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-1301513**
Date Issued: 06/15/2013
Exp. Date: 11/01/2013
Project No: PWP730052
Quad: NS

UE/CR/PM NO:30873887

ENCROACHMENT PERMIT

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

RIDER

Encroachment Type:

Bell Holes	Trench		

Location:
E/S OF MC COMB AVE. AND ROBINDALE AVE. S/O BACON ST.

In compliance with your request of **06/06/2013** , 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.

[redacted] 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. [redacted]

Special Comments:
Traffic Control Per MUTCD*****See Attached "Special Conditions"*****Contractor shall grind and overlay Bacon St. & McComb Ave. intersection, since recently overlayed*****

FORMS:	SS/WW, R-29	Trench Cutting	Policy

Est. Permit Fee: $1,313.00

THOMAS M. GAU, Director
Department of Public Works

By: _____
Permit Section

WHITE -Permitee
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 a11 1aws 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 within the work herein permitted. If any are disturbed, the Permittee is required to tie out each location and re-establish them after completion of work, using a licensed land surveyor. A corner record must be filed in accordance with state law for any re-set monuments.

COUNTY OF SAN JOAQUIN

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STOCKTON, CALIFORNIA 95201
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Permit No: **PS-1301513**
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PO BOX 930
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mittee shall call the Department of Public Works, Field Engineering Division (Permit Inspections) at (209)953-7421 at least forty-eight hours prior to beginning any work within the County right of way. All work performed under this permit shall conform to the rules and regulations pertaining to safety established by the California Division of Industrial Safety and Cal-OSHA.

The jobsite shall be kept in a safe condition at all times by the daily removal of any excess dirt or debris which might be a hazard to either pedestrian or automobile traffic. All necessary traffic convenience and warning devices and personnel shall be provided, placed and maintained by and at the sole expense of the Permittee in accordance with the latest edition of the CALTRANS Manual of Traffic Control.

After completion of the work permitted herein, all debris, lumber, barricades, or any excess material shall be removed and the jobsite left in a neat workmanlike manner. Immediately following completion of construction permitted herein, Permittee shall fill out and mail notice of completion (see attached post card) provided by Grantor.

Special Comments:

Traffic Control Per MUTCD*****See Attached "Special Conditions"*****Contractor shall grind and overlay Bacon St. & McComb Ave. intersection, since recently overlayed*****

FORMS:

SS/WW, R-29	Trench Cutting	Policy

Est. Permit Fee: $1,313.00

THOMAS M. GAU, Director
Department of Public Works

By: _____
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WHITE	-Permitee
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APPLICATION FOR ENCROACHMENT PERMIT

PLEASE PRINT:

Date _____

To: San Joaquin County
Department of Public Works

Pacific Gas and Electric Co.
P.O. Box 930
Stockton, CA 95201

209-942-1498
(Area Code - Telephone Number)

OFFICE USE ONLY

JOB #	730052-6	REF #	
APN		CR #	
EXP. DATE	7/1/13		
VALID	6/1/13 TO 7/1/13	DRIVEWAYS:	
STREET	McComb Ave, & Robindale Ave.		
AREA	Stockton	QUAD	NS
TYPE	Trench		
FORMS	SS/WW, R-29, Trench Cutting Policy		
NOTES			

Sketch (Detailed plans may be submitted)

See attached sketch.
PM 30873887
Notif. 105415175

Traffic Control Plan
Shall be as per
current M.U.T.C.D.
California supplement.

The undersigned hereby applies for permission to excavate, construct and/or otherwise encroach on County Highway Right-of-Way on the E side of McCOMB AVE approximately 922 feet/mile of AND SOUTH SIDE OF ROBINDALE AVE, by performing the following work (description of work):
REPLACING STEEL GAS MAIN WITH PLASTIC MAIN (PG&E WORK)
PLZ SEE ATTACHED DWG

Work will commence on or about 6-1-13 for approximately 14 days.

