



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-1800303
Date Issued: 01/31/2018
Start Date: 02/01/2018
Exp. Date: 07/15/2018
Project No: PWP730052
Quad: SW

UE/CR/PM NO:31347789

ENCROACHMENT PERMIT

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

Encroachment Type:

Guardrail Install			
-------------------	--	--	--

Location:

S/S OF DURHAM FERRY RD. 2142' W/O KASSON RD.

In compliance with your request of 01/31/2018, 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*****Install Guardrail per Caltrans Standard Plans RSP A77L1; RSP A77Q1; RSP A77Q4*****Install Guardrail a minimum of 6'-0' from edge of pavement*****

FORMS:

SS/WW		
-------	--	--

Est. Permit Fee: \$436.00

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
ENCROACHMENT PERMIT

1. Maintain traffic controls for all roads. Traffic control delays shall not exceed 15 minutes. Two-way traffic shall be maintained during non-working hours with excavated areas backfilled or plated. During working hours, two-way traffic control shall be maintained with one lane open and appropriate flaggers.
2. Work shall not be permitted within the San Joaquin County right-of-way between November 1 and March 31 without prior authorization from the San Joaquin County Department of Public Works Field Engineering Division, contact them at 209-953-7421.
3. 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.
4. 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)
5. All future maintenance of the pipeline and related facilities within the County right-of-way will require a San Joaquin County Encroachment Permit.
6. The contractor shall not conduct construction operations in rain or heavy fog conditions.

APPLICATION FOR ENCROACHMENT PERMIT

PLEASE PRINT:

Date 12 / 18 / 2017

To: San Joaquin County
Department of Public Works

PG&E PM 31347789
(Applicant Name)

4040 West Lane
(Mailing Address)

Stockton, CA 95204
(City, State, Zip Code)

(209) 373 - 9432 rxd2@pge.com
(Area Code - Telephone Number)

OFFICE USE ONLY

JOB #	<u>730052-6</u>	REF #	
APN		CR #	
EXP. DATE	<u>7/15/18</u>		
VALID	<u>2/1/18</u>	TO	<u>7/15/18</u>
STREET	<u>DURHAM FERRY RD.</u>		
AREA	<u>TRACY</u>	QUAD	<u>SW</u>
TYPE	<u>INSTALLATION GUARDRAIL SYSTEM</u>		
FORMS	<u>SS/NN</u>		
NOTES			
* INSTALL PER CALTRANS STANDARDS			
<u>RSP A77L1; RSP A77Q1 AND RSP A77Q4</u>			

Sketch (Detailed plans may be submitted)

See Sketch.

Crew to call SJ County inspector at (209) 953 - 7421 48 to 72 hours before work starts. When calling, Crew shall request "Rain Clearance" for any work during winter months November through March.

The undersigned hereby applies for permission to excavate, construct and/or otherwise encroach on County Highway Right-of-Way on the S side of Durham Ferry Rd approximately 2142 feet/mile S/W of Kasson Rd Going N, Tracy, by performing the following work (description of work):

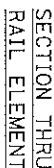
Install 60'  in ROW.
GUARDRAIL SYSTEM

Work will commence on or about 2-1-18 for approximately 2 days.
End 7-1-18

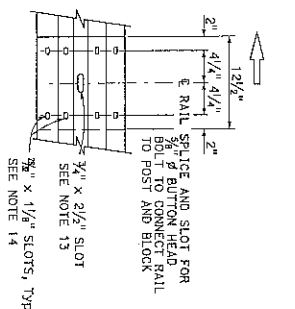
I, the undersigned, certify that I am the owner of the respective property, or am qualified to represent the owner and agree to do the work described above in accordance with the rules and regulations of San Joaquin County and subject to inspection and approval.

