COUNTY OF SAN JOAQUIN

DEPARTMENT OF PUBLIC WORKS
P.0. BOX 1810-1810 E. HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201
(209) 468-3000
FAX # (209) 468-9324

Permit No: **PS-1801851**
Date Issued: 05/21/2018
Start Date: 06/04/2018
Exp. Date: 08/24/2018
Project No: PWP730052
Quad: NE

UE/CR/PM NO:8400280

ENCROACHMENT PERMIT

To: PACIFIC GAS & ELECTRIC - SAN RAMON
6121 BOLLINGER CANYON ROAD
SAN RAMON, CA 94583

Encroachment Type:

Location:
ACAMPO RD; LIBERTY RD; BUENA VISTA RD

In compliance with your request of **05/21/2018** , 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:

FORMS:

SS/WW, R-29		

Est. Permit Fee: $531.60

KRIS BALAJI, Director
Department of Public Works

By: _____
Permit Section

WHITE	-Permittee
GOLDENROD	-PWD Central File
YELLOW	-Field Inspection
PINK	-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 3/30/18

To: San Joaquin County
Department of Public Works

PGE / Nicole Merritt
(Applicant Name)

6121 Bollinger Canyon Rd
(Mailing Address)

San Ramon, CA. 94583
(City, State, Zip Code)

925-244-3815
(Area Code - Telephone Number)

OFFICE USE ONLY

JOB # 730052 REF #
APN CR #
EXP. DATE
VALID 6-4-18 TO 8-24-18 DRIVEWAYS:
STREET Acampo/Buena Vista/Liberty *
AREA Acampo QUAD NE *
TYPE TCP Bellhole Trench *
FORMS SSWR29
NOTES

Sketch (Detailed plans may be submitted)

- Loc B - South side of E Acampo Rd approx. 2,500' West of Clements Rd.
- Loc L - North side of Buena Vista Rd. approx. .8 miles west of Hwy 88
- Loc M - South side of E Liberty Rd. at intersection of Hwy 88

Loc B - 20400 E. Acampo Rd
Loc L - 21941 Buena Vista Rd
Loc M - 21850 Buena Vista Rd

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

Strength test line 197c from mile Points 0.00 to 8.47 with water

Work will commence on or about 6/4/18 - 8/24/18 for approximately 59 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.

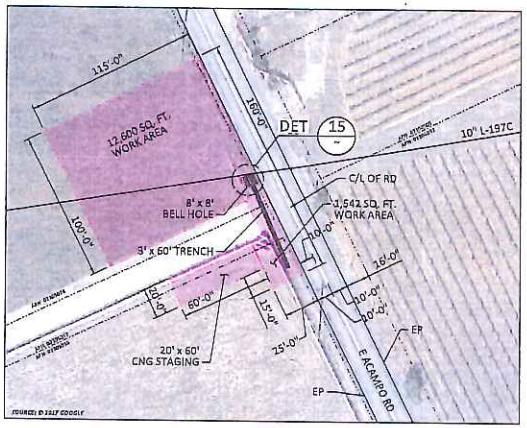
Nicole Merritt - Permit Specialist
Signature of Applicant - Title

3/30/18
Date

JOB #	84002280
BOM ITEM #	149
DESIGN CRITERIA	
CLASS LOCATION	1
DESIGN FACTOR	0.5
FDP 220 PSIG	7.01 %SMYS
MAOP 330 PSIG	1.92 %SMYS
STRENGTH TEST PRESSURE	
MIN 930 PSIG	8.06 %SMYS
MAX 1200 PSIG	11.69 %SMYS
9240	PSIG=90% SMYS
TEST MEDIUM	WATER
PIPE SPEC.	API 5L, GR B, SMLS
OD 1.050" WT	0.154"

LOCATION B

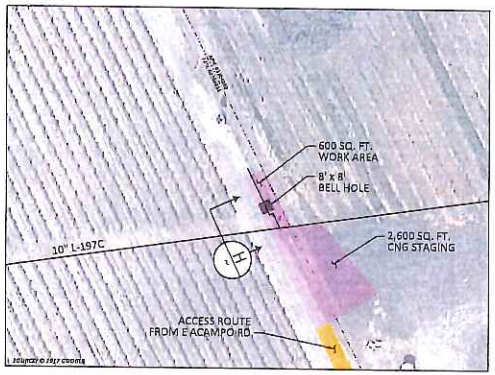
20400 E ACAMPO RD
WALL MAP - 2812; PLAT - J5; BLOCK - N/A; MP - 0.53
(SCALE: 1" = 40')

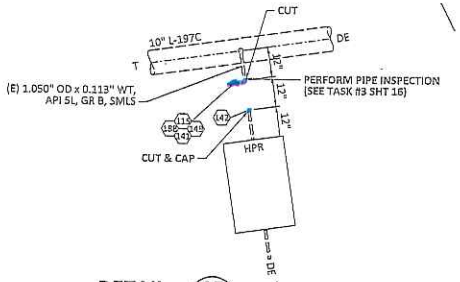


NOTE: TRENCHING SHOWN AT LOCATION B TO BE CHARGED TO DISTRIBUTION ORDER # 30873859

LOCATION C

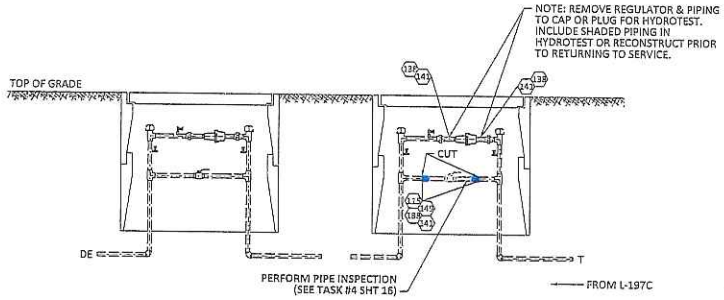
20951 E ACAMPO RD
WALL MAP - 2812; PLAT - I5; BLOCK - N/A; MP - 1.06
(SCALE: 1" = 40')





DETAIL 15 — 3/4" SERVICE ISOLATION
SCALE: 1/2" = 1'-0" — LOCATION B: 20400 E ACAMPO RD

NOTE: EXISTING HPR SHOWN IN LOCATION B TO BE REBUILT & TIED-IN WITH NEW FIRE VALVE UNDER DISTRIBUTION ORDER # 30873859.



ELEVATION H — 3/4" SERVICE ISOLATION
SCALE: NOT TO SCALE — LOCATION C: 20951 E ACAMPO RD

GAS TRANSMISSION ESTIMATING & DESIGN

REGISTERED PROFESSIONAL ENGINEER — DIRK A. AYALA — M37243 — MECHANICAL — STATE OF CALIFORNIA

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811 Know what's Below. Call before you dig.

ZERO IN ON SAFETY

NO.	DATE	DESCRIPTION	PM/SPEC	DWN	CHKD	SUPV	APVD BY
0		ISSUED FOR CONSTRUCTION	84002280				

REVISIONS

APPROVED BY	
PSRG	435BD
SUPV	61F7
DSGN	5DUL
DWN	6DBL
CHKD	MEGA
OK	
DATE	3/28/18
SCALES	AS SHOWN

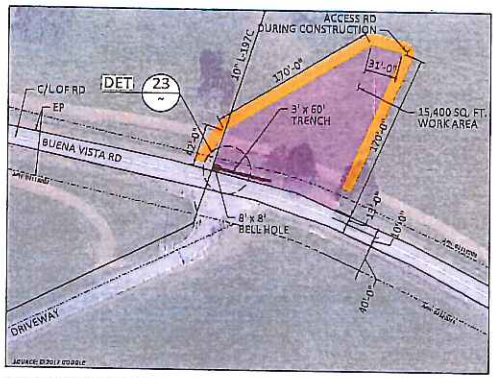
PIPELINE - DETAILS
L- 197C MP 0.00 - 8.47
STRENGTH TEST 10" PIPE
CLEMENTS, CA

GAS TRANSMISSION & DISTRIBUTION
PACIFIC GAS AND ELECTRIC COMPANY
SAN FRANCISCO, CALIFORNIA

BILL OF MATL	SHEET 17
DWG LIST	SHEET 2
TRACING NUMBER	T-1253
SHEET NO. 9 OF 17 SHEETS	
84002280	0

LOCATION L

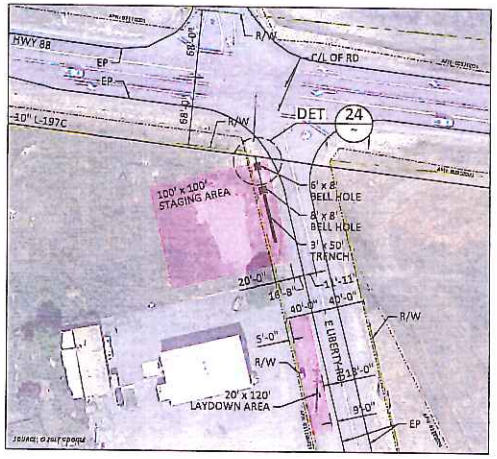
21941 BUENA VISTA RD
WALL MAP - 2812; PLAT - E7; BLOCK - N/A; MP - 4.18
(SCALE: 1" = 60')



NOTE: TRENCHING SHOWN AT LOCATION L TO BE CHARGED TO DISTRIBUTION ORDER #30873859

LOCATION M

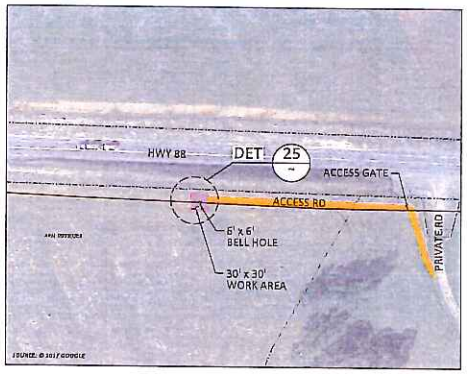
21850 BUENA VISTA RD
WALL MAP - 2812; PLAT - C7; BLOCK - I; MP - 5.12
(SCALE: 1" = 60')



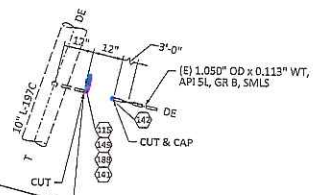
NOTE: TRENCHING SHOWN AT LOCATION M TO BE CHARGED TO DISTRIBUTION ORDER #30873859

LOCATION V

LAT: 38.251867 LONG: -121.040295
WALL MAP - 2812; PLAT - B8; BLOCK - N/A; MP - 6.34
(SCALE: 1" = 100')

