10/15/19 DRIVEWAYS:
STREET SHAW RD., LILLIAN AVE., ORO AVE. EDEN ST.
AREA STOCKTON QUAD ES
TYPE TRAFFIC CONTROL DEVICES
FORMS SS/WJW
NOTES "Special Conditions"

ALL WORK WITHIN CALTRANS RIGHT-OF-WAY
* PERMITTING FOR TRAFFIC CONTROL DEVICES *
ONLY

Sketch (Detailed plans may be submitted)

Attached. Location 4, Locations 5 & 6 are withing Caltrans jurisdiciton.

PM# 84007710

Project ID: D-961

The undersigned hereby applies for permission to excavate, construct and/or otherwise encroach on County Highway Right-of-Way on the East & West side of N Oro Ave approximately 350' feet/mile South of E Fremont St (SR-26), by performing the following work (description of work):
Place temporary traffic control devices in the Counties right-of-way. All construcion will take place within Caltrans jurisdiction. No construction or excavations will be within the San Joaquin County right-of-way.

Work will commence on or after 7/15/19 for approximately 36 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

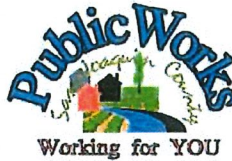
7/3/19

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

Date

7/4/19

PS-MONUMENT PRESERVATION



NO MONUMENTS WILL BE DISTURBED IN SJC JURISDICTION
AT LOCATION EC19-1609-D AS SHOWN ON DRAWING NO. 84007710

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.

EC19-1609
TRAFFIC CONTROL PLAN

STOCKTON, CALIFORNIA

DIST.	COUNTY	ROUTE	POST MILE	SHEET No.	TOTAL SHEET
10	SJ	26	1.38-1.82	1	4

GENERAL NOTES:

- 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.
- 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.
- 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.
- 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.
- ANY CONFLICTING SIGNS WILL BE COVERED FOR THE LENGTH OF THE JOB.
- CONTRACTOR SHALL MAINTAIN EMERGENCY VEHICLE AND DRIVEWAY ACCESS AT ALL TIMES.
- SUN MOUNTAIN ASSUMES NO LIABILITY WHEN CONTRACTOR DOES OWN SET UP OR MAKES CHANGES TO THE ORIGINAL TRAFFIC CONTROL PLAN.
- CITY/STATE ENGINEER OR HIS REPRESENTATIVE HAS THE AUTHORITY TO INITIATE FIELD CHANGES TO ASSURE PUBLIC SAFETY.
- 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.
- 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.
- LIGHT TOWERS SHALL BE USED AT FLAGGER STATIONS AND WORK AREAS WHEN WORK IS AT NIGHT OR ENCROACHES 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).
- WHEN APPLICABLE, PLACE A MINIMUM OF FOUR CONES AT 50FT INTERVALS IN ADVANCE OF FLAGGER STATION.
- WHEN APPLICABLE, PLACE SHOULDER TAPER IN ADVANCE OF PCMS BOARD. SEE TABLE 1 ON CALTRANS STD T9 FOR SHOULDER TAPER LENGTH.
- NOTHING ALLOWED IN BUFFER OR TRANSITION AREAS UNLESS OTHERWISE SHOWN ON THE PLAN.
- CONTRACTOR SHALL PLATE EXCAVATED AREA DURING NON-WORKING HOURS.
- PLAN IS ACCURATE FOR TRAFFIC CONTROL WORK ONLY. EXCAVATION LOCATION IS APPROXIMATE AND FOR REFERENCE ONLY.
- 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	CONFLICT**
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).

No.	DATE	DESCRIPTION	DWN	CHKD	SUPV	APVD BY
0	05/29/19	ISSUED FOR PERMIT	VRB	VRB	VRB	
REVISIONS						

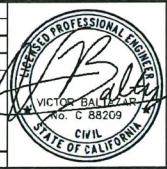
EC19-1609
TRAFFIC CONTROL PLAN
SITE A, B, C, D & E