Roland Davis Fwd Engr
Signature of Applicant - Title

12 / 18 / 2017
Date

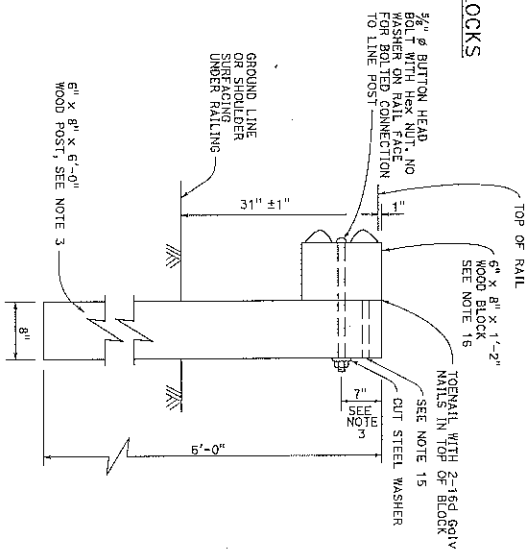


ELEVATION



RAIL ELEMENT SPLICE DETAIL

- a) Connect the overlapped end of the rail element with $5/8" \times 1/2"$ butt-joint steel oval shoulder splice bolts inserted into the $3/4" \times 1/4"$ slots and bolted together.
- b) The ends of the rail elements are to be overlapped in the direction of traffic (see details).
- c) Where end caps are to be attached to the end of a rail element, a total of 4 of the above described splice bolts and nuts are to be used.



SECTION A-A
TYPICAL WOOD LINE
POST INSTALLATION

1. For details of steel post installations, see Revised Standard Plan RSP A77L2.
2. For details of standard hardware used to construct MGS, see Revised Standard Plan RSP A77M1.
3. For details of wood posts and wood blocks used to construct MGS, see Revised Standard Plan RSP A77N1.
4. For additional installation details, see Revised Standard Plan RSP A77N3.
5. MGS post spacing to be 6'-3" center to center, except as otherwise noted.
6. For MGS typical layouts, see the A77P, A77Q and A77R Series of Standard Plans.
7. If rolling is connected to terminal system and treatment, use 3" height terminal system and treatment.
8. For MGS and anchor details, see Revised Standard Plans RSP A77J1 and RSP A77T1.
9. For details of MGS transition to bridge rolling, see Revised Standard Plan RSP A77U4.
10. For additional details of MGS connection to bridge rolling, see Revised Standard Plans RSP A77U1, RSP A77U2 and RSP A77U1.
11. For MGS connection details to abutments and walls, see Revised Standard Plan RSP A77U3.
12. For typical MGS delineation and dike post spacing details, see Revised Standard Plan RSP A77N6.
13. Sloshed hole for bolted connection of roll element to block and post.
14. Sloshed hole for splice bolts to overlap ends of roll element.
15. Additional hole in uppermost portion of line post is for use in connection with rolling height.
See Revised Standard Plan RSP A77N1.
6. 6" x 12" x 1'-2" block must be used with 6" dike.

NO SCALE

MIDWEST GUARDRAIL SYSTEM
STANDARD RAILING SECTION
(WOOD POST WITH
WOOD BLOCK)

RSP A77L1 DATED JANUARY 20, 2017 SUPERSEDES RSP A77L1
DATED JULY 19, 2013 THAT SUPPLEMENTS STANDARD PLANS BOOK DATED 2010.
REVISED STANDARD PLAN RSP A77L1