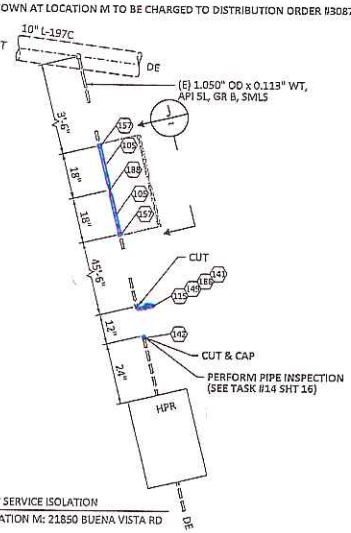


JOB #	84002280
BOM ITEM #	105
DESIGN CRITERIA	
CLASS LOCATION	1
DESIGN FACTOR	0.5
FDP 720 PSIG	7.01 %SMYS
MAOP 900 PSIG	2.93 %SMYS
STRENGTH TEST PRESSURE	
MIN 930 PSIG	9.06 %SMYS
MAX 1200 PSIG	11.69 %SMYS
8260	PSIG=90% SMYS
TEST MEDIUM	WATER
PIPE SPEC	API 5L, GR B, SMLS
OD 1.050" WT	0.154"



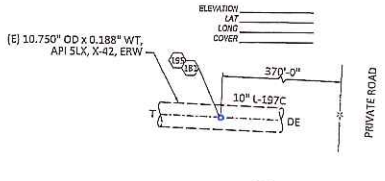
DETAIL 23 — 3/4" SERVICE ISOLATION
SCALE: 1/2" = 1'-0" — LOCATION L: 21941 BUENA VISTA RD

NOTE: REG SET AT LOCATION L TO BE REBUILT & TIED-IN WITH NEW FIRE VALVE UNDER DISTRIBUTION ORDER #30873859

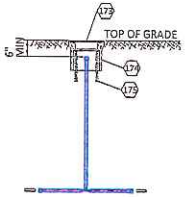


DETAIL 24 — 3/4" SERVICE ISOLATION
SCALE: 1/2" = 1'-0" — LOCATION M: 21850 BUENA VISTA RD

NOTE: HPR SHOWN AT LOCATION M TO BE REBUILT & TIED-IN UNDER DISTRIBUTION ORDER #30873859



DETAIL 25 — HIGH POINT VENT
SCALE: 1/2" = 1'-0" — LOCATION V: MP 6.34



ELEVATION J — 3/4" VALVE INSTALLATION
SCALE: 1/2" = 1'-0"

HEADER PIPE SPECS (PRE-1972)
HEADER SIZE: 10.750" WALL THICKNESS: 0.188"
PIPE SPECS: API 5LX, X-42, ERW
PRESENT MAOP: 300 PSIG
% SMYS @ MAOP: 20.42%
INSTALL #: 161277 YEAR: 1965
HISTORICAL RESULTS, CONTAINS ASBESTOS? ☐YES ☐NO ☒UNKNOWN
PRE-1972 AND UNKNOWN SAMPLE IS REQUIRED
MAXIMUM ALLOWABLE PRESSURE DURING WELDING (GS&S D-22)
EVALUATE THE FOLLOWING OPERATING PRESSURE LIMITATIONS TO DETERMINE THE MAXIMUM OPERATING PRESSURE PERMITTED DURING WELDING.
A) (300 PSIG) 50% OF THE MAOP WHEN WELDING ON BODY OF THE PIPE. UNLESS,
B) (233 PSIG) 77% OF THE MAOP WHEN WELDING WITHIN 3".
OF THE LONGITUDINAL SEAM (EXCEPT DRAW PIPE), THE CIRCUMFERENTIAL SEAM OF A WELDED FITTING, OR WITHIN 3" OF ANY DEFECT (SUCH AS CRACKS, LAMINATIONS, ETC.) IN THE PIPE WHICH EXCEEDS 1/3 OF THE NOMINAL WALL THICKNESS IN DEPTH AND/OR 1/4 OF THE NOMINAL PIPE DIAMETER IN LENGTH.

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ZERO IN ON SAFETY

NO.	DATE	DESCRIPTION	PM/SPEC	DWN	CHKD	SUPV	APVD BY
0		ISSUED FOR CONSTRUCTION	84002280				

REVISIONS

APPROVED BY	
PGAS	43580
SUPV	KJF7
DSGN	KDBL
DWN	KDBL
CHKD	MDSR
CK	
DATE	3/23/18
SCALE	AS SHOWN

PIPELINE - DETAILS
L-197C MP 0.00 - 8.47
STRENGTH TEST 10" PIPE
CLEMENTS, CA

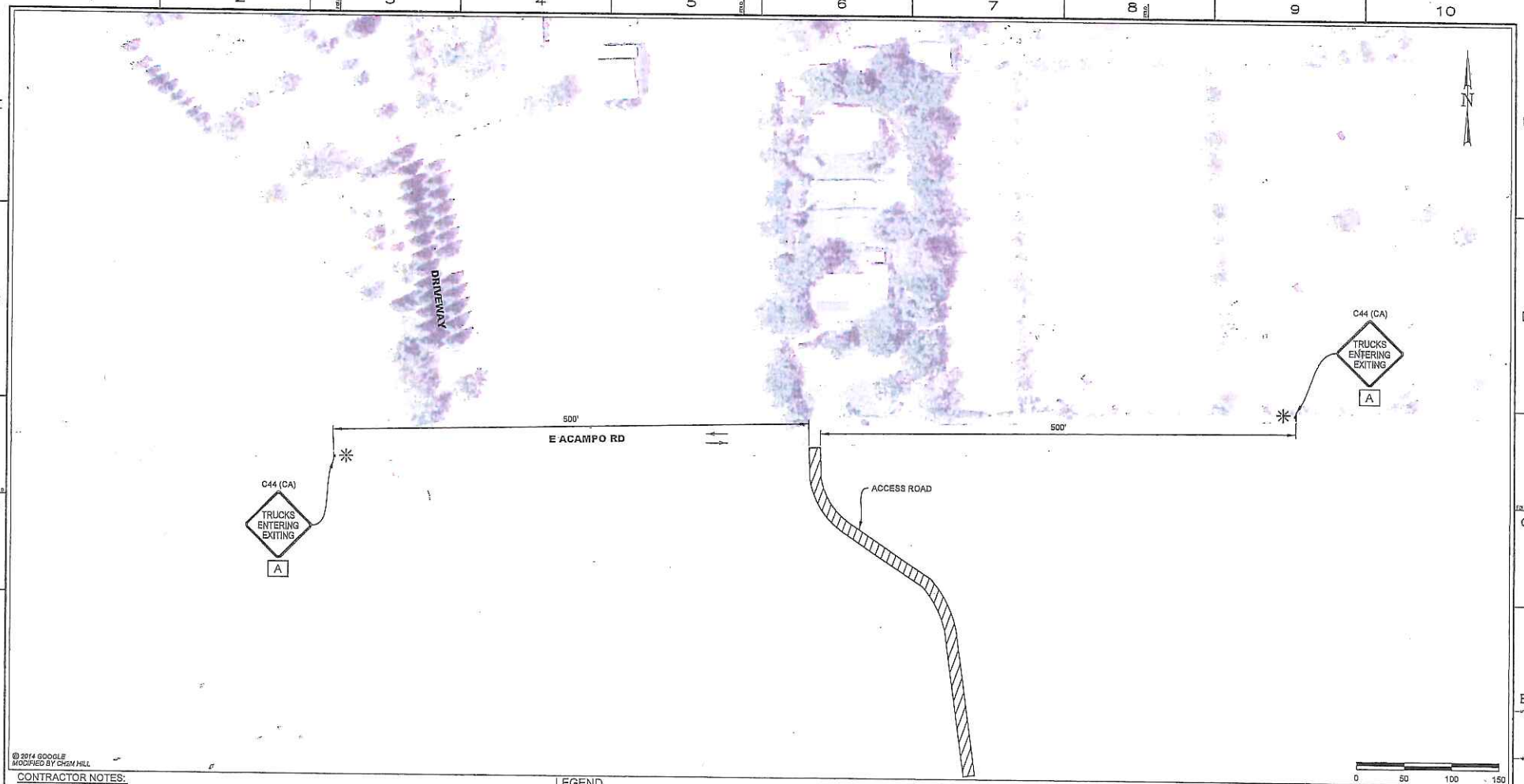
GAS TRANSMISSION & DISTRIBUTION
PACIFIC GAS AND ELECTRIC COMPANY
SAN FRANCISCO, CALIFORNIA

GAS TRANSMISSION ESTIMATING & DESIGN

REGISTERED PROFESSIONAL ENGINEER — MARK A. AYALA — M37243 — MECHANICAL — STATE OF CALIFORNIA

BILL OF MATL	SHEET 17
DWG LIST	SHEET 2
TRACKING NUMBER	T-1253
SHEET NO. 14 OF 37 SHEETS	

84002280 | 0



CONTRACTOR NOTES:

1. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND CALTRANS STANDARD PLANS AND SPECIFICATIONS.
2. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE TO EXISTING IMPROVEMENTS RESULTING FROM THE CONTRACTOR'S OPERATION. THIS REPAIR SHALL INCLUDE ALL CONSTRUCTION AND MATERIALS TO RESTORE THE SITE TO EXISTING CONDITIONS.
3. EACH ADVANCED WARNING SIGN ON EACH SIDE OF THE ROADWAY SHALL BE EQUIPPED WITH AT LEAST TWO FLAGS. FLASHING BEACONS SHALL BE PLACED AT THE LOCATION INDICATED FOR LANE CLOSURE DURING HOURS OF DARKNESS.
4. ALL WORKERS SHALL BE EQUIPPED WITH A CLASS III REFLECTIVE VEST AND HARD HAT. ALL FLAGGERS SHALL ALSO BE EQUIPPED WITH A C28 "STOP/SLOW" PADDLE AND SHALL BE TRAINED IN THE PROPER FUNDAMENTALS OF FLAGGING TRAFFIC.
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. Y&C TRANSPORTATION CONSULTANTS, INC. ASSUMES NO LIABILITY WHEN CONTRACTOR DOES OWN SET UP OR MAKES CHANGES TO THE ORIGINAL TRAFFIC CONTROL PLAN.
8. COUNTY ENGINEER OR HIS REPRESENTATIVE HAS THE AUTHORITY TO INITIATE FIELD CHANGES TO ASSURE PUBLIC SAFETY.
9. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL PLAN CONSTRUCTION AREAS WHICH ARE NOT COVERED BY THESE TRAFFIC CONTROL PLANS.
10. PLANS ARE ACCURATE FOR TRAFFIC CONTROL WORK ONLY. PIPE LOCATION IS APPROXIMATE AND FOR REFERENCE ONLY.
11. CONTRACTOR SHALL CONSULT WITH SAN JOAQUIN COUNTY REGARDING ALLOWABLE WORK HOURS PRIOR TO BEGINNING OF WORK.
12. 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.
13. CONTRACTOR SHALL PLATE EXCAVATED AREA DURING NON-WORKING HOURS.