STOCKTON, CALIFORNIA



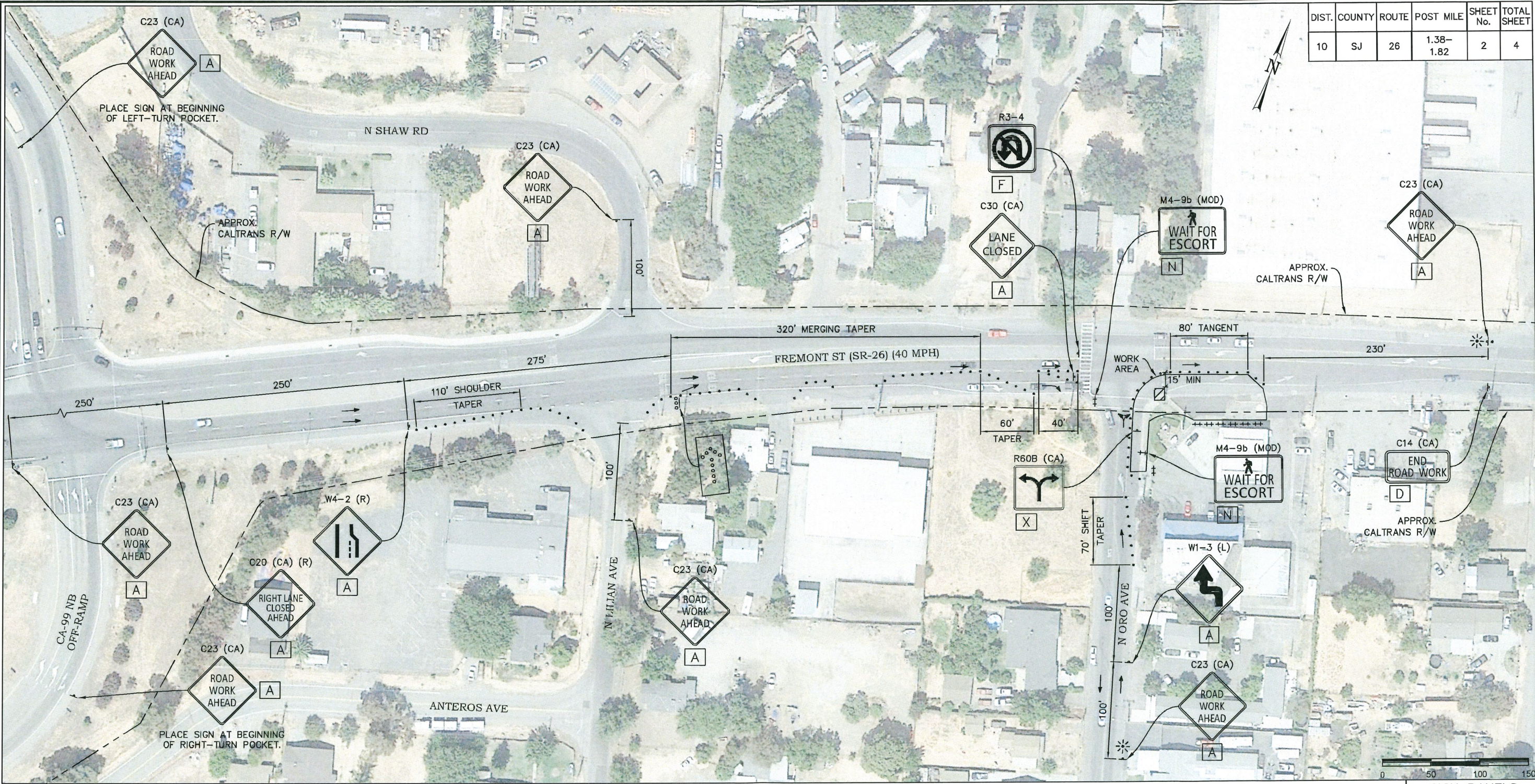
SUN MOUNTAIN
CA Lic. A1009314
1475 N. BROADWAY AVE SUITE 430 WALNUT CREEK, CA 94596
180 PROMENADE CIRCLE SUITE 300 SACRAMENTO, CA 95834

DWN:	VRB
CHKD:	VRB
SUPV:	VRB
APVD BY:	
SCALE:	



WORK HOURS: _____
CONTACT: _____
PHONE#: _____

DIST.	COUNTY	ROUTE	POST MILE	SHEET No.	TOTAL SHEET
10	SJ	26	1.38-1.82	2	4



SYMBOLS (THIS SHEET ONLY):

- = TRAFFIC LANE CONFIGURATION
- ⌢ = TEMPORARY TRAFFIC CONTROL SIGN
- = CHANNELIZING DEVICE (SPACING PER TABLE 1 ON CALTRANS STD T9)
- ⚡ = FLASHING WARNING LIGHT
- ⬆ = FLASHING ARROW BOARD
- † = TYPE III BARRICADE WITH FLASHING YELLOW BEACON
- ☐ = 12'x8'x6' EXCAVATION

SIGN PANELS	
A	48"x48"
D	48"x24"
F	36"x36"
N	24"x30"
X	54"x48"

No.	DATE	ISSUED FOR PERMIT	DESCRIPTION	VRB	VRB	VRB	DWN	CHKD	SUPV	APVD BY
0	05/28/19	ISSUED FOR PERMIT								
REVISIONS										

EC19-1609-C
TRAFFIC CONTROL PLAN

STOCKTON, CALIFORNIA

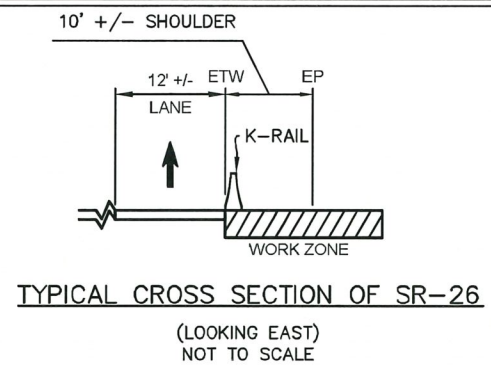
SUN MOUNTAIN
CA Lic. #1009314
1475 N. BROADWAY AVE SUITE 430 WALNUT CREEK, CA 94596
180 PROMENADE CIRCLE SUITE 300 SACRAMENTO, CA 95834

DWN: VRB
CHKD: VRB
SUPV: VRB
APVD BY:
SCALE: 1" = 50'
DATE: 05/29/19

Victor Balazs
VICTOR BALAZS
No. C 88209
CIVIL
STATE OF CALIFORNIA

WORK HOURS: _____
CONTACT: _____
PHONE#: _____

DIST.	COUNTY	ROUTE	POST MILE	SHEET No.	TOTAL SHEET
10	SJ	26	1.38-1.82	4	4



SYMBOLS (THIS SHEET ONLY):