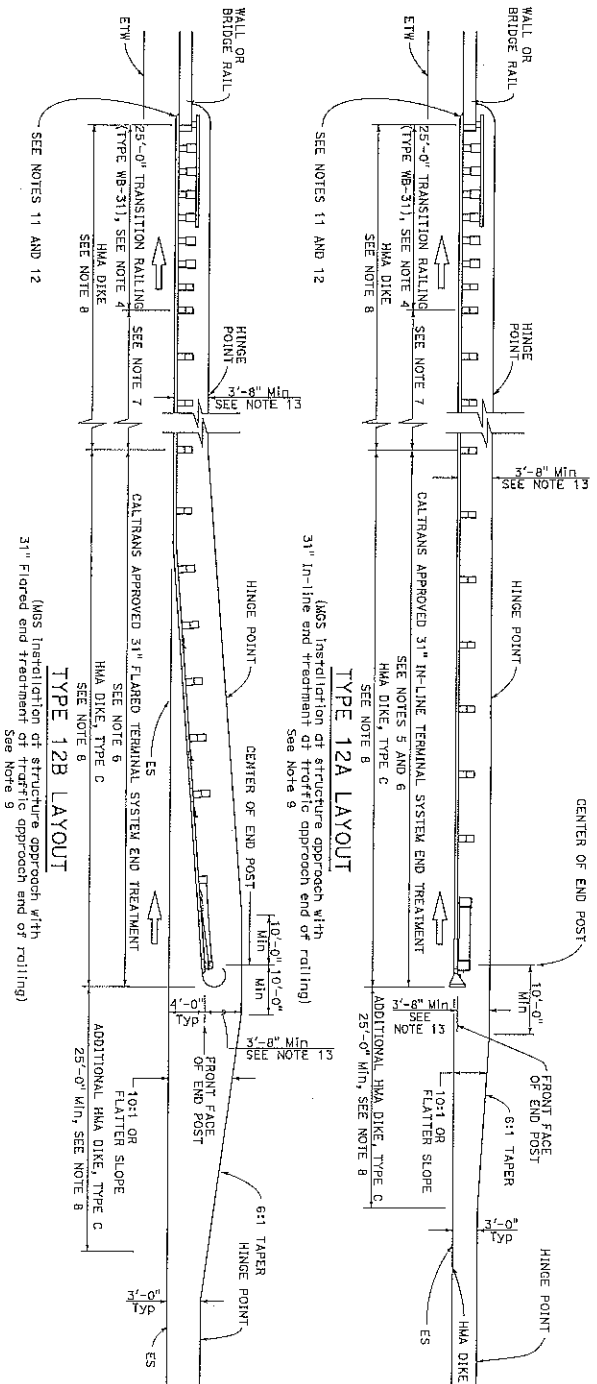
[illegible]

Sheet	COUNTY	ROUTE	POST MILES	SHEET TOTAL
101			TOTAL PROJECT	NO. SHEETS

For use by the Designer

REGISTERED CIVIL ENGINEER
JANUARY 20, 2017
BRUCE D. JONES
NO. 10000
EXPIRATION DATE
JAN 20, 2020
THE ENGINEER SHALL BE RESPONSIBLE FOR
CHECKING OF THIS PLAN SHEET FOR
COMPLETION OF THE DESIGN

TO ACCOMPANY PLANS DATED _____



NOTES:

1. Line post, blocks and hardware to be used are shown on Revised Standard Plans RSP AT7U1, RSP AT7U2, RSP AT7U3, RSP AT7U4 and RSP AT7U5.
2. MGS post spacing to be 6'-3" center to center, except as otherwise noted.
3. Except as noted, line posts are 6" x 8" x 6'-0" wood with 6" x 12" x 1'-2" wood blocks, 6" x 8.5" or 6" x 9 steel posts, 6'-0" in length, with 6" x 12" x 1'-2" notched wood blocks or plastic blocks may be used for 6" x 8" x 6'-0" wood posts with 6" x 12" x 1'-2" wood blocks where applicable and when specified.
4. For Transition Railing (Type WB-31) details for Types 12A and 12B layouts, see Revised Standard Plan RSP AT7U4.
5. 31" in-line terminal system and treatments are used where site conditions will not accommodate a 31" flared end treatment.
6. The type of 31" terminal system and treatment to be used will be shown on the Project Plans.
7. Dependent on site conditions (embankment height, side slopes, or other fixed objects), it may be necessary to install a 12.5 degree angle of departure on the rolling and end treatment. A 12.5 degree angle of departure can be drawn on the Project Plans from the edge of traveled way through the outer most point of the fixed object to determine the additional length of rolling needed.
8. Where placement of dike is required with guard railing installations, see Revised Standard Plan RSP AT7U4 for dike positioning details.
9. Type 12A or Type 12B layouts are typically used:
 - a. To the right of approaching traffic, at the end of a structure, on structure is less than 40 feet.
 - b. To the left of approaching traffic, at the end of a structure, on structure is less than 40 feet.
 - c. To the right of approaching traffic of the end of each structure on multi-lane freeways or expressways with separate adjacent or parallel bridges.
 - d. To the right of approaching traffic of the end of the structure on multi-lane freeways or expressways with decked median on the bridge.
10. See Revised Standard Plan RSP AT7U3 for typical layout used left of approaching traffic of the ends of each structure on multi-lane freeways or expressways with separate adjacent or parallel bridges.
11. For additional details of typical connections to bridge rail, see Connection Detail AA on Revised Standard Plans RSP AT7U1, RSP AT7U2 and Connection Detail FF on Revised Standard Plans RSP AT7U1 and RSP AT7U2.
12. For additional details of a typical connection to walls or abutments, see Revised Standard Plan RSP AT7U3.
13. Use this offset for 8" block, for 12" block, use 4'-0" Min offset.