LEGEND

- = TEMPORARY SIGN POST
- = TRAFFIC FLOW DIRECTION
- = PORTABLE FLASHING BEACON

SIGN PANEL SIZE

A 48" X 48"

NO.	DATE	DESCRIPTION	CH/SPEC	DWN	CHKD	SUPV	APVD BY
0	03/20/18	ISSUED FOR PERMIT	———	JG	JG	EC	

REVISIONS

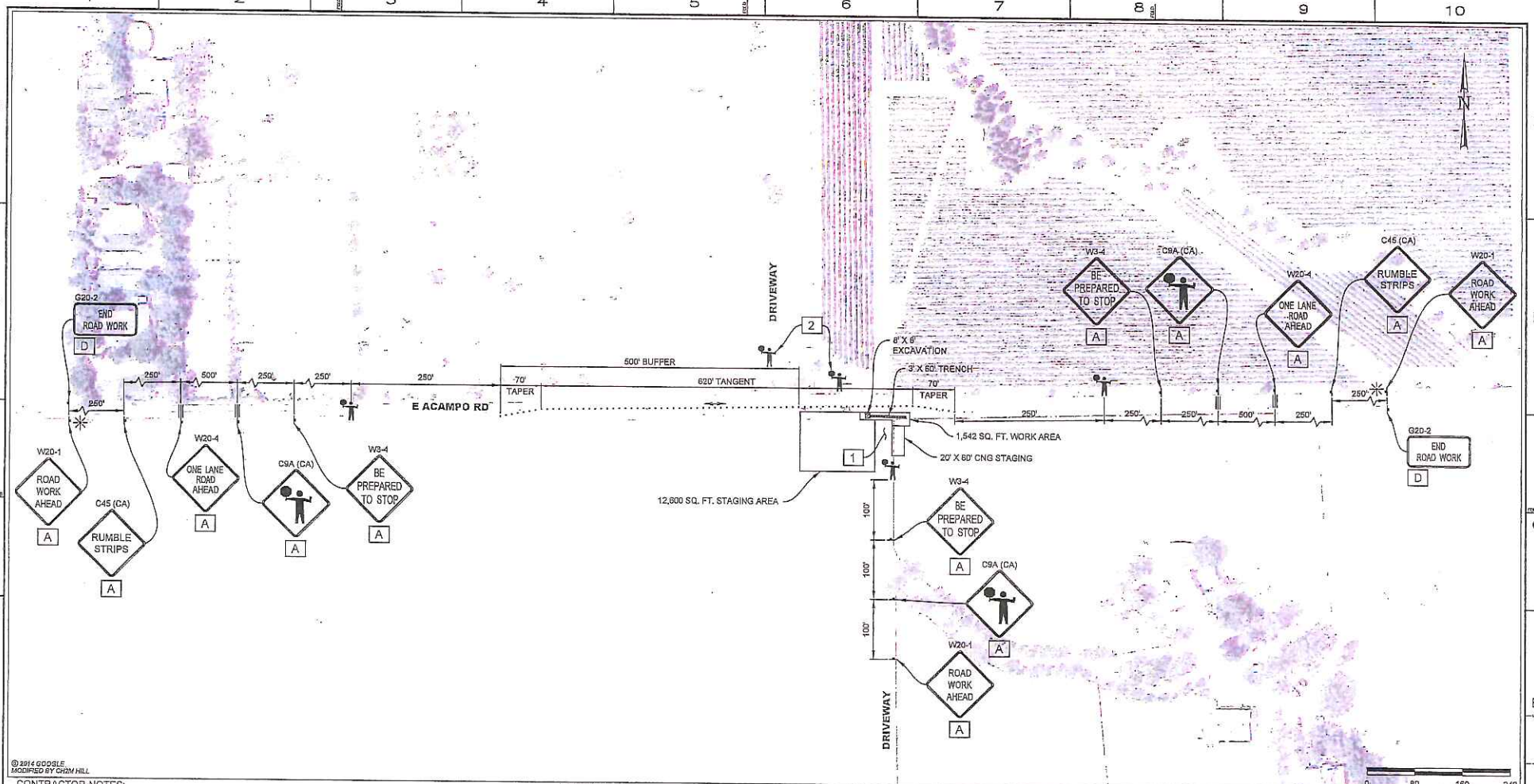
APPROVED BY: CH; SUPV; DSGN JG; DWN JG; CHKD JG; JG; BK EC; EC; DATE 03/20/18; SCALES AS SHOWN

T-1253 (LOCATION A)
TRAFFIC CONTROL
CLEMENTS, CALIFORNIA
SAN JOAQUIN COUNTY, CALIFORNIA

PACIFIC GAS AND ELECTRIC COMPANY
SAN RAMON, CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — ERIC GOTO CASTRO — No. 81270 — CIVIL — STATE OF CALIFORNIA — 03/20/18

MICROFILM
BILL OF MATL
DWG LIST
SUPSDS
SUPSD BY
SHEET NO. 1 OF 9 SHEETS
0



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MODIFIED BY CH2M HILL

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3. EACH ADVANCED WARNING SIGN ON EACH SIDE OF THE ROADWAY SHALL BE EQUIPPED WITH AT LEAST TWO FLAGS. FLASHING BEACONS SHALL BE PLACED AT THE LOCATION INDICATED FOR LANE CLOSURE DURING HOURS OF DARKNESS.
4. ALL WORKERS SHALL BE EQUIPPED WITH A CLASS III REFLECTIVE VEST AND HARD HAT. ALL FLAGGERS SHALL ALSO BE EQUIPPED WITH A C26 "STOP/SLOW" PADDLE AND SHALL BE TRAINED IN THE PROPER FUNDAMENTALS OF FLAGGING TRAFFIC.
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. Y&G TRANSPORTATION CONSULTANTS, INC. ASSUMES NO LIABILITY WHEN CONTRACTOR DOES OWN SET UP OR MAKES CHANGES TO THE ORIGINAL TRAFFIC CONTROL PLAN.
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LEGEND

- = TEMPORARY SIGN POST
- = TRAFFIC FLOW DIRECTION
- = CHANNELIZER (SPACING PER TABLE 1 ON CALTRANS SP T9)
- = PORTABLE FLASHING BEACON
- = RUMBLE STRIP (SEE SHEET T13 ON CALTRANS SP)

PROJECT NOTES

1. CONTRACTOR SHALL PLATE EXCAVATION AND ALLOW IN/OUT ACCESS AT ALL TIMES DURING CONSTRUCTION.
2. PROVIDE ADDITIONAL FLAGGER AS NECESSARY.

SIGN PANEL SIZE

A 48" X 48"
D 48" X 24"

NO.	DATE	DESCRIPTION	CH/SPEC	DWN	CHKD	SUPV	APVD BY
1	03/20/18	REVISED FOR PERMIT – WORK AREA & EXCAVATION		JG	JG	EC	
0	12/01/17	ISSUED FOR PERMIT		JG	JG	EC	

REVISIONS

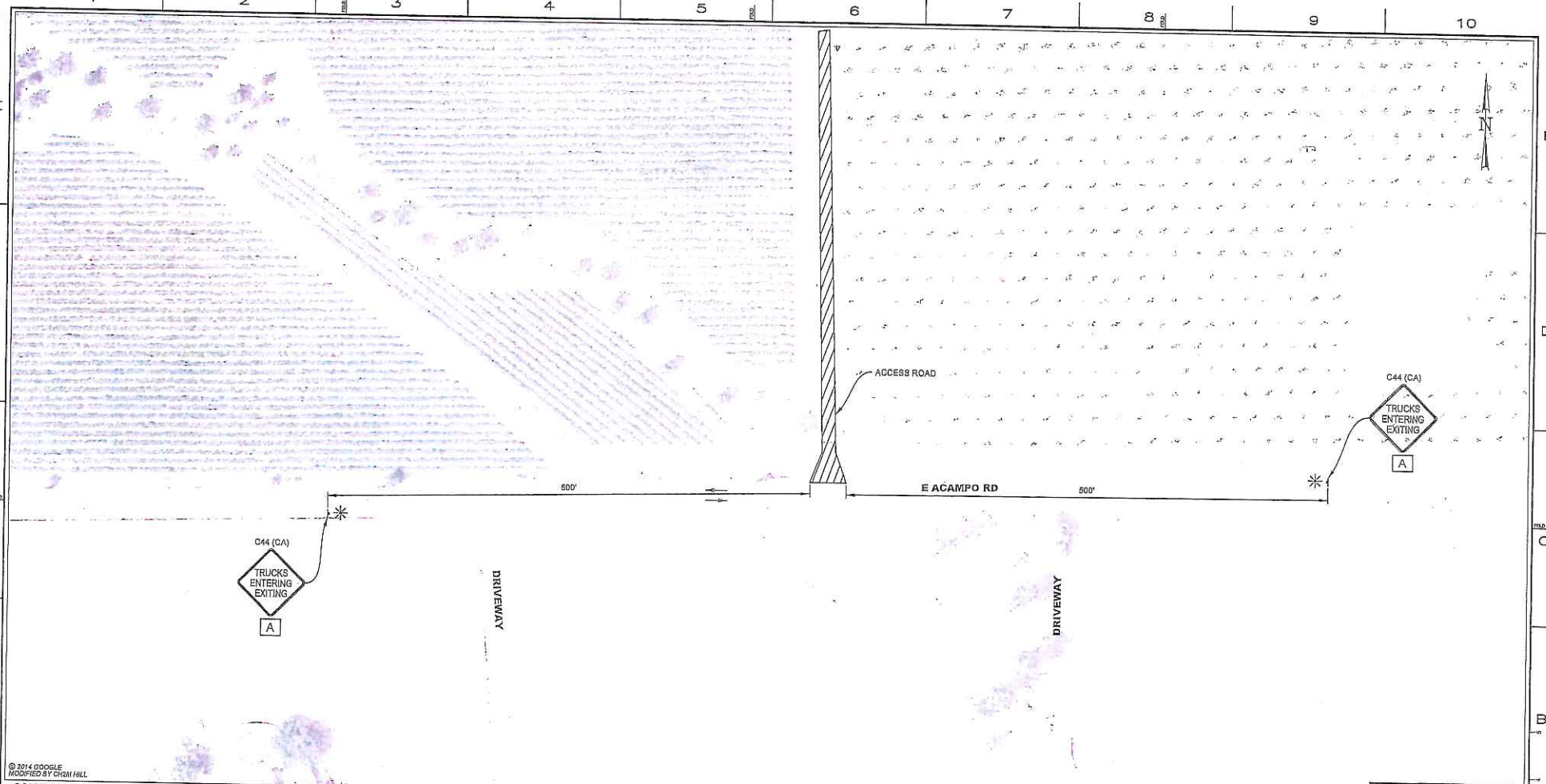
APPROVED BY: EC
GM
SUPV
DSGN JG
DWN JG
CHKD JG
QK EC
DATE 03/20/18
SCALES AS SHOWN