- = TRAFFIC LANE CONFIGURATION
- ⚡ = TEMPORARY TRAFFIC CONTROL SIGN
- = CHANNELIZING DEVICE (SPACING PER TABLE 1 ON CALTRANS STD T9)
- ⚡ = FLASHING WARNING LIGHT
- = TL-3 CRASH CUSHION (ABSORB NCHRP 350 9-ELEMENT SYSTEM)
- = TEMPORARY 20' RAIL (TYPE K)
- ⊠ = 12'x8'x9' EXCAVATION
- ⚡^P = TYPE P OBJECT MARKER

SIGN PANELS

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

No.	DATE	ISSUED FOR PERMIT	DESCRIPTION	VRB	VRB	VRB	DWN	CHKD	SUPV	APVD BY
0	05/29/19	ISSUED FOR PERMIT								
REVISIONS										

EC19-1609-D&E
TRAFFIC CONTROL PLAN

STOCKTON, CALIFORNIA

SUN MOUNTAIN
CA Lic. A1009314
1475 N. BROADWAY AVE SUITE 430 WALNUT CREEK, CA 94596
180 PROMENADE CIRCLE SUITE 300 SACRAMENTO, CA 95834

DWN: VRB
CHKD: VRB
SUPV: VRB
APVD BY:
SCALE: 1" = 50'
DATE: 05/29/19

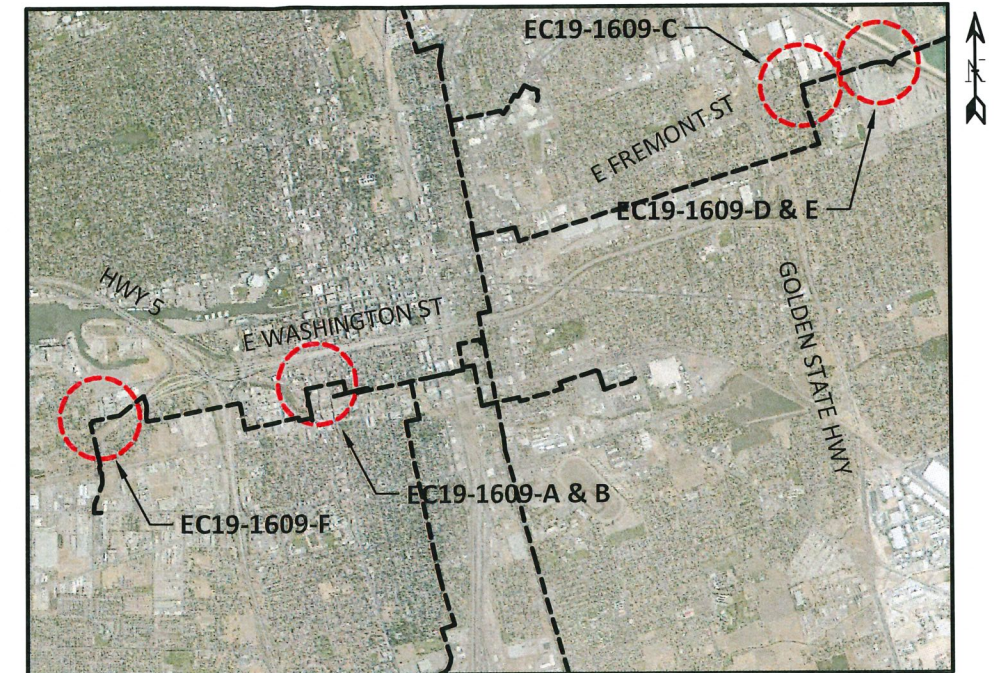
Victor Balazs
VICTOR BALAZS
No. C 88209
CIVIL
STATE OF CALIFORNIA

WORK HOURS: _____
CONTACT: _____
PHONE#: _____

SHEET No. 6 OF 6 SHEETS

EC19-1609, D-961A,
DFM-1607-01, DFM-1608-01 &
DFM-1609-01
ECDA INVESTIGATION DIG
& CASING REMOVAL

ORDER #84007710



VICINITY MAP
NOT TO SCALE

STOCKTON, CA

GENERAL NOTES:

1. THIS DRAWING IS ISSUED FOR PERMIT. REFER TO CONTRACT DOCUMENTATION FOR ADDITIONAL CLARITY OF SCOPE OF WORK.
2. THIS DRAWING HAS BEEN CREATED BY REVIEW OF THE AS-BUILT DRAWINGS & RECORDS. ACCURACY IS DEPENDENT UPON THE SOURCE DOCUMENTS LISTED IN THE REFERENCE DOCUMENTS.
3. UTILITIES SHOWN ON DRAWING ARE APPROXIMATE BASED UPON REVIEW OF PG&E DIG SHEET, DIGS BASIS MEMO, & GIS. CONTRACTOR TO CALL USA TO HAVE LOCATION OF THESE FACILITIES MARKED & POTHOLE TO EXPOSE/VERIFY LOCATION.