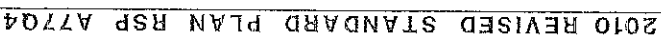
REVISOR STANDARD PLAN RSP AT7U1

RSP AT7U1 DATED JANUARY 20, 2017 SUPERSEDES RSP AT7U1 DATED AUGUST 14, 2015 AND RSP AT7U1 DATED JULY 19, 2013 THAT SUPERSEDES THE STANDARD PLANS BOOK DATED 2010.

MIDWEST GUARDRAIL SYSTEM
TYPICAL LAYOUTS FOR
STRUCTURE APPROACH

NO SCALE

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION



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:

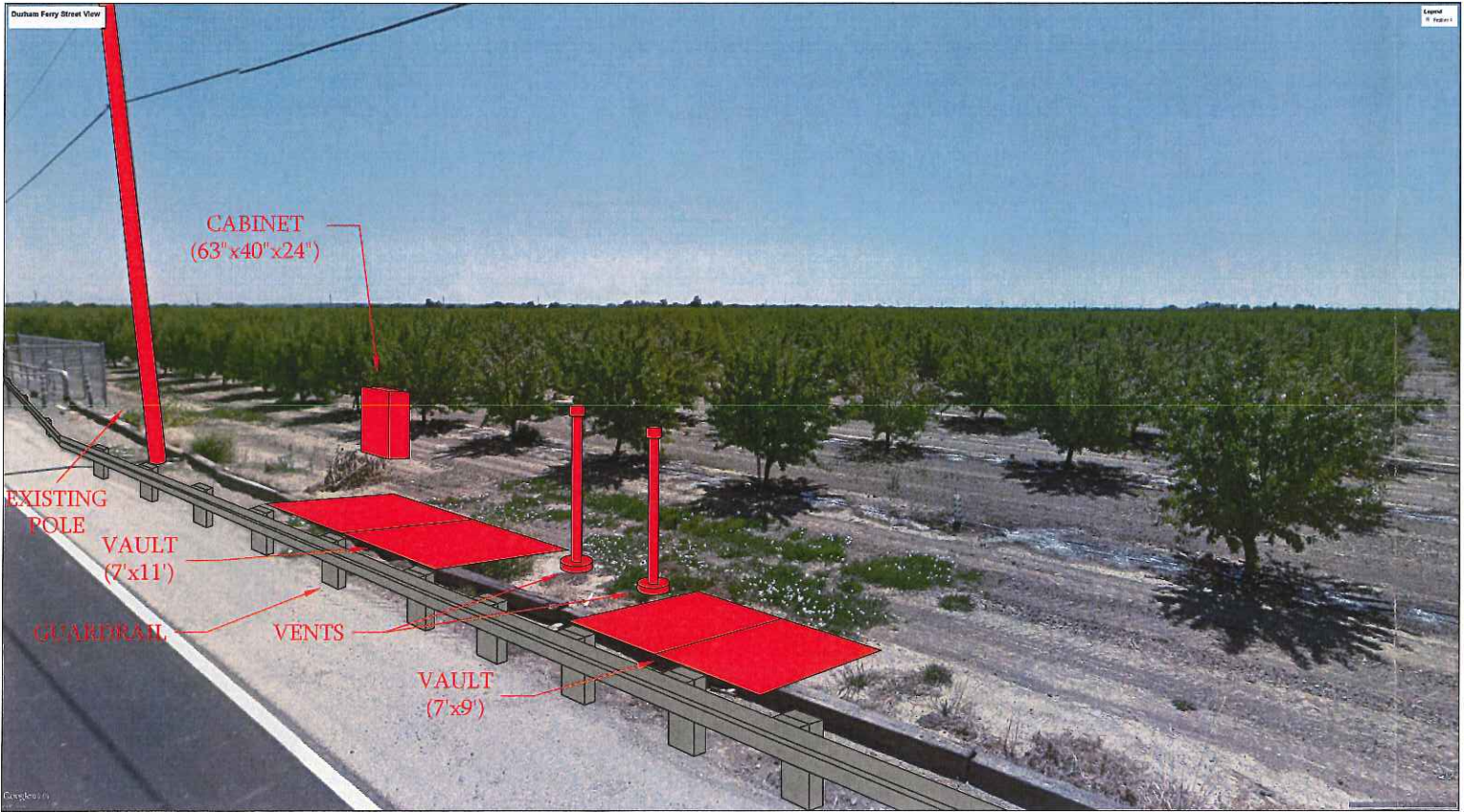
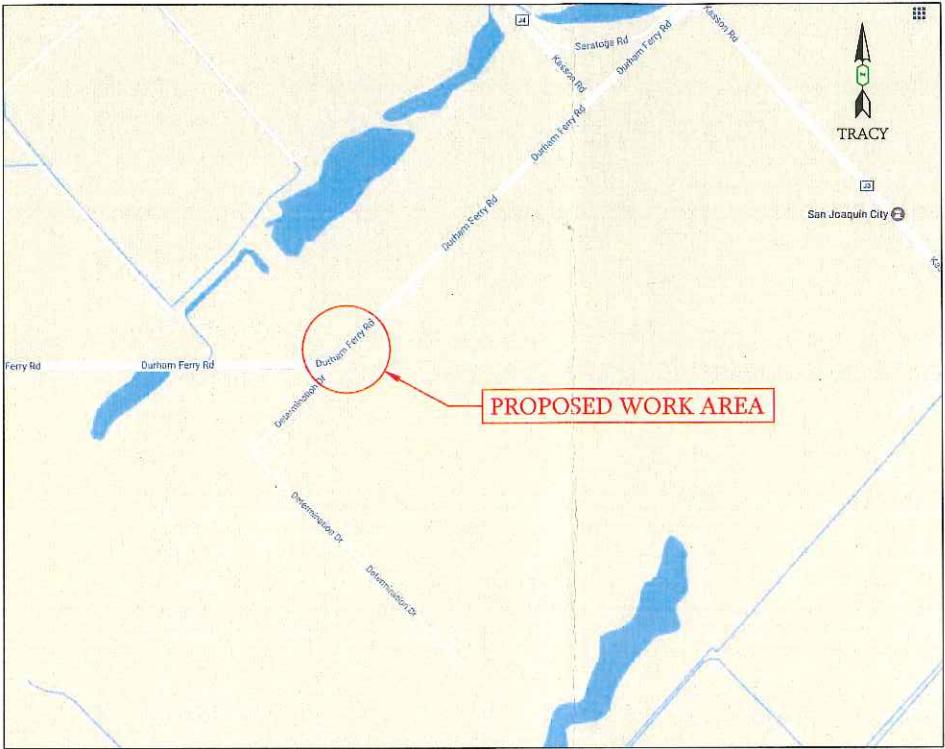
- A. All excavations shall be backfilled and compacted immediately after work therein has been completed.
- B. Trenched shall not be left open farther than 300 feet in advance of pipe laying operations, or 200 feet to the rear thereof, unless otherwise permitted by the Engineer.
- C. Unless otherwise 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 "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.

PROPOSED VAULTS & RTU CABINET
DURHAM FERRY ROAD, TRACY



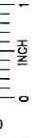
CO:	SD:	NOTIF.:	113199061
Other:	SHT:	1 OF 2	SHEETS
PW:	31347789	REV.	0

ENGINEERING AND PLANNING DEPT.
6121 BOLLINGER CANYON RD
SAN RAMON, CA 94583
PHONE #
FAX #

EST:	GUY MENDENHALL	DATE:	01-30-18
AD:	RUSS MARTINO/SCOTT HART	SCALE:	NONE
SUPV:	GERALD GABRIEL	APPROVED BY:	
REP:	SARAH MORGAN	NO.	
PLNR:	DAVE RYKERS	DATE	