T-1253 (LOCATION B)
TRAFFIC CONTROL
CLEMENTS, CALIFORNIA
SAN JOAQUIN COUNTY, CALIFORNIA

PACIFIC GAS AND ELECTRIC COMPANY
SAN RAMON, CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
EDUARDO CASAS
No. 81211
CIVIL
STATE OF CALIFORNIA
03/20/18

MICROFILM
BILL OF MATL
DWG LIST
SUPSDS
SUPSD BY
SHEET NO. 2 OF 9
SHEETS 0



CONTRACTOR NOTES:

1. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND CALTRANS STANDARD PLANS AND SPECIFICATIONS.
2. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE TO EXISTING IMPROVEMENTS RESULTING FROM THE CONTRACTOR'S OPERATION. THIS REPAIR SHALL INCLUDE ALL CONSTRUCTION AND MATERIALS TO RESTORE THE SITE TO EXISTING CONDITIONS.
3. EACH ADVANCED WARNING SIGN ON EACH SIDE OF THE ROADWAY SHALL BE EQUIPPED WITH AT LEAST TWO FLAGS. FLASHING BEACONS SHALL BE PLACED AT THE LOCATION INDICATED FOR LANE CLOSURE DURING HOURS OF DARKNESS.
4. ALL WORKERS SHALL BE EQUIPPED WITH A CLASS III REFLECTIVE VEST AND HARD HAT. ALL FLAGGERS SHALL ALSO BE EQUIPPED WITH A C26 "STOP/SLOW" PADDLE AND SHALL BE TRAINED IN THE PROPER FUNDAMENTALS OF FLAGGING TRAFFIC.
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. YSG TRANSPORTATION CONSULTANTS, INC. ASSUMES NO LIABILITY WHEN CONTRACTOR DOES OWN SET UP OR MAKES CHANGES TO THE ORIGINAL TRAFFIC CONTROL PLAN.
8. COUNTY ENGINEER OR HIS REPRESENTATIVE HAS THE AUTHORITY TO INITIATE FIELD CHANGES TO ASSURE PUBLIC SAFETY.
9. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL PLAN CONSTRUCTION AREAS WHICH ARE NOT COVERED BY THESE TRAFFIC CONTROL PLANS.
10. PLANS ARE ACCURATE FOR TRAFFIC CONTROL WORK ONLY. PIPE LOCATION IS APPROXIMATE AND FOR REFERENCE ONLY.
11. CONTRACTOR SHALL CONSULT WITH SAN JOAQUIN COUNTY REGARDING ALLOWABLE WORK HOURS PRIOR TO BEGINNING OF WORK.
12. 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.
13. CONTRACTOR SHALL PLATE EXCAVATED AREA DURING NON-WORKING HOURS.

LEGEND

= TEMPORARY SIGN POST

= TRAFFIC FLOW DIRECTION

= PORTABLE FLASHING BEACON

SIGN PANEL SIZE

A 48" X 48"

NO.	DATE	DESCRIPTION	CH/SPEC	DWN	CHKD	SUPV	APV'D BY
0	03/20/18	ISSUED FOR PERMIT		JC	JG	EC	

REVISIONS

APPROVED BY	
CH	
SUPV	
DSGN	JG
DWN	JC
CHKD	JG
QK	EC
DATE	03/20/18
SCALES	AS SHOWN

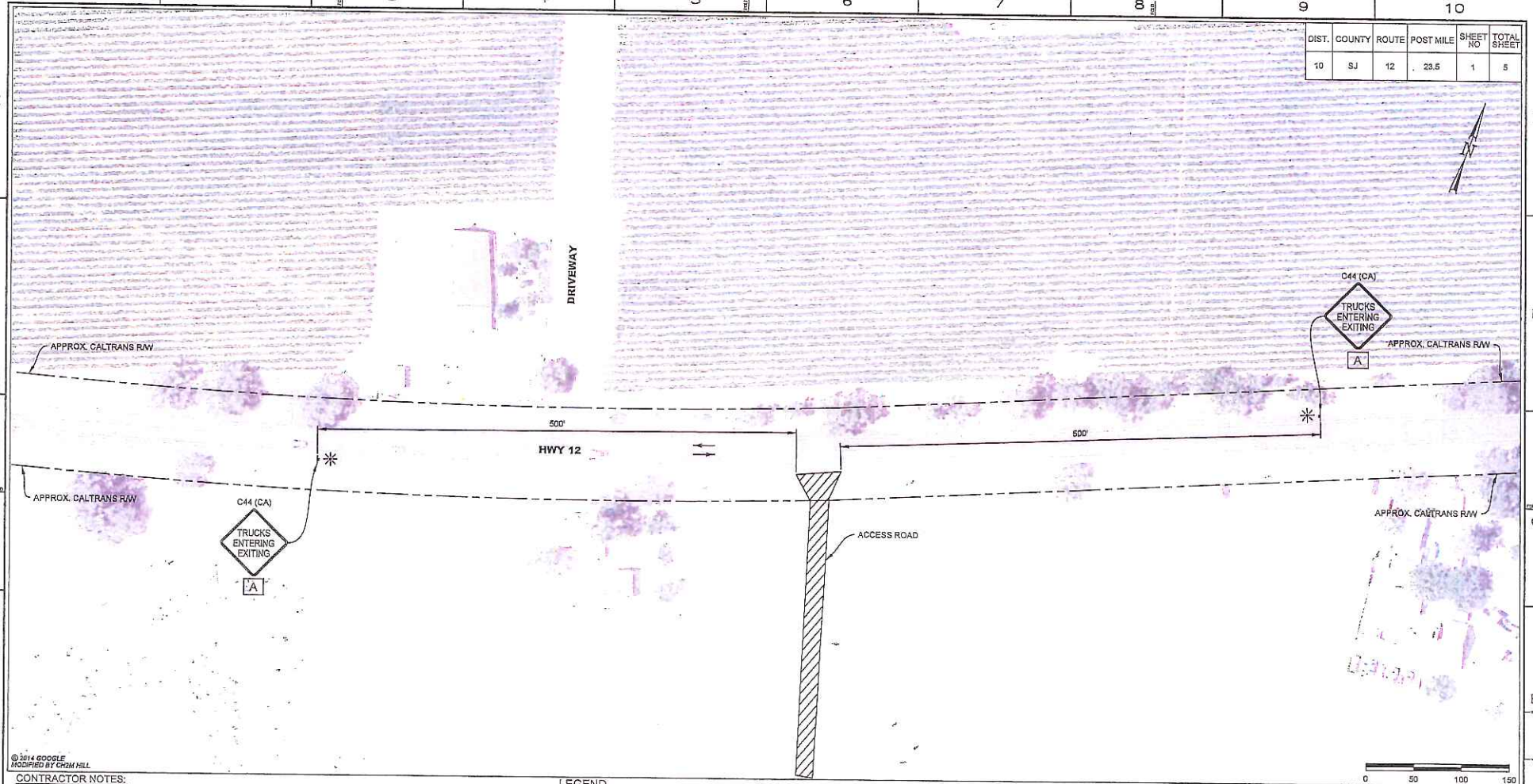
T-1253 (LOCATION C)
TRAFFIC CONTROL
CLEMENTS, CALIFORNIA
SAN JOAQUIN COUNTY, CALIFORNIA

PACIFIC GAS AND ELECTRIC COMPANY
SAN RAMON, CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
ERNESTO CASTAÑAS
No. 82218
03/19
CIVIL
STATE OF CALIFORNIA
03/20/18

MICROFILM	
BILL OF MATL	
DWG LIST	
SUPSDS	
SUPSD BY	
SHEET NO. 3 OF 9	SHEETS 0

DIST.	COUNTY	ROUTE	POST MILE	SHEET NO	TOTAL SHEET
10	SJ	12	23.5	1	5



CONTRACTOR NOTES:

1. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND CALTRANS STANDARD PLANS AND SPECIFICATIONS.
2. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE TO EXISTING IMPROVEMENTS RESULTING FROM THE CONTRACTOR'S OPERATION. THIS REPAIR SHALL INCLUDE ALL CONSTRUCTION AND MATERIALS TO RESTORE THE SITE TO EXISTING CONDITIONS.
3. EACH ADVANCED WARNING SIGN ON EACH SIDE OF THE ROADWAY SHALL BE EQUIPPED WITH AT LEAST TWO FLAGS. FLASHING BEACONS SHALL BE PLACED AT THE LOCATION INDICATED FOR LANE CLOSURE DURING HOURS OF DARKNESS.
4. ALL WORKERS SHALL BE EQUIPPED WITH A CLASS III REFLECTIVE VEST AND HARD HAT. ALL FLAGGERS SHALL ALSO BE EQUIPPED WITH A C28 "STOP/SLOW" PADDLE AND SHALL BE TRAINED IN THE PROPER FUNDAMENTALS OF FLAGGING TRAFFIC.
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. Y&C TRANSPORTATION CONSULTANTS, INC. ASSUMES NO LIABILITY WHEN CONTRACTOR DOES OWN SET UP OR MAKES CHANGES TO THE ORIGINAL TRAFFIC CONTROL PLAN.
8. COUNTY ENGINEER OR HIS REPRESENTATIVE HAS THE AUTHORITY TO INITIATE FIELD CHANGES TO ASSURE PUBLIC SAFETY.
9. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL PLAN CONSTRUCTION AREAS WHICH ARE NOT COVERED BY THESE TRAFFIC CONTROL PLANS.
10. PLANS ARE ACCURATE FOR TRAFFIC CONTROL WORK ONLY. PIPE LOCATION IS APPROXIMATE AND FOR REFERENCE ONLY.
11. CONTRACTOR SHALL CONSULT WITH SAN JOAQUIN COUNTY REGARDING ALLOWABLE WORK HOURS PRIOR TO BEGINNING OF WORK.
12. 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.
13. CONTRACTOR SHALL PLATE EXCAVATED AREA DURING NON-WORKING HOURS.