CONSTRUCTION NOTES:

1. UNDERGROUND SERVICE ALERT : CALL 811 (1-800-227-2600) A MINIMUM OF 2 BUSINESS DAYS (NOT INCLUDING INITIAL DAY OF CONTACT) IN ADVANCE FOR THE MARKING OF UNDERGROUND UTILITIES, INCLUDING ALL NON-UTILITIES BEFORE YOU DIG, GRADE, OR EXCAVATE.
2. UTILITY NOTES:
 - A. DIMENSIONS SHOWN ON THESE DRAWINGS ARE BASED ON THE BEST AVAILABLE INFORMATION FROM SEVERAL SOURCES, & SHALL BE VERIFIED IN THE FIELD BY CONSTRUCTION PERSONNEL PRIOR TO EXCAVATION.
 - B. THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE & LOCATION OF UNDERGROUND UTILITIES, PROPERTY LINES, & OTHER SUBSTRUCTURES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE, UNLESS OTHERWISE NOTED. CONSTRUCTION PERSONNEL ARE RESPONSIBLE FOR MAKING ALL DETERMINATIONS AS TO THE TYPE & LOCATION OF UNDERGROUND UTILITIES & OTHER SUBSTRUCTURES AS NECESSARY TO AVOID DAMAGE OR ENCROACHMENTS.
 - C. PROSPECTING IS REQUIRED AHEAD OF WORK.
 - D. ALL EXCAVATIONS WITHIN EXISTING STATIONS SHALL BE HAND DUG OR EXCAVATED USING SOFT DIG METHODS (e.g. VACUUM EXCAVATIONS OR SIMILAR).
3. COATING REMOVAL:

BEFORE REMOVING THE PIPE COATING ON PRE-1972 PIPE (DOES NOT INCLUDE PLASTIC TAPE OR FUSION BONDED EPOXY COATINGS) THE FOLLOWING STEPS SHALL BE TAKEN:

 - A. FOR ALL NON-EMERGENCY WORK, PRE-1972 PIPE WRAP MUST BE EVALUATED TO DETERMINE IF IT CONTAINS ASBESTOS PRIOR TO REMOVAL.
 - B. FOR EMERGENCY WORK ON PRE-1972 PIPE, ASSUME THE WRAP CONTAINS > 1% ASBESTOS UNTIL THE WRAP CAN BE TESTED.
 - C. OBTAIN SAMPLES OF THE WRAP, & HAVE SAMPLES TESTED FOR ASBESTOS IN ACCORDANCE WITH WP 4711-01.
 - D. TEST RESULTS ARE TO BE INCLUDED WITH THE FINAL JOB PACKAGE.
 - E. FOLLOW PROCEDURE IN WP 4711-01 FOR REMOVAL OF PIPE WRAP.

4. RESTORATION & CLEAN UP:
 - A. RESTORATION OF PUBLIC STREETS, SIDEWALKS, CURBS, ETC. ABOVE PIPE BEDDING SHALL BE IN ACCORDANCE WITH THE LATEST CITY, COUNTY, OR AGENCY STANDARDS.
 - B. WHEREVER THERE ARE ROW CROPS, THE TOPSOIL SHALL BE REMOVED TO A DEPTH OF 12" & STORED ON SITE. UPON COMPLETION OF CONSTRUCTION, THE TOPSOIL SHALL BE RESTORED. TAKE CARE TO PREVENT MIXING OF TOPSOIL & SUBSOIL.
5. WELDING REQUIREMENTS:
 - A. INSTALL TEST STATIONS WITH THERMITE WELD CONNECTION IN ACCORDANCE WITH GAS T & D CORROSION CONTROL MANUAL 0-10, 0-10.1, & 0-10.2.
6. PAINTING & COATING REQUIREMENTS:
 - A. ALL EXPOSED PIPE & FITTINGS ARE TO BE PAINTED IN ACCORDANCE WITH GAS STANDARD E-30. ALL COATING ON BURIED PIPE & FITTINGS ARE TO BE APPLIED IN ACCORDANCE WITH GAS STANDARD E-35.
 - B. FOR COATING SELECTIONS ON BURIED PIPE, SEE DIRECT BURIAL COATING SELECTIONS TABLE.
7. DOCUMENTATION OF INSPECTION OF EXISTING PIPELINE:

WHENEVER EXISTING BURIED GAS FACILITIES ARE EXCAVATED DURING ENGINEERING OR DURING CONSTRUCTION, AN A-FORM (TD-4110P-03-F01) SHALL BE COMPLETED FOR THE GENERAL INSPECTION. THIS ALSO APPLIES TO GAS FACILITIES BEING DEACTIVATED. THE COMPLETED A-FORM SHALL BE SUBMITTED WITH THE FINAL JOB PACKAGE.
8. COPIES OF REFERENCE DRAWINGS ARE AVAILABLE TO FIELD PERSONNEL (PG&E, INSPECTION OR CONTRACTOR) ON AN AS NEEDED BASIS. CONTACT THE CONTRACT ENGINEER IDENTIFIED IN CONTACTS TO OBTAIN COPIES OF REFERENCE DRAWINGS.

SEQUENCE OF OPERATIONS (ECDA INVESTIGATION DIG):

1. INSTALL BMPS.
2. EXCAVATE & EXPOSE PIPELINE AS SHOWN IN LOCATION IMAGE(S) & IDENTIFIED IN ECDA DIG SHEET (FORM N).
3. COMPLETE PIPELINE INSPECTION IN ACCORDANCE WITH RMP-09 PROCEDURE FOR EXTERNAL CORROSION DIRECT ASSESSMENT.
4. COMPLETE "H" FORM INSPECTION.
5. PERFORM REPAIRS AS NEEDED.
6. RECOAT THE PIPELINE IN ACCORDANCE WITH GAS STANDARD E-35.
7. COMPLETE DOCUMENTATION AS REQUESTED BY THE PROJECT ENGINEER.
8. BACKFILL & COMPACT EXCAVATION PER PERMIT STANDARDS.
9. INSTALL PG&E GAS WARNING DECALS & PIPELINE MARKER DECALS AS NEEDED.
10. REMOVE BMPS.
11. RESTORE PROJECT SITE.