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

[signature] PG&E SR GAS ESTIMATOR
Signature of Applicant - Title

2/16/13
Date

E:\PUB-SV.WK\MASTER.PS\ENCROACHMENT PERMIT APPLICATION.DOC (01/08)

ENCROACHMENT PERMIT GENERAL PROVISIONS

13-1

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SPECIAL CONDITIONS FOR PG&E - MCCOMB AVE 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. 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 noticing the time period placed at least 48 hours in advance of the work.

5. Existing fences shall not be removed without written consent signed by the property owner and submitted to the County prior to the removal. Fences removed shall be restored with in-kind or better materials at the edge of the right-of-way.

6. No trench cutting of County roads shall occur between November 1 and March 31 without prior authorization by the County.

7. Final paving for trench repair or road resurfacing shall be per Caltrans' specifications and shall not occur between November 1 and March 31, unless authorized by the County.

8. All pavement markings destroyed or obliterated 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.

9. The permittee is responsible for any Survey Monuments disturbed by this project and shall file a corner record to reestablish them using a Licensed Land Surveyor.

10. All pipe and pipeline related facilities including, but not limited to, valves, utility boxes and vaults, and frames and covers shall be maintained by PG&E. PG&E shall be responsible for any and all costs associated with the removal, relocation and/or adjustment of these facilities as determined by the County at PG&E's expense. (Streets and Highways Code 1463)

11. All future maintenance of the pipeline and related facilities within the County right-of-way will require a San Joaquin County Encroachment Permit.

12. Length of open, unbackfilled trench shall be limited to a total maximum length of 250 linear feet during working hours.

13. Trenches shall be maintained in a smooth and even condition to the satisfaction of the County throughout the project limits at all times.

14. All trenches shall be completely backfilled or shored and plated at the end of each workday, and the roadway restored to two-way traffic. If plating is to be used, a trench shoring and plating plan suitable for traffic loadings shall be prepared by a registered civil engineer and submitted for prior approval by the County.

15. The contractor shall use San Joaquin County Standard R-29 when backfilling trenches within the County right-of-way. Where the existing road structural section is below standard, a minimum section of 3 inches of asphalt concrete over 8 inches of aggregate base shall be required.

16. Temporary pavement shall be provided for all trench areas within three days of pavement removal or by Friday of each week, whichever is more restrictive.

17. Final trench paving shall be placed when the length of temporarily surfaced trench exceeds 1,500 linear feet or by segment of road as determined by the County. Final trench paving will also be required to be placed when interruptions or delays of the work exceed two (2) weeks.

18. Roadway areas subject to pavement cuts shall receive a 0.12-foot asphalt concrete overlay from the centerline (or lane line) to the edge of the travelled way. If the pavement is disturbed on both sides of the centerline (or adjacent lane), then the entire roadway (or affected lanes) shall be resurfaced. All pavement conforms shall be ground to provide a flush surface. (See Trench Cutting Policy attached). Contractor shall grind and overlay within 10-working days of permanent trench paving. Shoulder areas shall be brought up to the finish grade as directed by the County.

19. No paving joints allowed within paved shoulder, contractor shall pave all the way to outer edge of paved shoulder.

20. Contractor shall establish existing roadway and drainage grades within the construction area. Any repair to roadways and adjacent areas shall match existing grades. Any proposed grade changes shall receive prior approval from County.

21. Shoulder backing shall be backed with Class II Aggregate Base from edge of pavement a minimum of 4-inches thick by 4-foot wide.

22. School buses shall be passed through the work zone with minimal delays.

23. Above ground ARV boxes and other similar facilities will be allowed within the right-of-way if located as far to the outside edge as possible and if the location either meets AASHTO Clear Zone guidelines or is protected by an existing obstruction such as a tree or utility pole. Utility vaults shall be located a minimum of 4'-0" from edge of pavement.

24. 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.

25. 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, or as needed, street sweeping using a modern mechanical or vacuum-assisted street sweeper.