LEGEND

- = TEMPORARY SIGN POST
- = TRAFFIC FLOW DIRECTION
- = PORTABLE FLASHING BEACON

SIGN PANEL SIZE

A 48" X 48"

NO.	DATE	DESCRIPTION	GM/SPEC	DWN	CHKD	SUPV	APVD BY
0	03/20/18	ISSUED FOR PERMIT		JG	JG	EC	

REVISIONS

APPROVED BY	
GM	
SUPV	
DSGN	JG
DWN	JG
CHKD	JG
OK	EC
DATE	03/20/18
SCALE	AS SHOWN

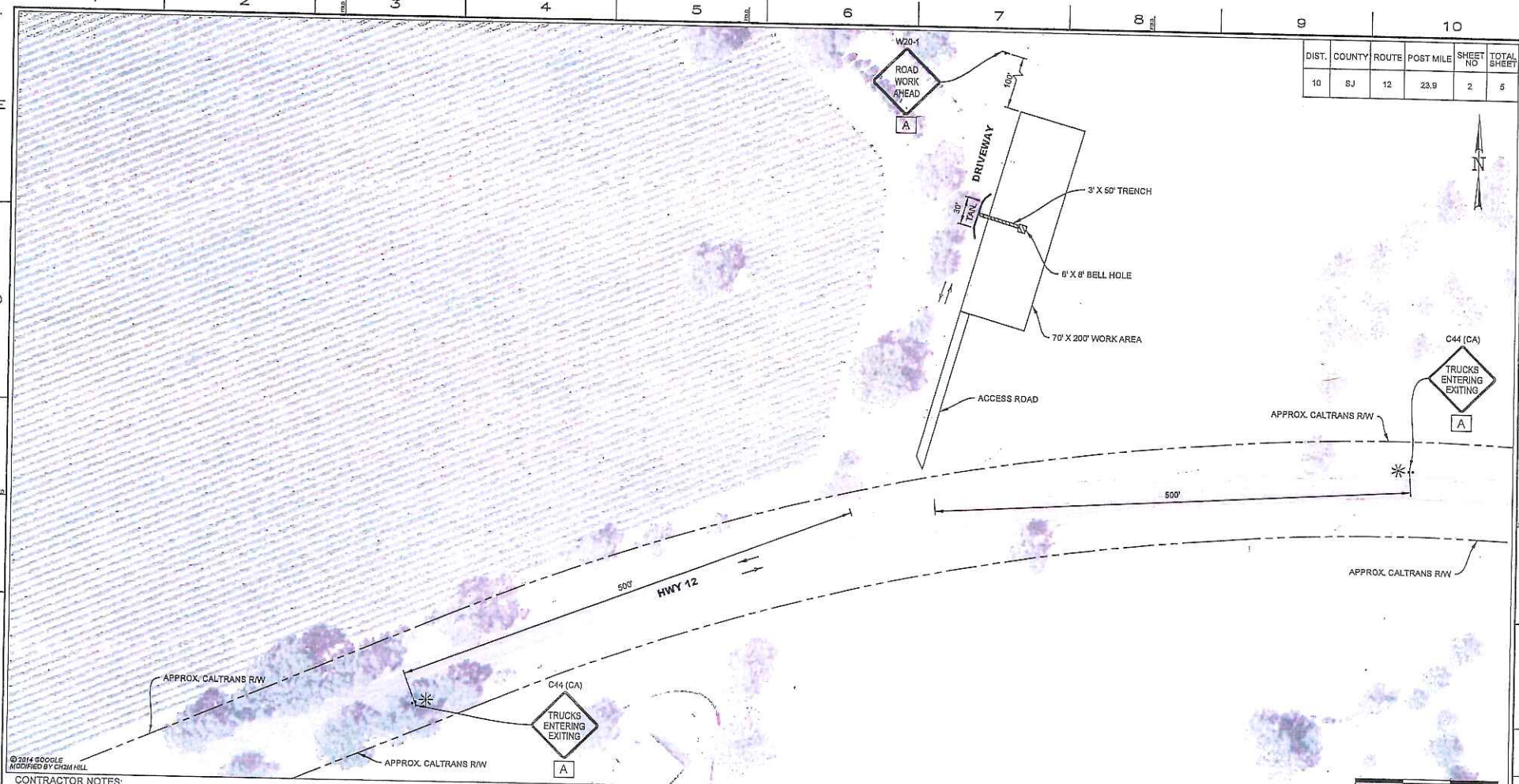
T-1253 (LOCATION D)
TRAFFIC CONTROL
CLEMENTS, CALIFORNIA
SAN JOAQUIN COUNTY, CALIFORNIA

PACIFIC GAS AND ELECTRIC COMPANY
SAN RAMON, CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
ERNESTO CASCIANO
No. 012119
CIVIL
STATE OF CALIFORNIA
03/20/18

MICROFILM	
BILL OF MATL	
DWG LIST	
SUPSDS	
SUPSD BY	
SHEET NO. 4 OF 9	SHEETS 0

DIST.	COUNTY	ROUTE	POST MILE	SHEET NO	TOTAL SHEET
10	SJ	12	23.9	2	5



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MODIFIED BY CH2M HILL

CONTRACTOR NOTES:

1. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND CALTRANS STANDARD PLANS AND SPECIFICATIONS.
2. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE TO EXISTING IMPROVEMENTS RESULTING FROM THE CONTRACTOR'S OPERATION. THIS REPAIR SHALL INCLUDE ALL CONSTRUCTION AND MATERIALS TO RESTORE THE SITE TO EXISTING CONDITIONS.
3. EACH ADVANCED WARNING SIGN ON EACH SIDE OF THE ROADWAY SHALL BE EQUIPPED WITH AT LEAST TWO FLAGS. FLASHING BEACONS SHALL BE PLACED AT THE LOCATION INDICATED FOR LANE CLOSURE DURING HOURS OF DARKNESS.
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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. Y&C TRANSPORTATION CONSULTANTS, INC. ASSUMES NO LIABILITY WHEN CONTRACTOR DOES OWN SET UP OR MAKES CHANGES TO THE ORIGINAL TRAFFIC CONTROL PLAN.
8. COUNTY/STATE ENGINEER OR HIS REPRESENTATIVE HAS THE AUTHORITY TO INITIATE FIELD CHANGES TO ASSURE PUBLIC SAFETY.
9. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL PLAN CONSTRUCTION AREAS WHICH ARE NOT COVERED BY THESE TRAFFIC CONTROL PLANS.
10. PLANS ARE ACCURATE FOR TRAFFIC CONTROL WORK ONLY. PIPE LOCATION IS APPROXIMATE AND FOR REFERENCE ONLY.
11. CONTRACTOR SHALL CONSULT WITH SAN JOAQUIN COUNTY REGARDING ALLOWABLE WORK HOURS PRIOR TO BEGINNING OF WORK.
12. 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.
13. CONTRACTOR SHALL PLATE EXCAVATED AREA DURING NON-WORKING HOURS.

LEGEND

- = TEMPORARY SIGN POST
- = TRAFFIC FLOW DIRECTION
- = CHANNELIZER (SPACING PER TABLE 1 ON CALTRANS SP T9)
- = PORTABLE FLASHING BEACON
- = PLASTIC WATER-FILLED BARRIER (NCHRP 350 TL-2)

SIGN PANEL SIZE

A 48" X 48"

NO.	DATE	DESCRIPTION	GM/SPEC	DWN	CHKD	SUPV	APVD BY
1	03/29/18	REVISED FOR PERMIT – WORK AREA & EXCAVATION		JC	JG	EC	
0	12/01/17	ISSUED FOR PERMIT		JC	JG	EC	

REVISIONS

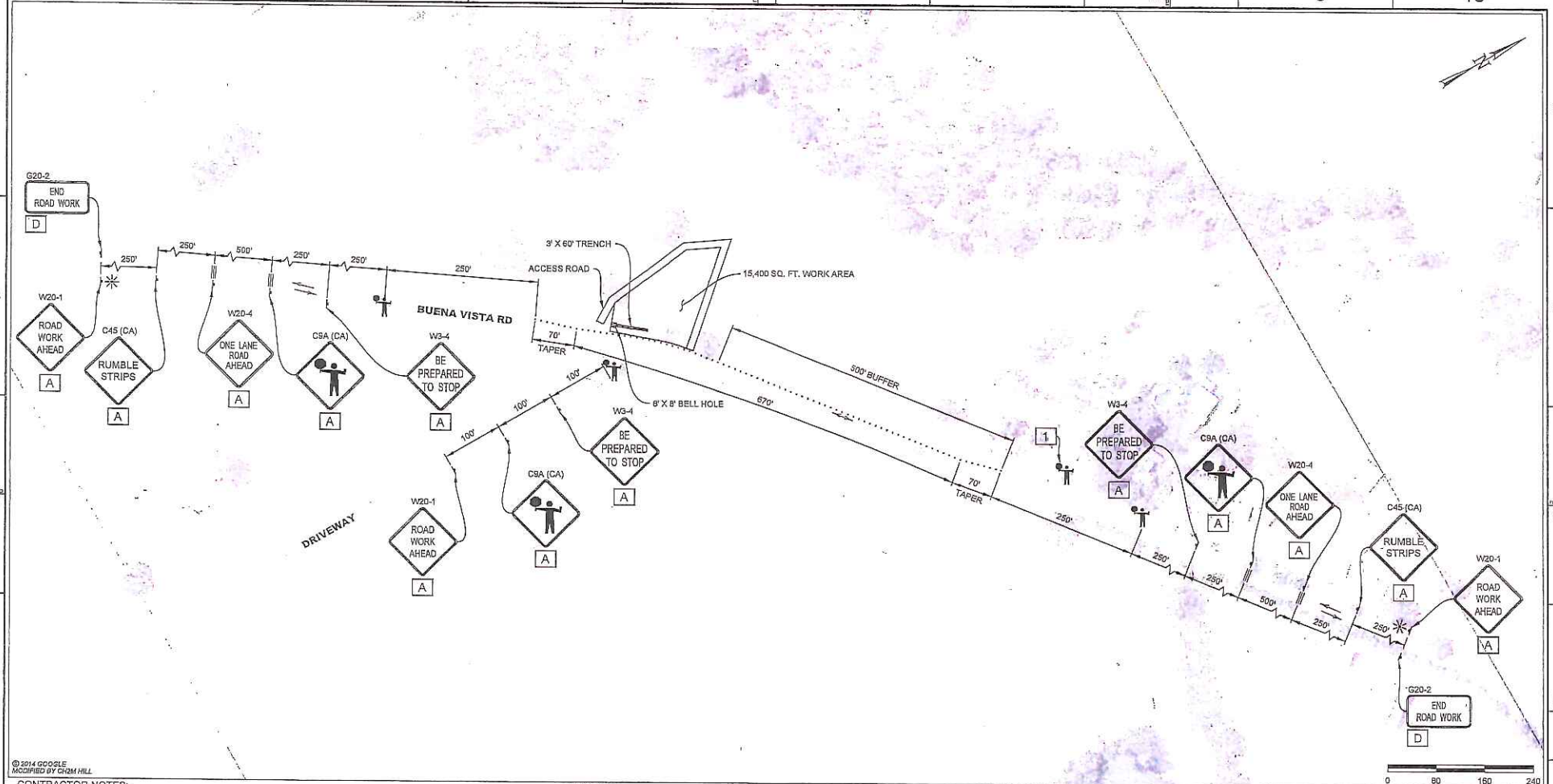
APPROVED BY: GM; SUPV; DSGN JG; DWN JC; CHKD JG; DK JG; DATE 03/29/18; SCALES AS SHOWN

T-1253 (LOCATION E)
TRAFFIC CONTROL
CLEMENTS, CALIFORNIA
SAN JOAQUIN COUNTY, CALIFORNIA

PACIFIC GAS AND ELECTRIC COMPANY
SAN RAMON, CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — ROBERTO CASCIOLI — No. 61210 — CIVIL — STATE OF CALIFORNIA — 03/30/18

MICROFILM
BILL OF MATL
DWG LIST
SUPSDS
SUPSD BY
SHEET NO. 5 OF 9 SHEETS
0



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MODIFIED BY CH2M HILL

CONTRACTOR NOTES:

1. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND CALTRANS STANDARD PLANS AND SPECIFICATIONS.
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3. EACH ADVANCED WARNING SIGN ON EACH SIDE OF THE ROADWAY SHALL BE EQUIPPED WITH AT LEAST TWO FLAGS. FLASHING BEACONS SHALL BE PLACED AT THE LOCATION INDICATED FOR LANE CLOSURE DURING HOURS OF DARKNESS.
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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. Y&C TRANSPORTATION CONSULTANTS, INC. ASSUMES NO LIABILITY WHEN CONTRACTOR DOES OWN SET UP OR MAKES CHANGES TO THE ORIGINAL TRAFFIC CONTROL PLAN.
8. COUNTY ENGINEER OR HIS REPRESENTATIVE HAS THE AUTHORITY TO INITIATE FIELD CHANGES TO ASSURE PUBLIC SAFETY.
9. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL PLAN CONSTRUCTION AREAS WHICH ARE NOT COVERED BY THESE TRAFFIC CONTROL PLANS.
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11. CONTRACTOR SHALL CONSULT WITH SAN JOAQUIN COUNTY REGARDING ALLOWABLE WORK HOURS PRIOR TO BEGINNING OF WORK.
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13. CONTRACTOR SHALL PLATE EXCAVATED AREA DURING NON-WORKING HOURS.