CONTACT INFORMATION:

MICHEL, PROJECT MANAGER
Christopher Curtis (920)-392-9984
PLE, PG&E ENGINEER
Wayne Gilbert (925)-515-1849
DA, PG&E ENGINEER
Christina Avery (925)-328-5859

SEQUENCE OF OPERATIONS: CASING REMOVAL

1. INSTALL BMPS.
2. LOCATE CASING.
3. EXCAVATE & EXPOSE CASING AS SHOWN IN LOCATION IMAGE.
4. CUT & REMOVE CASING. SUPPORT PIPE WHILE CASING IS BEING REMOVED.
5. COMPLETE "H" FORM INSPECTION.
6. PERFORM REPAIRS AS NEEDED.
7. RECOAT THE PIPELINE IN ACCORDANCE WITH GAS STANDARD E-35.
8. INSTALL TEST FACILITIES (CTS) AS REQUIRED BY THE PG&E ENGINEER.
9. COMPLETE DOCUMENTATION AS REQUESTED BY THE PG&E ENGINEER.
10. BACKFILL & COMPACT EXCAVATION PER PERMIT STANDARDS.
11. INSTALL PG&E GAS WARNING DECALS & PIPELINE MARKER DECALS.
12. REMOVE BMPS.
13. RESTORE PROJECT SITE.



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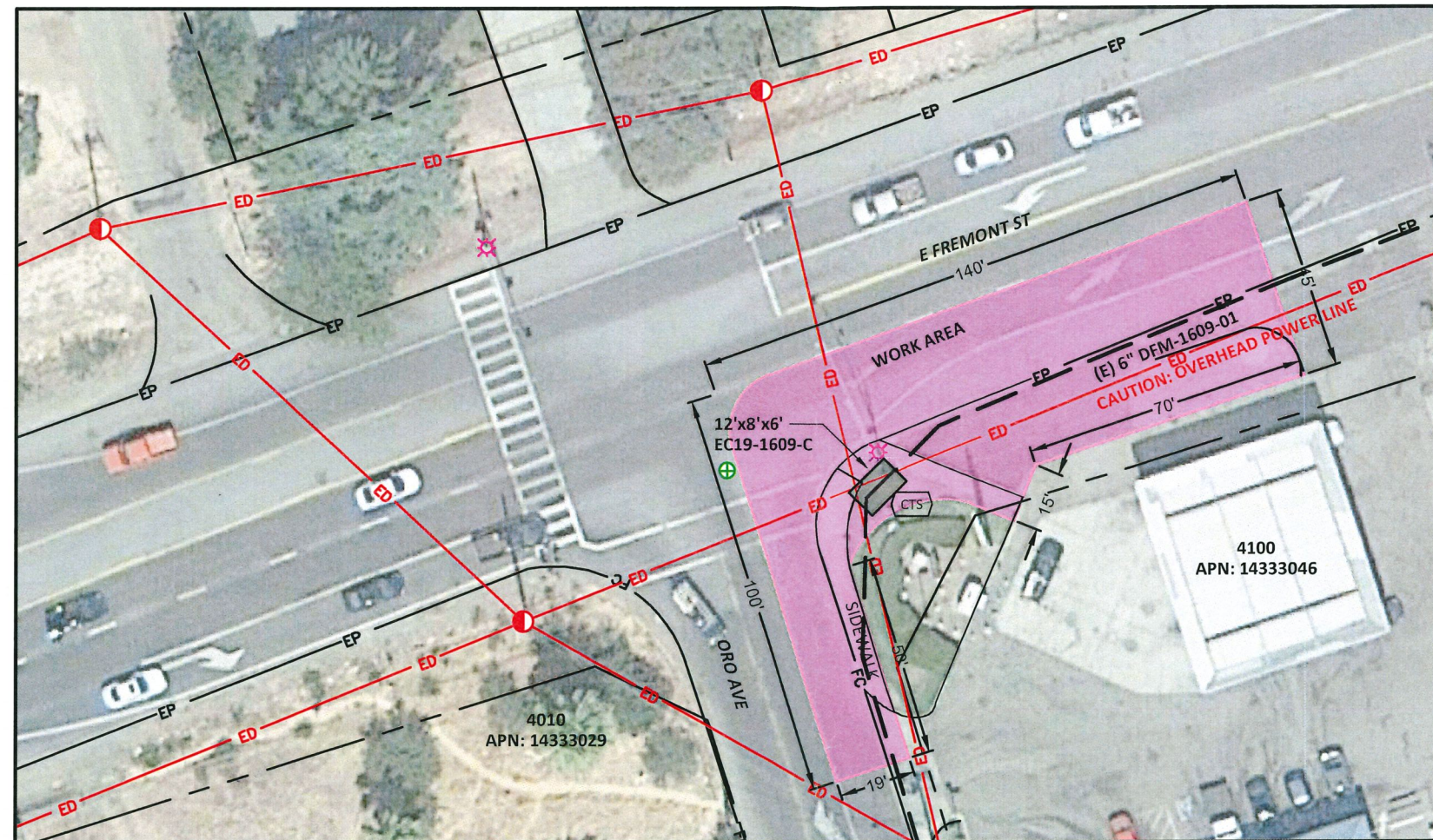


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ALL DIMENSIONS ARE
APPROXIMATE. ORIGINAL
DRAWING SIZE 11"x17".
IMAGE SOURCE:
MICROSOFT BING