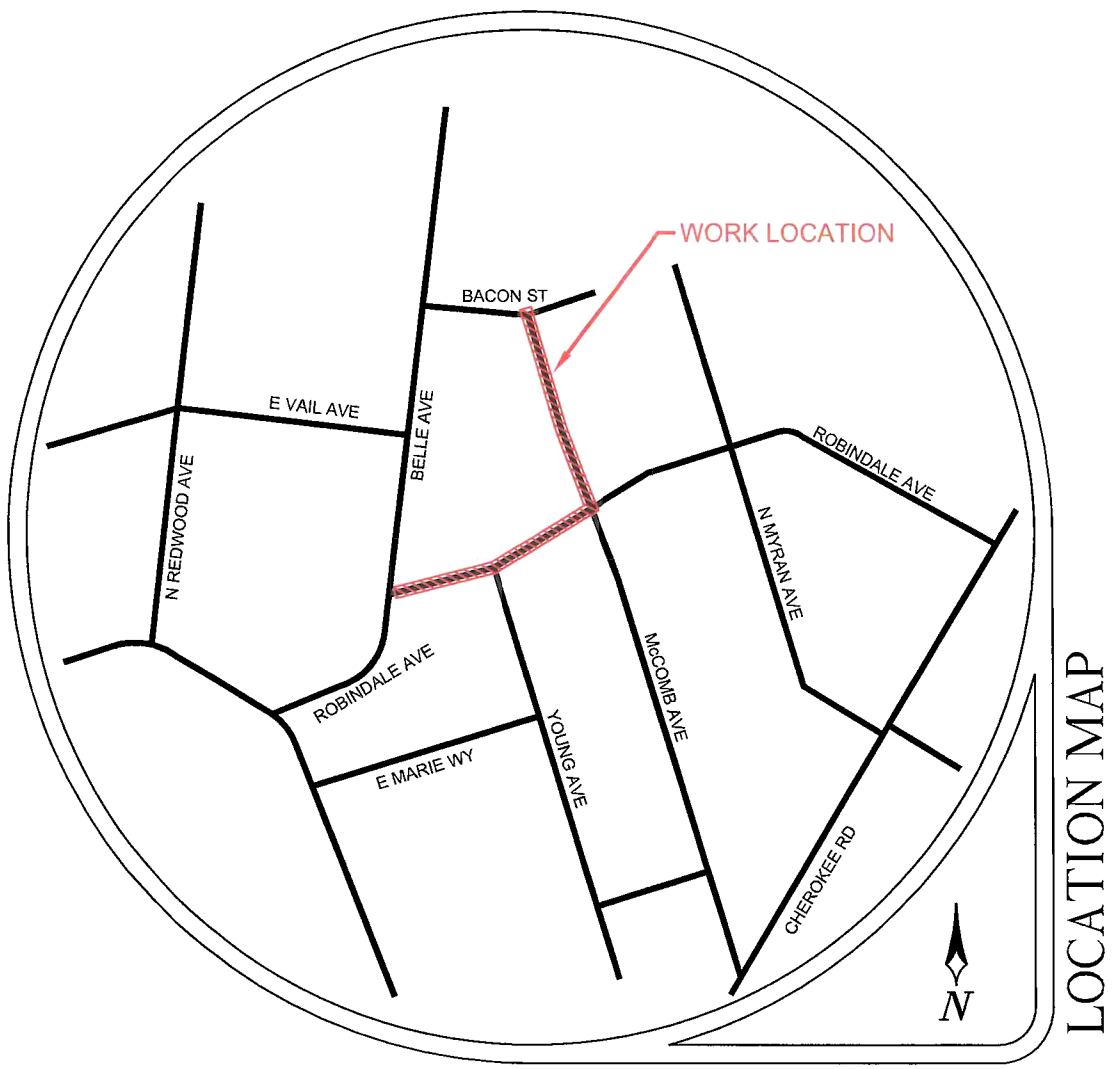
26. The contractor shall not conduct construction operations in rain or heavy fog conditions.