LEGEND

- = TEMPORARY SIGN POST
- = TRAFFIC FLOW DIRECTION
- = CHANNELIZER (SPACING PER TABLE 1 ON CALTRANS SP T9)
- = PORTABLE FLASHING BEACON
- = RUMBLE STRIP (SEE SHEET T13 ON CALTRANS SP)

PROJECT NOTES

1. PROVIDE ADDITIONAL FLAGGER AS NECESSARY.

SIGN PANEL SIZE

A	48" X 48"
D	48" X 24"

REGISTERED PROFESSIONAL ENGINEER
CONSTO CASILAS
No. 81214
CIVIL
STATE OF CALIFORNIA
03/20/18

NO.	DATE	DESCRIPTION	CH/SPEC	DWN	CHKD	SUPV	APVD BY
1	03/20/18	REVISED FOR PERMIT – WORK AREA & EXCAVATION	———	JG	JG	EC	
0	12/21/17	ISSUED FOR PERMIT	———	JG	JG	EC	

REVISIONS

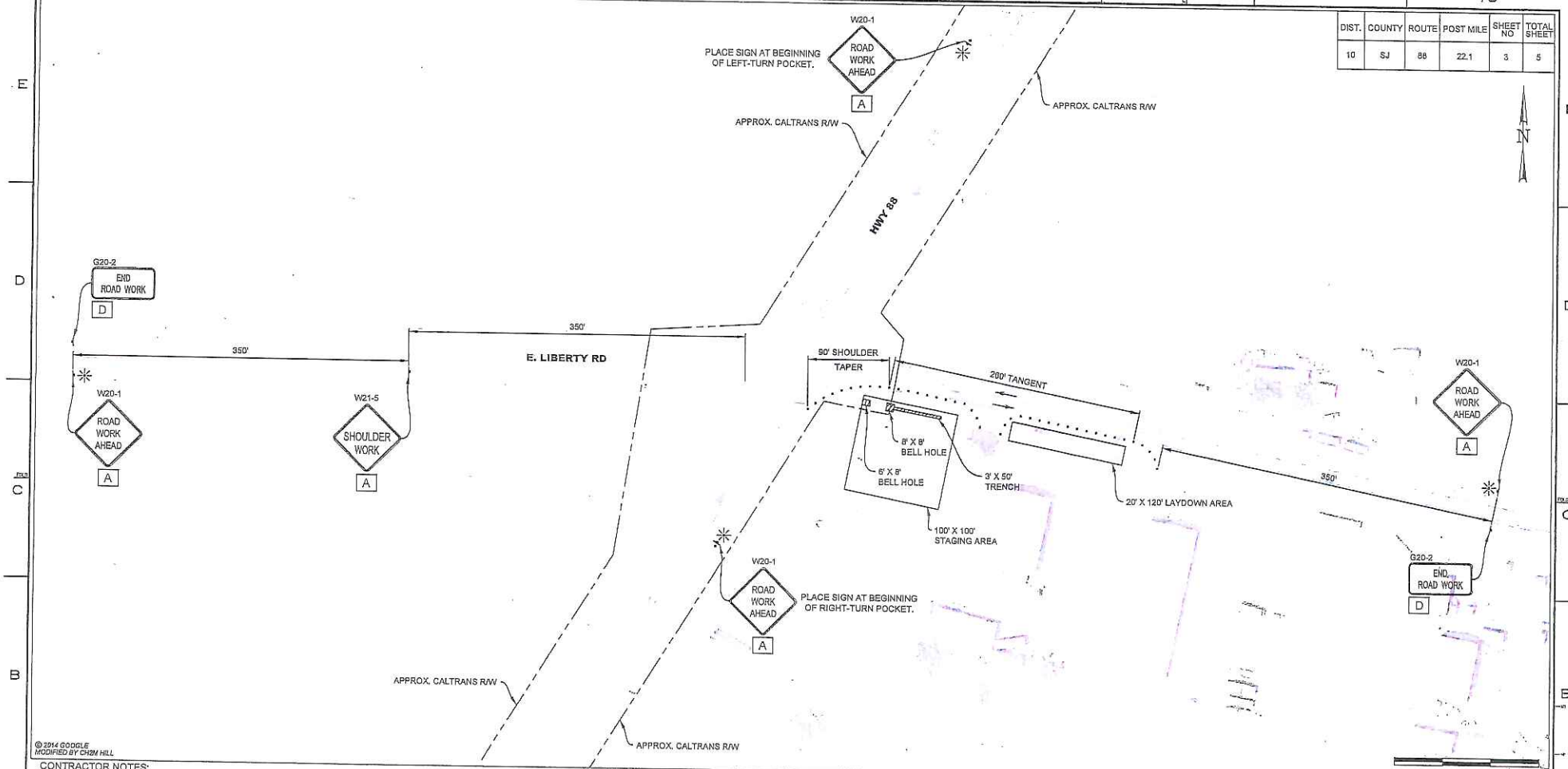
APPROVED BY	CM
	SUPV
JG	DSGN JG
	DWN JG
JG	CHKD JG
	OK EC
EC	DATE 03/20/18
	SCALES AS SHOWN

T-1253 (LOCATION L)
TRAFFIC CONTROL
CLEMENTS, CALIFORNIA
SAN JOAQUIN COUNTY, CALIFORNIA

PACIFIC GAS AND ELECTRIC COMPANY
SAN RAMON, CALIFORNIA

MICROFILM
BILL OF MATL
DWG LIST
SUPSDS
SUPSD BY
SHEET NO. 5 OF 8 SHEETS
0

DIST.	COUNTY	ROUTE	POST MILE	SHEET NO	TOTAL SHEET
10	SJ	88	22.1	3	5



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MODIFIED BY CH2M HILL

CONTRACTOR NOTES:

1. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND CALTRANS STANDARD PLANS AND SPECIFICATIONS.
2. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE TO EXISTING IMPROVEMENTS RESULTING FROM THE CONTRACTOR'S OPERATION. THIS REPAIR SHALL INCLUDE ALL CONSTRUCTION AND MATERIALS TO RESTORE THE SITE TO EXISTING CONDITIONS.
3. EACH ADVANCED WARNING SIGN ON EACH SIDE OF THE ROADWAY SHALL BE EQUIPPED WITH AT LEAST TWO FLAGS. FLASHING BEACONS SHALL BE PLACED AT THE LOCATION INDICATED FOR LANE CLOSURE DURING HOURS OF DARKNESS.
4. ALL WORKERS SHALL BE EQUIPPED WITH A CLASS III REFLECTIVE VEST AND HARD HAT. ALL FLAGGERS SHALL ALSO BE EQUIPPED WITH A C28 "STOP/SLOW" PADDLE AND SHALL BE TRAINED IN THE PROPER FUNDAMENTALS OF FLAGGING TRAFFIC.
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. Y&C TRANSPORTATION CONSULTANTS, INC. ASSUMES NO LIABILITY WHEN CONTRACTOR DOES OWN SET UP OR MAKES CHANGES TO THE ORIGINAL TRAFFIC CONTROL PLAN.
8. COUNTY ENGINEER OR HIS REPRESENTATIVE HAS THE AUTHORITY TO INITIATE FIELD CHANGES TO ASSURE PUBLIC SAFETY.
9. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL PLAN CONSTRUCTION AREAS WHICH ARE NOT COVERED BY THESE TRAFFIC CONTROL PLANS.
10. PLANS ARE ACCURATE FOR TRAFFIC CONTROL WORK ONLY. PIPE LOCATION IS APPROXIMATE AND FOR REFERENCE ONLY.
11. CONTRACTOR SHALL CONSULT WITH SAN JOAQUIN COUNTY REGARDING ALLOWABLE WORK HOURS PRIOR TO BEGINNING OF WORK.
12. 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.
13. CONTRACTOR SHALL PLATE EXCAVATED AREA DURING NON-WORKING HOURS.