NO.	DATE	DESCRIPTION	REVISIONS
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

RELOCATE REG STATION TYP-75 (2-444)
PERMIT SKETCH
DURHAM FERRY RD W/O KASSON RD
TRACY, CA



LEGEND

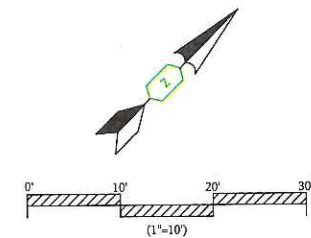
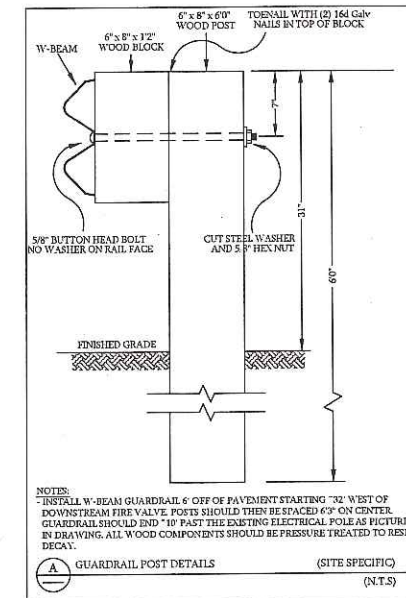
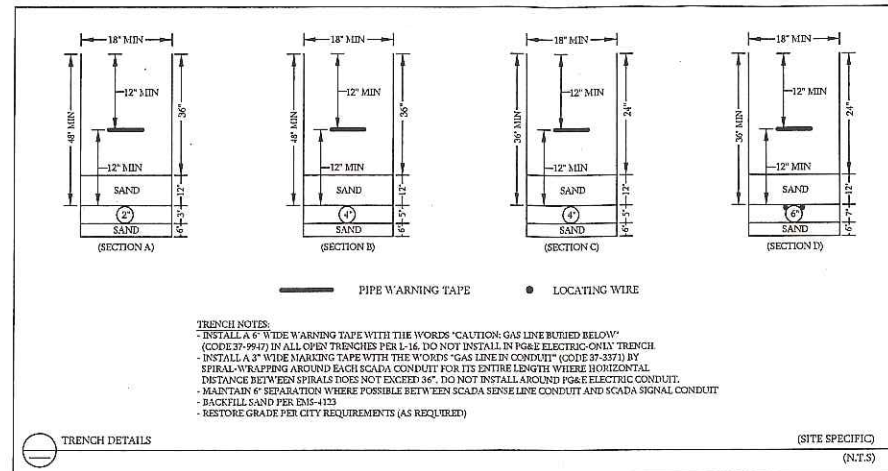
PLAN VIEW