TRAFFIC CONTROL PLANS

ROBINDALE AVE & McCOMB AVE

STOCKTON, CALIFORNIA

PM30873887



LOCATION MAP

CONTRACTOR

Pacific Gas and Electric Company

CONTACT KEVIN SLATTERY

PHONE# (916) 760-1967

WORKING HOURS 800AM-400PM MON-FRI

CONSULTANT

ALMENDARIZ CONSULTING INC

ALMENDARIZ CONSULTING, INC.
1144 SUNCAST LN STE 1
EL DORADO HILLS, CA 95762
(888) 306-1211 OFFICE
(888) 768-7022 FAX
CA C31 LIC #979806

REVISIONS			
REV.	DESCRIPTION	BY	DATE

PROJECT NO. 13143
DRAWN CAA
DESIGNED CAA
CHECKED MAA

DATE
FEBRUARY 20, 2013

SHEET COVER

GENERAL NOTES

1. NOTHING ALLOWED IN THE BUFFER AND TRANSITION AREAS AT ALL TIMES.
2. SIGNS ARE ONLY SHOWING TO THE PUBLIC WHEN IN USE.
3. SIGNS AND CHANNELIZING DEVICES MUST BE RETROREFLECTIVE OR ILLUMINATED DURING NIGHT OPERATIONS.
4. SIGN PANEL SIZES: 36"X36" MIN. ON ROADS <50mph, 48"x48" ON ROADS ≥ 50mph.
5. SIGNS ARE SPACED PER THE CALIFORNIA MUTCD MANUAL.
6. CHANNELIZING DEVICES SPACING AND TAPER LENGTHS ARE BASED ON THEIR RESPECTIVE CHARTS. (SEE CHARTS THIS PAGE)
7. CONTRACTOR SHALL NOTIFY THE LOCAL LAW ENFORCEMENT, FIRE, AND AMBULANCE COMPANIES WITHIN 24 HOURS BEFORE CONSTRUCTION BEGINS.
8. CONTRACTOR TO MAKE SURE ALL TRAFFIC CONTROL EQUIPMENT MEETS ALL AGENCY REQUIREMENTS.
9. REMOVE ALL CONFLICTING MARKINGS FOR LONG TERM OPERATIONS (3 DAYS OR LONGER).
10. THE LOCATION OF THE SIGNS AS SHOWN ON THE ILLUSTRATIONS ARE GUIDELINES AND ACTUAL LOCATIONS WILL DEPEND UPON ALIGNMENT, GRADE, LOCATION OF STREET INTERSECTIONS AND 85TH % TILE POSTED SPEED LIMITS.
11. WHILE CROSSING INTERSECTIONS DURING MOBILE WORK, WORK MUST FOLLOW THE FLOW OF TRAFFIC AND PROCEED ON A GREEN LIGHT.
12. FULL COMPLIANCE IS REQUIRED WITH THE ~~CITY~~ COUNTY AGENCY.
13. PEDESTRIAN ACCESS BE MAINTAINED AS PER THE ~~CITY~~ COUNTY AGENCY.
14. C30 SIGNS ARE PERMITTED IN BUFFER AREAS.
15. SIGN SPACING IS PROVIDED IN THE MUTCD 2012 EDITION, PART 6. TRAFFIC SPEEDS ARE BASED UPON RADAR MEASUREMENTS OF MOTORISTS. THE MUTCD ALLOWS FOR A "RANGE" IN SIGN PLACEMENT AND WILL BE PROVIDED BY DOT. THE 85TH% TILE IS USED WHEN AVAILABLE TO PROVIDE A MORE ACCURATE REPRESENTATION OF MOTORISTS SPEEDS.
16. ANY WORK WITHIN 200 FT OF A SIGNALIZED INTERSECTION WILL REQUIRE CONTACT AND COORDINATION WITH CITY AGENCY PRIOR TO ANY WORK.
17. QUALITY STANDARD TO MEET REQUIREMENTS OF SECTION 1A-2 OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
18. ALL TRAFFIC CONTROL DEVICES INCLUDING: SIGNS, BARRICADES, VERTICAL PANELS, DRUMS, WARNING LIGHTS, ARROWBOARDS, CHANGEABLE MESSAGE SIGNS, CONES AND TUBULAR MARKERS THAT MEET THE REQUIREMENTS OF AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA). "CA MUTCD 2012" SHALL BE USED ON THIS PROJECT/THIS WORK.