LEGEND

- = TEMPORARY SIGN POST
- = TRAFFIC FLOW DIRECTION
- = CHANNELIZER (SPACING PER TABLE 1 ON CALTRANS SP T9)
- = PORTABLE FLASHING BEACON

SIGN PANEL SIZE

A 48" X 48"

D 48" X 24"

NO.	DATE	DESCRIPTION	DW/SPEC	DWN	CHKD	SUPV	APVD BY
1	03/20/18	REVISED FOR PERMIT – WORK AREA & EXCAVATION		JG	JG	EC	
0	12/01/17	ISSUED FOR PERMIT		JG	JG	EC	

REVISIONS

APPROVED BY: GM, SUPV, DSGN JG, DWN JG, CHKD JG, CK JG, DATE 03/20/18, SCALES AS SHOWN

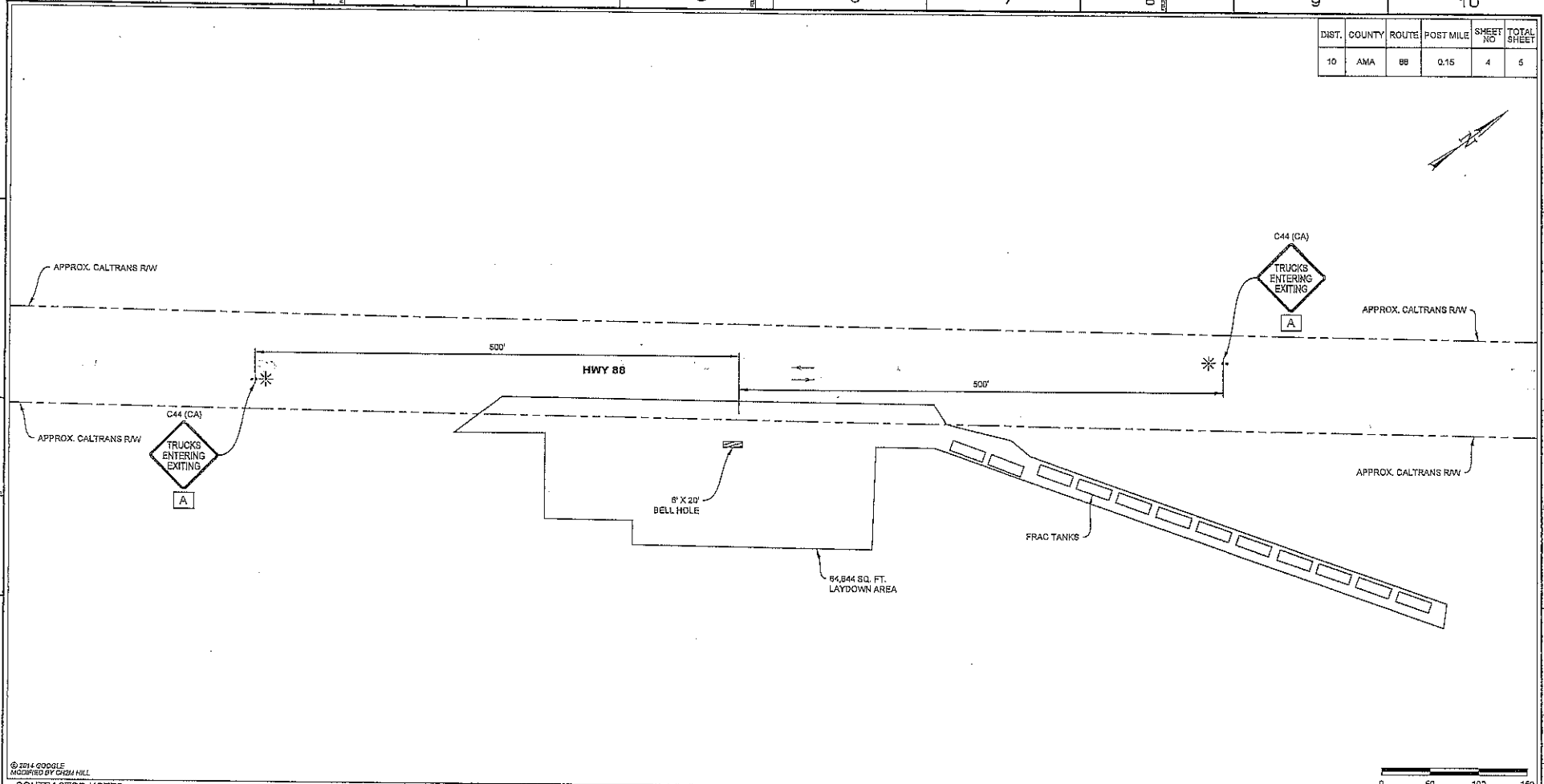
T-1253 (LOCATION M)
TRAFFIC CONTROL
CLEMENTS, CALIFORNIA
SAN JOAQUIN COUNTY, CALIFORNIA

PACIFIC GAS AND ELECTRIC COMPANY
SAN RAMON, CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
EDUARDO CASILLAS
No. 81210
CIVIL
STATE OF CALIFORNIA
03/20/18

MICROFILM
BILL OF MATL
DWG LIST
SUPSDS
SUPSD BY
SHEET NO. 7 OF 9 SHEETS
0

DIST.	COUNTY	ROUTE	POST MILE	SHEET NO	TOTAL SHEET
10	AMA	88	0.15	4	5



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MODIFIED BY CH2M HILL

CONTRACTOR NOTES:

1. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND CALTRANS STANDARD PLANS AND SPECIFICATIONS.
2. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE TO EXISTING IMPROVEMENTS RESULTING FROM THE CONTRACTOR'S OPERATION. THIS REPAIR SHALL INCLUDE ALL CONSTRUCTION AND MATERIALS TO RESTORE THE SITE TO EXISTING CONDITIONS.
3. EACH ADVANCED WARNING SIGN ON EACH SIDE OF THE ROADWAY SHALL BE EQUIPPED WITH AT LEAST TWO FLAGS. FLASHING BEACONS SHALL BE PLACED AT THE LOCATION INDICATED FOR LANE CLOSURE DURING HOURS OF DARKNESS.
4. ALL WORKERS SHALL BE EQUIPPED WITH A CLASS II REFLECTIVE VEST AND HARD HAT. ALL FLAGGERS SHALL ALSO BE EQUIPPED WITH A C28 "STOP/SLOW" PADDLE AND SHALL BE TRAINED IN THE PROPER FUNDAMENTALS OF FLAGGING TRAFFIC.
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. YEC TRANSPORTATION CONSULTANTS, INC. ASSUMES NO LIABILITY WHEN CONTRACTOR DOES OWN SET UP OR MAKES CHANGES TO THE ORIGINAL TRAFFIC CONTROL PLAN.
8. COUNTY/STATE ENGINEER OR HIS REPRESENTATIVE HAS THE AUTHORITY TO INITIATE FIELD CHANGES TO ASSURE PUBLIC SAFETY.
9. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL PLAN CONSTRUCTION AREAS WHICH ARE NOT COVERED BY THESE TRAFFIC CONTROL PLANS.
10. PLANS ARE ACCURATE FOR TRAFFIC CONTROL WORK ONLY. PIPE LOCATION IS APPROXIMATE AND FOR REFERENCE ONLY.
11. CONTRACTOR SHALL CONSULT WITH AMADOR COUNTY AND/OR CALTRANS REGARDING ALLOWABLE WORK HOURS PRIOR TO BEGINNING OF WORK.
12. 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.
13. CONTRACTOR SHALL PLATE EXCAVATED AREA DURING NON-WORKING HOURS.

LEGEND

- = TEMPORARY SIGN POST
- = TRAFFIC FLOW DIRECTION
- = CHANNELIZER (SPACING PER TABLE 1 ON CALTRANS RSP T9)
- = PORTABLE FLASHING BEACON

SIGN PANEL SIZE

A 48" X 48"

NO.	DATE	DESCRIPTION	CH/SPEC	DWN	CHKD	SUPV	APVD BY
1	07/20/18	ISSUED FOR PERMIT		JG	JG	EC	
0	12/01/17	ISSUED FOR PERMIT		JG	JG	EC	

REVISIONS

APPROVED BY	GM
SUPV	
DSGN	JG
DWN	JG
CHKD	JG
QK	EC
DATE	03/20/18
SCALES	AS SHOWN

T-1253 (LOCATION N)
TRAFFIC CONTROL
CLEMENTS, CALIFORNIA
AMADOR COUNTY, CALIFORNIA

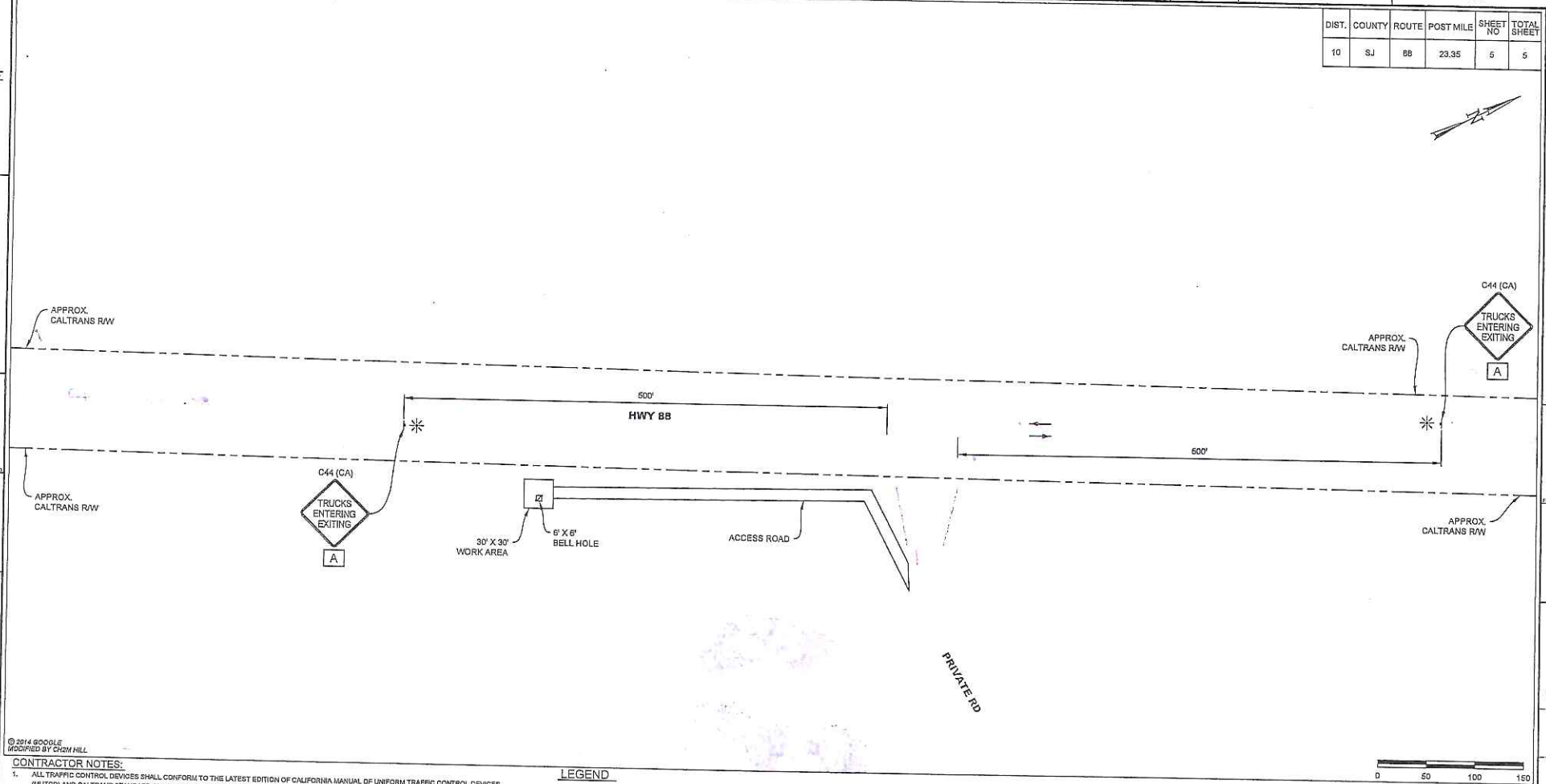
PACIFIC GAS AND ELECTRIC COMPANY
SAN RAMON, CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
ERNESTO CASTILLO
No. 61314
EXP. 06/30/19
CIVIL
STATE OF CALIFORNIA
03/20/18

MICROFILM

BILL OF MATL	
DWG LIST	
SUPSDS	
SUPED BY	
SHEET NO.	8 OF 9
SHEETS	0

DIST.	COUNTY	ROUTE	POST MILE	SHEET NO	TOTAL SHEET
10	SJ	88	23.35	5	5



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MODIFIED BY CH2M HILL

CONTRACTOR NOTES:

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8. COUNTY/STATE ENGINEER OR HIS REPRESENTATIVE HAS THE AUTHORITY TO INITIATE FIELD CHANGES TO ASSURE PUBLIC SAFETY.
9. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL PLAN CONSTRUCTION AREAS WHICH ARE NOT COVERED BY THESE TRAFFIC CONTROL PLANS.
10. PLANS ARE ACCURATE FOR TRAFFIC CONTROL WORK ONLY. PIPE LOCATION IS APPROXIMATE AND FOR REFERENCE ONLY.
11. CONTRACTOR SHALL CONSULT WITH AMADOR COUNTY AND/OR CALTRANS REGARDING ALLOWABLE WORK HOURS PRIOR TO BEGINNING OF WORK.
12. 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.
13. CONTRACTOR SHALL PLATE EXCAVATED AREA DURING NON-WORKING HOURS.