EXISTING

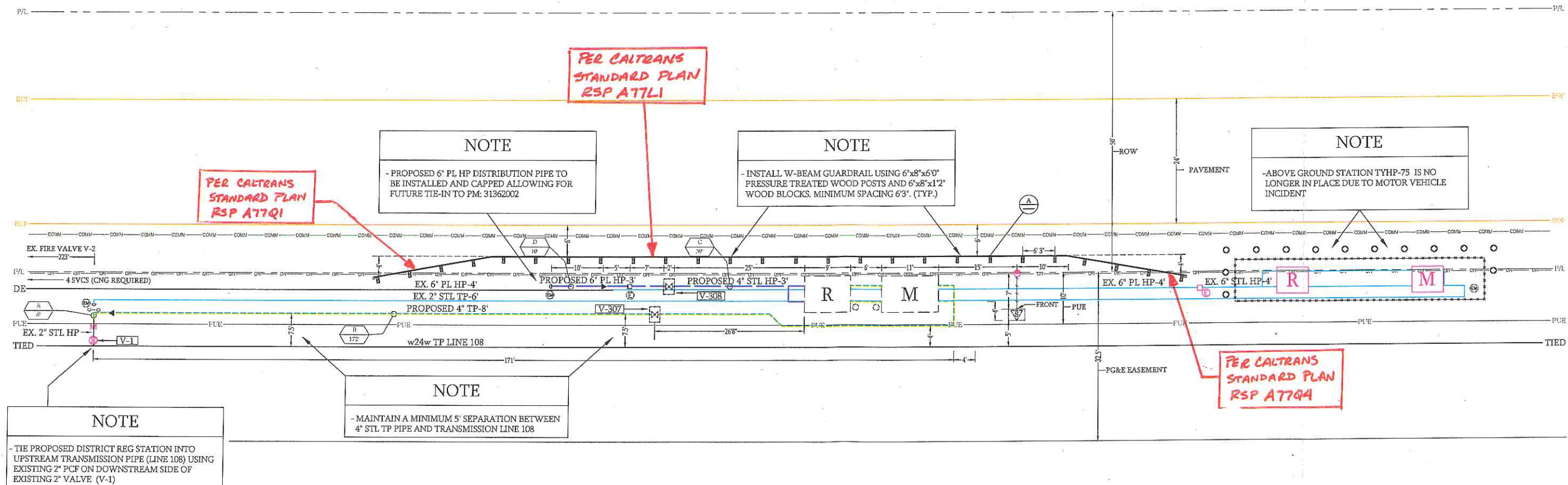
INSTALL

- GAS MAIN (SIZE & PRESSURE AS NOTED)
- GAS MAIN TO BE C/O (SIZE & PRES AS NOTED)
- P/L
- EDGE OF PAVEMENT
- PUE
- COMM (PHONE / CABLE)
- ELECTRIC (OVERHEAD)
- FENCE
- POWER POLE
- REGULATOR VAULT
- MONITOR VAULT
- VAULT VENT
- FIRE VALVE
- PROTECTION POST (EXISTING)
- MUELLER LINE STOPPER

- GAS MAIN (TP)
- GAS MAIN (HP)
- PG&E ELECTRIC (SCADA)
- TRENCH IDENTIFIER
- FIRE VALVE
- SCADA RTU CABINET (PAD)
- REGULATOR VAULT
- MONITOR VAULT
- VAULT VENT
- ETS STATION
- TRANSITION FITTING
- REDUCER
- MAIN CAP
- ELECTRONIC MARKER BALL
- W-BEAM GUARDRAIL



DURHAM FERRY RD (50')



CO:	ENGINEERING AND PLANNING DEPT.
SO:	6121 BOLLINGER CANYON RD
NOTES:	SAN RAMON, CA 94583
OTHER:	PHONE #:
SHT:	2 OF 2
REV:	0
REV:	31347789
REV:	PACIFIC GAS AND ELECTRIC COMPANY
EST:	GUY MENDENHALL
ADD:	RUSS MARINO/SCOTT HART
SUPV:	GERARD GABRIEL
REP:	SARAH MORGAN
PLNR:	DAVE RYAN
SCALE:	1" = 10'
DATE:	01-30-18
ORDER #:	1001-30-18
NO. DATE	
DESCRIPTION	RELOCATE REG STATION TYHP-75 (2-444)
REV	1
REV	2
REV	3
REV	4
REV	5
REV	6
REV	7
REV	8
REV	9
REV	10
REV	11
REV	12
REV	13
REV	14
REV	15
REV	16
REV	17
REV	18
REV	19
REV	20
REV	21
REV	22
REV	23
REV	24
REV	25
REV	26
REV	27
REV	28
REV	29
REV	30
REV	31
REV	32
REV	33
REV	34
REV	35
REV	36
REV	37
REV	38
REV	39
REV	40
REV	41
REV	42
REV	43
REV	44
REV	45
REV	46
REV	47
REV	48
REV	49
REV	50
REV	51
REV	52
REV	53
REV	54
REV	55
REV	56
REV	57
REV	58
REV	59
REV	60
REV	61
REV	62
REV	63
REV	64
REV	65
REV	66
REV	67
REV	68
REV	69
REV	70
REV	71
REV	72
REV	73
REV	74
REV	75
REV	76
REV	77
REV	78
REV	79
REV	80
REV	81
REV	82
REV	83
REV	84
REV	85
REV	86
REV	87
REV	88
REV	89
REV	90
REV	91
REV	92
REV	93
REV	94
REV	95
REV	96
REV	97
REV	98
REV	99
REV	100