19. THE NCHRP REPORT 476 PROVIDES GUIDELINES FOR DESIGN AND OPERATION OF NIGHTTIME TRAFFIC CONTROL FOR HIGHWAY MAINTENANCE AND CONSTRUCTION. SEE TYPICAL APPLICATIONS NWTA-1 THROUGH NWTA-7. COMPLY WITH ANSI 107-2004 FOR APPAREL. HIGHWAY CONSTRUCTION WORK LIGHTING SHALL BE PER CONSTRUCTION SAFETY ORDER 1523 (CALIFORNIA CODE OF REGULATIONS TITLE 8, DIVISION1, CHAPTER 4, SUBCHAPTER 4, ARTICLE 3, SECTION 1523 - ILLUMINATIONS).
20. SIDEWALKS AT THE CONSTRUCTION LOCATION MAY BE CLOSED WITH ADEQUATE DETOURS. SIDEWALKS MAY ONLY BE CLOSED TO THROUGH TRAFFIC AND SHALL NOT PREVENT LOCAL PEDESTRIANS ACCESS. DETOURS SHALL NOT INCREASE THE PATH OF TRAVEL BY MORE THAN 500 FT. DETOUR ROUTES SHALL BE LIMITED TO EXISTING SIDEWALKS, PRIVATE PROPERTIES (SEE BELOW REQUIREMENTS) AND CROSSINGS AT ROADWAY INTERSECTIONS. TO THE MAXIMUM EXTENT FEASIBLE, THE ALTERNATE CIRCULATION PATH SHALL BE PROVIDED ON THE SAME SIDE OF THE STREET AS THE DISRUPTED ROUTE. WHERE IT IS FEASIBLE TO PROVIDE A SAME-SIDE ALTERNATE CIRCULATION PATH AND PEDESTRIANS WILL BE DETOURED. SECTION 6D.02 OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS 2012 EDITION (MUTCD) APPROVED FOR CALIFORNIA, SPECIFIES THAT THE ALTERNATE PATH PROVIDE A SIMILAR LEVEL OF ACCESSIBILITY TO THAT OF THE EXISTING DISRUPTED ROUTE . THIS MAY INCLUDE THE INCORPORATION OF ACCESSIBLE PEDESTRIAN SIGNALS (APS), CURB RAMPS, OR OTHER ACCESSIBILITY FEATURES.
21. PEDESTRIANS MAY BE DETOURED ONTO PRIVATE PROPERTY ONLY IF WRITTEN PERMISSION FROM THE PROPERTY OWNER IS OBTAINED ALONG WITH DOCUMENTATION INDICATING THAT THE ~~CITY~~ COUNTY WOULD NOT BE LIABLE (HOLD HARMLESS) IN THE EVENT OF AN ACCIDENT.
22. DURING WORK HOURS, AT LEAST ONE WORKER SHALL BE ASSIGNED WITH THE RESPONSIBILITY TO ESCORT ELDERLY, DISABLED OR ANY OTHER PEDESTRIANS IN NEED OF ASSISTANCE THROUGH THE CONSTRUCTION SITE. A WORKER ASSIGNED WITH THIS RESPONSIBILITY MAY ALSO PARTICIPATE IN OTHER CONSTRUCTION ACTIVITIES; HOWEVER, THE ASSIGNED WORKER SHALL BE AWARE OF HIS OR HER RESPONSIBILITIES FOR PROVIDING THIS ASSISTANCE. MEASURES THAT SIMPLY CLOSE THE SIDEWALK, WITH THE EXCEPTION THAT PEDESTRIANS WILL CROSS SOMEWHERE ELSE DOES NOT ADEQUATELY SATISFY PEDESTRIAN ACCESS. PEDESTRIANS SHOULD NEVER BE DIRECTED/ EXPECTED TO CROSS A MULTI-LANE ROADWAY AT ANY LOCATION OTHER THAN AT A SIGNAL (OR ALL-WAY STOP). ACCOMMODATIONS SHOULD BE MADE ON THE SAME SIDE OF ROADWAY AS WORK.