LEGEND

= TEMPORARY SIGN POST

= TRAFFIC FLOW DIRECTION

= PORTABLE FLASHING BEACON

SIGN PANEL SIZE

A 48" X 48"

NO	DATE	DESCRIPTION	GM/SPEC	DWN	CHKD	SUPV	APVD BY
0	03/20/18	ISSUED FOR PERMIT	JG	JG	EC		

REVISIONS

APPROVED BY	
GM	
SUPV	
DSGN	JG
DWN	JG
CHKD	JG
OK	EC
DATE	03/20/18
SCALES	AS SHOWN

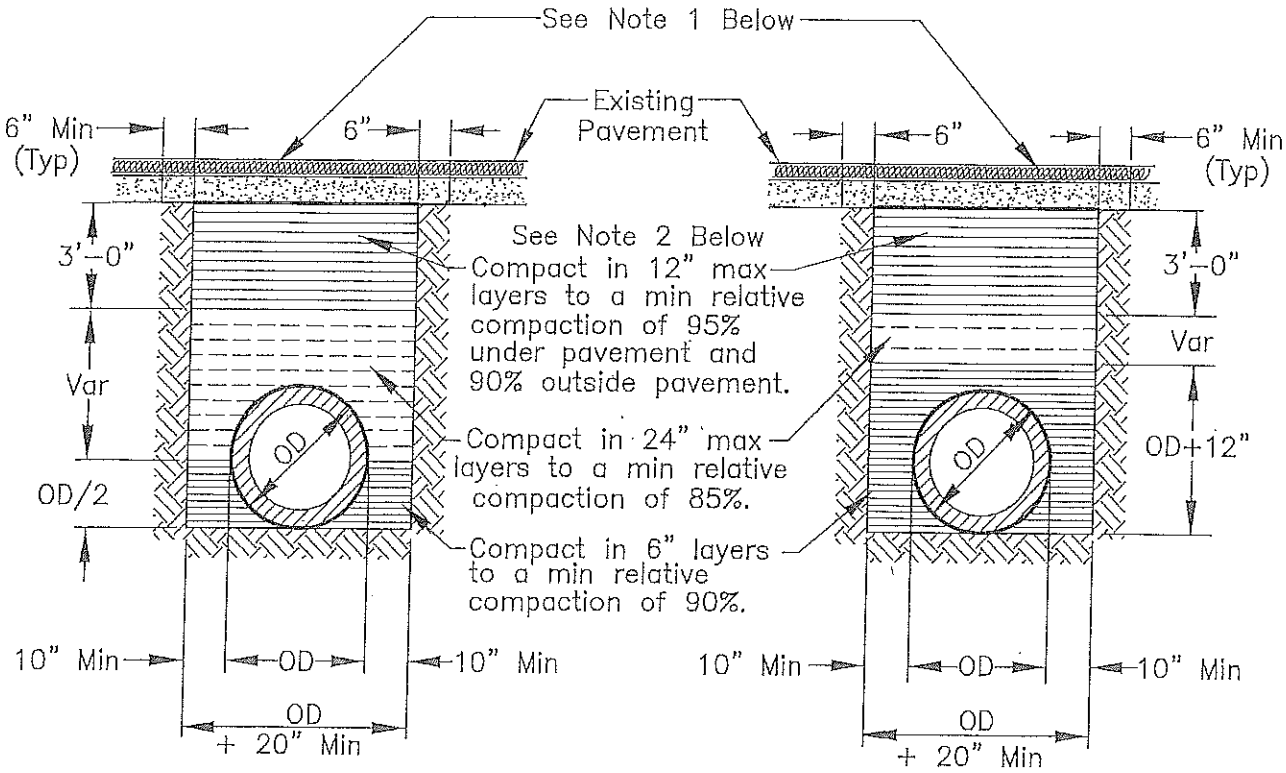
T-1253 (LOCATION V)
TRAFFIC CONTROL
CLEMENTS, CALIFORNIA
SAN JOAQUIN COUNTY, CALIFORNIA

PACIFIC GAS AND ELECTRIC COMPANY
SAN RAMON, CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
EDUARDO CASTILLON
No. 81312
EXP. 12/31/19
CIVIL
STATE OF CALIFORNIA
03/20/18

MICROFILM

DWG LIST
SUPSDS
SUPSD BY
SHEET NO. 0 OF 9 SHEETS
0



RIGID CONDUIT

FLEXIBLE CONDUIT

NOTES:

1. New pavement shall be 1" thicker than existing pavement, minimum of 0.25 Ft. New base shall be 1" thicker than existing base, min of 0.50 Ft.
2. Select native material or imported granular material as approved by the Director of Public Works. Backfill with materials equal to or better than the existing pavement and base in quality.
3. Relative compaction of materials shall be tested in accordance with the State of California, Dept. of Transportation Testing Manuals, test method No. California 216 or 231.
4. All existing pavement shall be neatly cut to line prior to trench excavation.
5. Jetting or ponding will be permitted within the street right-of-way with a 3 year bond, when approved by the Director of Public Works.
6. When shown by soil composition and compactability, ninety percent (90%) compaction may be used, when approved by the Director of Public Works.
7. Special bedding and backfill requirements may be shown on the plans or specified in the special provisions.

Public Works San Joaquin County
Working for YOU

TYPICAL TRENCH BACKFILL

COUNTY OF SAN JOAQUIN
DEPARTMENT OF PUBLIC WORKS

Date: DEC 2014

Approved by: Thomas M. Flow

No.	Revision Description	Date

Std. Dwg. No. **R-29**

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, lampholes, valves, etc. not included. Future surface elevations shall be anticipated as nearly as possible and structure elevations shall be established for future adjustments accordingly.

E. The County hereby reserves the right to specify in the Special Provisions the gage and surface treatment of any galvanized corrugated metal pipe that is to be installed.

F. All longitudinal utility facilities are to be established (and dimensioned on sketches) from surveyed centerline of road right-of-way, not from right-of-way (border) lines.

REPAIRS OF THE COUNTY RIGHT-OF-WAY:

A. All excavations shall be backfilled and compacted immediately after work therein has been completed.

B. Trenched shall not be left open farther than 300 feet in advance of pipe laying operations, or 200 feet to the rear thereof, unless otherwise permitted by the Engineer.

C. Unless otherwise permitted under the Special Provisions, backfill shall be placed and mechanically compacted in such a manner that the relative compaction throughout the entire fill within the County road right-of-way shall conform to the percentages of compaction as shown on the Trench detail.

D. Backfill material shall be placed in horizontal uniform layers not to exceed in thickness, before compaction, 0.67 foot in the bedding region, one-foot where 90% compaction is required, and two-feet where 80% compaction is required.

E. No portion of the excavation(s) shall be compacted by ponding or jetting unless a maintenance bond is provided.

F. Gravel backfill material shall be utilized only where specifically so stated on the face of the permit. It shall be compacted by means of a high-frequency internal vibrator, the compactor to be a size and type approved by the Engineer. Points of compaction shall not be greater than 18" centers and to the full depth of the lift.

G. All pavements, curbs, gutters, sidewalks, borrow ditches, pipes, head walls, road signs, trees, shrubbery, and/or other permanent road facilities impaired by or as a result of construction operations at the construction site(s) occupied by materials and/or equipment, shall be restored immediately upon backfilling of the excavation to the original grades and cross sections, and to a condition as good as, or better than existing prior to construction.

H. All surfacing materials of roadways and driveway approaches cut or damaged by or as a result of construction operations, shall be replaced within ONE WEEK following the backfilling of excavation, weather permitting, with compacted layers of surfacing materials at least as thick as the existing, and no less than two inches (2") of asphalt concrete over six inches (6") of aggregate base, both as specified below.
   1. Asphalt Concrete: Combined mineral aggregate shall conform to the quality and gradation requirements for Type "B" one-half inch(1/2) maximum aggregate, coarse or medium gradation as specified in Section 39 of the California Standard Specifications. The bituminous binder to be mixed with mineral aggregate shall be paving asphalt having (Grade PG 64-10), unless otherwise directed by the Engineer. Placement of asphalt concrete surfacing shall conform to the applicable provisions of Section 39 of the California Standard Specifications.
   2. Aggregate Base: Combined mineral aggregates shall conform to the quality and the grading for three-quarter inch (3/4") maximum size aggregate Class 2 Aggregate Base specified in Section 26 of the California Standard Specifications.

I. Before acceptance of repairs to the County road rights-of-way, all unsightly and detrimental dirt, dust and/or debris shall be removed and the construction areas left in a neat and presentable condition(s).
   1. If necessary, County road traveled way and driveway pavements shall be washed with water to remove dirt and dust.
   2. Driveway approaches and field entrance pavements damaged by equipment or spoil banks shall be repaired as directed by the Engineer.

J. Upon request by the County, any settlement, sagging of surface, or cracking of pavement shall be repaired immediately by and at the sole expense of the Permittee for a period of one year following acceptance of the work.

SPECIAL PROVISIONS

Winter Weather Utility Work

1. SUPERVISION: The utility company (permittee) shall furnish full-time supervision of all work to insure compliance with the permit provision.

2. START OF WORK: No work within the County right-of-way shall be started until the utility company representative has made an evaluation of weather conditions and has determined the work can be accomplished under the provisions of the permit.

3. CLEAN PAVEMENT: Dirt and mud shall not be deposited on the pavement outside the area of work, and if inadvertently tracked onto the road travel way shall be removed immediately.

4. DAILY RESTORATION: Private driveways and road intersections shall be restored daily.

5. WEATHER-TIGHT CONDITIONS: All trenches shall be filled and compacted, ditches and other drainage facilities regarded and opened, and the entire work area restored to weather-tight condition prior to any rain.