									APPROVED BY	GM	<p align="center"> EC19-1609, D-961A DFM-1607-01, DFM-1608-01 & DFM-1609-01 ECDA INVESTIGATION DIGS & CASING REMOVAL STOCKTON, CALIFORNIA </p>			
										SUPV				
										DSGN				
C	6/11/2019	NEW GAS LINE PLACEMENT-MODIFY SITES	84007710	RML						DWN RML				
B	5/31/2019	MODIFY PRINTS	84007710	RML						CHKD				
A	5/28/2019	ISSUED FOR REVIEW	84007710	RML						OK				
NO.	DATE	DESCRIPTION	GM/SPEC	DWN	CHKD	SUPV	APVD BY			DATE 6/12/2019				
REVISIONS										SCALES AS SHOWN	84007710	JOB # 192153	SHEET 1 OF 5	C REV

EC19-1609-C:
4100 E FREMONT ST
STOCKTON, CA
(SCALE: 1" = 40')



EC19-1609-C:
DFM-1609-01, DIG MP: 2.4, STATION: 17+89
REGION: 1B-1, PRIORITY: Monitored
DEPTH TO T.O.P.: 32"
EXCAVATION DEPTH: 72"
CENTER OF BELL HOLE: 37.971615437, -121.240961498
PIPE : 6.625" OD x 0.156" WT
MAOP: 408 psig, YEAR INSTALL: 1990
SMYS GRADE: 42000

EC19-1609-C:

POST BACKFILL AS-BUILT STAMP		DATE
Pipe Protection Installed? Y / N If yes specify Type _____ <small>(Circle One) (ex: Rock shield, Sarguard, 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: _____

NOTES:

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

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DRAWING SIZE 11"x17".
IMAGE SOURCE:
MICROSOFT BING

									APPROVED BY	GM	<p align="center"> EC19-1609, D-961A DFM-1607-01, DFM-1608-01 & DFM-1609-01 ECDA INVESTIGATION DIGS & CASING REMOVAL STOCKTON, CALIFORNIA </p>			
										SUPV				
										DSGN				
C	6/11/2019	NEW GAS LINE PLACEMENT-MODIFY SITES	84007710	RML						DWN RML				
B	5/31/2019	MODIFY PRINTS	84007710	RML						CHKD				
A	5/28/2019	ISSUED FOR REVIEW	84007710	RML						OK				
NO.	DATE	DESCRIPTION	GM/SPEC	DWN	CHKD	SUPV	APVD BY			DATE 6/12/2019				
REVISIONS										SCALES AS SHOWN	84007710	JOB # 192153	SHEET 3 OF 5	C 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.

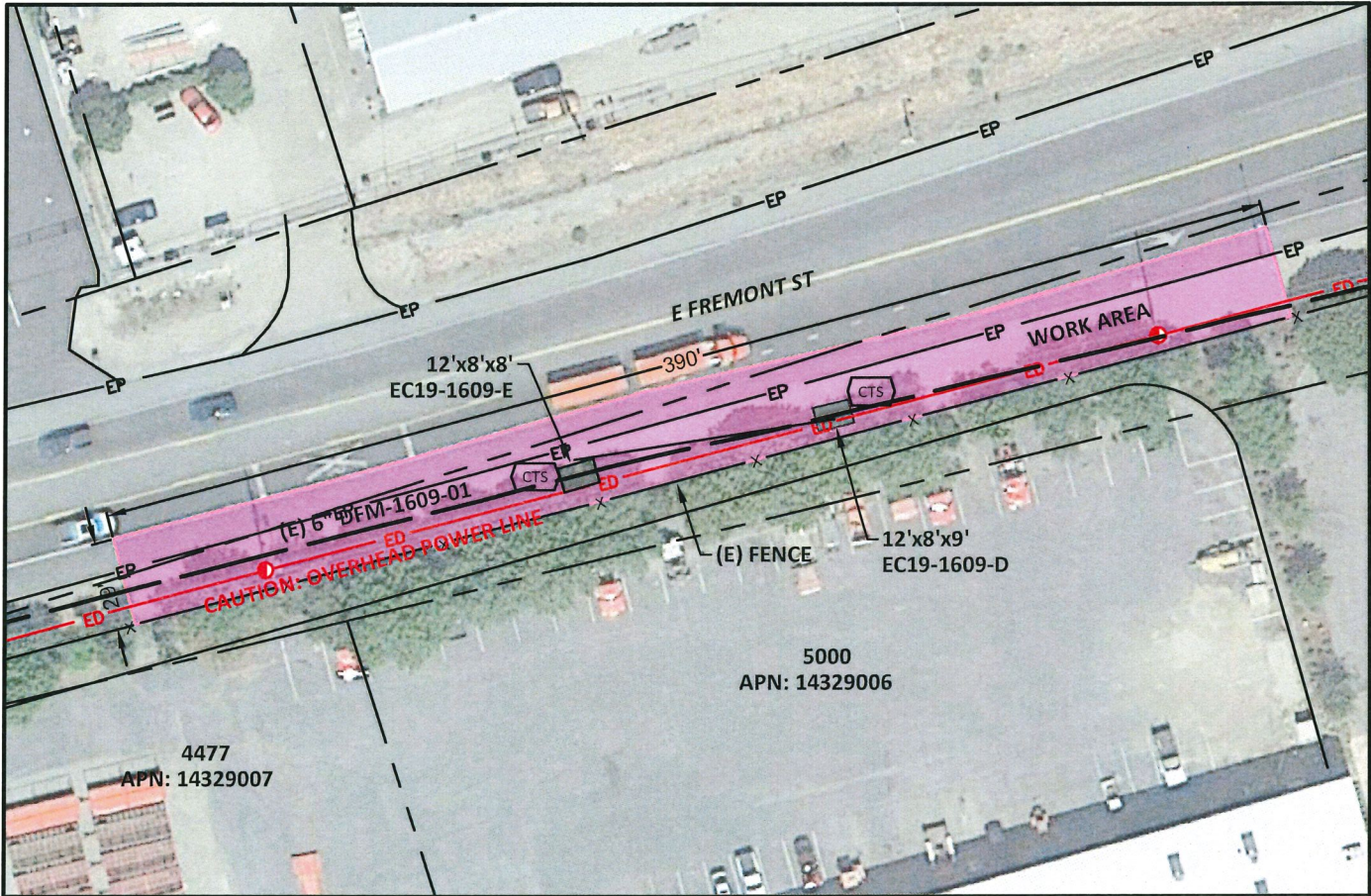


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EC19-1609-D & E:
540 S CENTER ST
STOCKTON, CA
(SCALE: 1" = 60')



EC19-1609-D:
DFM-1609-01, DIG MP: 2.825, STATION: 40+17
REGION: 1A-1, PRIORITY: Monitored
DEPTH to T.O.P.: 69"
EXCAVATION DEPTH: 108"
CENTER OF BELL HOLE: 37.973474882, -121.233616429
PIPE : 6.625" O.D. x 0.281" W.T.
MAOP: 408 psig, YEAR INSTALL: 1990
SMYS GRADE: 35000

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

EC19-1609-E:
DFM-1609-01, DIG MP: 2.8081, STATION: 39+21 to 39+31
REGION: 1B-1, PRIORITY: Monitored
DEPTH to T.O.P.: 57"
EXCAVATION DEPTH: 96"
CENTER OF BELL HOLE: 37.973418622, -121.233905975
PIPE : 6.625" OD x 0.156" WT
MAOP: 408 psig, YEAR INSTALL: 1985
SMYS GRADE: 35000

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

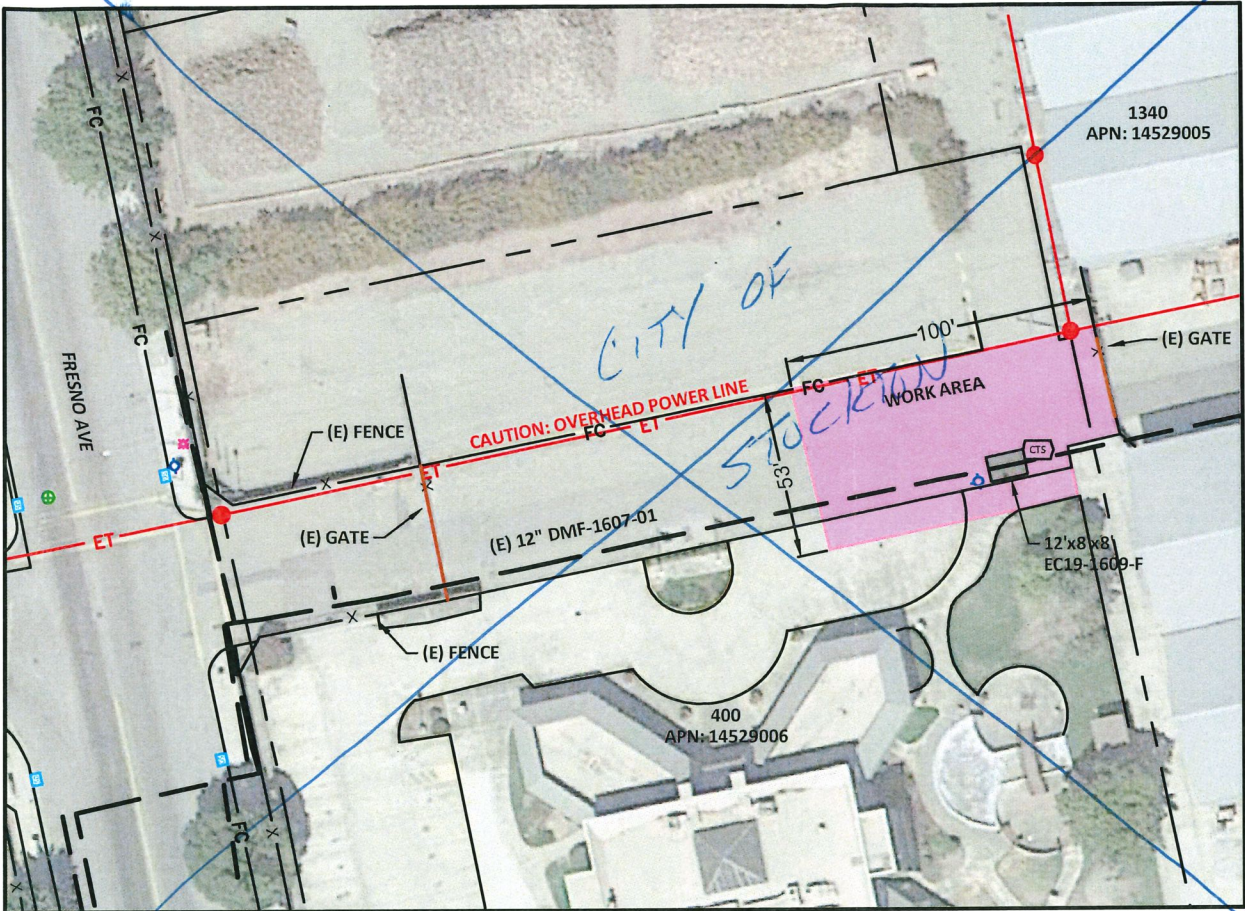
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NO.	DATE	DESCRIPTION	GM/SPEC	DWN	CHKD	SUPV	APVD BY
C	6/11/2019	NEW GAS LINE PLACEMENT-MODIFY SITES	84007710	RML			
B	5/31/2019	MODIFY PRINTS	84007710	RML			
A	5/28/2019	ISSUED FOR REVIEW	84007710	RML			
REVISIONS							

EC19-1609-F:
400 FRESNO AVE
STOCKTON, CA
(SCALE: 1" = 60')



EC19-1609-F:
DFM-1607-01, DIG MP: 1.5756, STATION: 83+58
REGION: 1A, PRIORITY: No Action Required
DEPTH to T.O.P.: 60"
EXCAVATION DEPTH: 96"
CENTER OF BELL HOLE: 37.944902631, -121.311517534
PIPE : 12.750" OD x 0.281" WT
MAOP: 175 psig, YEAR INSTALL: 2014
SMYS GRADE: 52000

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

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



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STOCKTON, CALIFORNIA	
84007710	JOB # 192153
SHEET 4 OF 5	C REV

LEGEND:

	PROPOSED GAS TRANSMISSION LINE		PIPE END CUT (SIDE)		ELECTRIC VAULT
	EXISTING GAS TRANSMISSION LINE		PIPE END CUT		UTILITY POLE (ELECTRIC)
	GAS TRANSMISSION LINE (TO BE RETIRED)		CENTER LINE		UTILITY POLE (OTHER)
	GAS TRANSMISSION LINE (TO BE REMOVED)		COMPUTER AUTOMATED TEST STATION		JOINT POLE
	GAS DISTRIBUTION LINE		COUPON TEST STATION		WATER METER
	GAS SERVICE LINE		ELECTROLYSIS TEST STATION		WATER VALVE
	GAS TRANSMISSION LINE (RETIRED)		GAS VALVE		STORM DRAIN
	GAS DISTRIBUTION LINE (RETIRED)		GAS VAULT		SEWER MANHOLE
	GAS SERVICE LINE (RETIRED)		INSULATION JOINT		TIE-IN-WELD
	ELECTRIC TRANSMISSION LINE		PRESSURE CONTROL FITTING		TREE
	ELECTRIC DISTRIBUTION LINE		GAS VENT		AGM
	ELECTRIC SERVICE LINE		POTHOLE		FIRE HYDRANT
	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				

ACRONYM DEFINITION:

(E)	Existing	FBE	Fusion Bonded Epoxy	PSI	Pounds per Square Inch
(P)	Proposed	FC	Face of Curb	REG	Regulator
API	American Petroleum Institute	FL	Fence Line	ROW	Right of Way
APN	Assessor's Parcel Number	G	Natural Gas	SAWH	Submerged Arc-Welded Helical
ASME	American Society of Mechanical Engineers	GM	Natural Gas Main	SAWL	Submerged Arc-Welded Longitudinal
ASTM	American Society for Testing Materials	GR	Grade	SD	Storm Drain
BBCL	Bell Bell Chill Ring	GS	Natural Gas Service	SHT	Sheet
BC	Back of Curb	GS&S	Gas Standards and Specifications	SL	Sewer Lateral
BD	Blowdown	GW	Natural Gas Well	SMLS	Seamless
BOM	Bill(s) of Material	HFW	High Frequency Welded	SMYS	Specified Minimum Yield Strength
BTU	British Thermal Units	HPR	High Pressure Regulator	SS	Sanitary Sewer
CATS	Computer Automated Test Station	ILI	In-Line Inspection	SSAW	Single Submerged Arc-Welded
CL	Centerline	L	Line Number	STD	Standard
CP	Cathodic Protection	LAT	Latitude	TD	Technical Document
CTS	Coupon Test Station	LONG	Longitude	TCE	Temporary Construction Easement
DCUST	Distribution Customer	M	Monitor	TCP	Traffic Control Plan
DEG	Degree	MAOP	Maximum Allowable Operating Pressure	TYP	Typical
DET	Detail	MLV	Main Line Valve	UG	Underground
DFM	Distribution Feeder Main	MP	Mile Point	USA	Underground Service Alert
DIST	Distribution	MW	Working Monitor	UT	Ultra-Sonic Test
DR	Distribution Regulator	NDE	Non-Destructive Examination	V	Valve
DREG	District Regulator	NPC	Non-Protected/Native Coupon	VIF	Verify in Field
DSAW	Double Submerged Arc-Welded	NTS	Not to Scale	W	Water
ELE	Electric	OD	Outside Pipe Diameter	WT	Wall Thickness
ELEV	Elevation	OH	Overhead	W/	With
EMS	Engineering Material Specification	P	Pipeline	W/O	Without
ER	Edge of Road	P/L	Property Line	WP	Work Procedure
ERW	Electric Resistance Welded	PC	Protected/Polarized Coupon	WS	Water Service
ETS	Electrolysis Test Station	PCF	Pressure Control Fitting		
F	Filter	PL	Plastic		

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																			SUPV
																			DSGN
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																			AS SHOWN

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CASING REMOVAL

STOCKTON, CALIFORNIA

84007710	JOB # 192153	SHEET 5 OF 5	C REV
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