TABLES CHART

Posted Speed	Formula	Buffer Space	Minimum Taper Lengths									Maximum *Cone Spacing	Sign Spacing
			10' Offset			11' Offset			12' Offset				
			L Merge	1/2 L Shift	1/3 L Shoulder	L Merge	1/2 L Shift	1/3 L Shoulder	L Merge	1/2 L Shift	1/3 L Shoulder		
25		155'	104'	52'	35'	115'	57'	38'	125'	63'	42'	25'	100' - 200'
30		200'	150'	75'	50'	165'	83'	55'	180'	90'	60'	30'	120' - 240'
35	$L = \frac{WS^2}{60}$	250'	204'	102'	68'	225'	112'	75'	245'	123'	82'	35'	140' - 280'
40		305'	267'	133'	89'	293'	147'	98'	320'	160'	107'	40'	160' - 320'
45		360'	450'	225'	150'	495'	248'	165'	540'	270'	180'	45'	350' - 500'
50		425'	500'	250'	167'	550'	275'	183'	600'	300'	200'	50'	400' - 600'
55	L = WS	495'	550'	275'	183'	605'	303'	202'	660'	330'	220'	50'	440' - 660'
60		570'	600'	300'	200'	660'	330'	220'	720'	360'	240'	50'	480' - 720'
65		645'	650'	325'	217'	715'	358'	238'	780'	390'	260'	50'	520' - 780'
70		730'	700'	350'	233'	770'	385'	257'	840'	420'	280'	50'	560' - 840'

Both are based on.
1.) 85th % Tile or if not available, then use
2.) Posted Speed Limit (PSL)

L = Taper Length
S = Speed
W = Width (Offset from path of travel

*Cones shown on the templates are illustration purposes only. Exact number of cones required shall be based on cone spacing, taper lengths, actual field conditions, etc..

MUTCD 2012 TABLE 6C-1

MEANING OF LETTER CODES ON TYPICAL APPLICATION DIAGRAMS

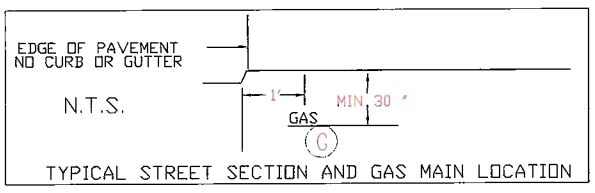
ROAD TYPE	DISTANCE BETWEEN SIGNS		
	A	B	C
URBAN (LOW SPEED) - 25 MPH OR LESS	100 FEET	100 FEET	100 FEET
URBAN (LOW SPEED) - MORE THAN 25 MPH TO 40 MPH	250 FEET	250 FEET	250 FEET
URBAN (HIGH SPEED) - MORE THAN 40 MPH	350 FEET	350 FEET	350 FEET
RURAL	500 FEET	500 FEET	500 FEET
EXPRESSWAY / FREEWAY	1,000 FEET	1,500 FEET	2,640 FEET

REVISIONS			
REV.	DESCRIPTION	BY	DATE

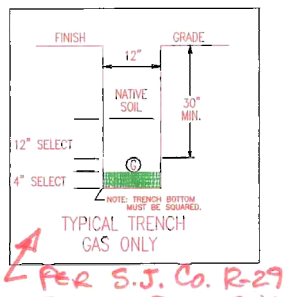
PROJECT NO. 13143
DRAWN CAA
DESIGNED CAA
CHECKED MAA

DATE
FEBRUARY 20, 2013

SHEET NOTES



IF VENTING FOR THE REGULATOR IS REQUIRED
SEE GAS STANDARD J-15.1 FOR NEW DIMENSIONS



PER S.J. CO. R-29 TRENCH BACKFILL DETAIL

CONSTRUCTION NOTES:

1) INSTALL 464' OF 2" HP PL MAIN
2) INSTALL 458' OF 4" (HP) PLASTIC MAIN.
3) TEST AND TRANSFER (6) SERVICE.
4) ALTER (8) SERVICES. (7) BY INSERT, REPLACE 2 SVC'S
5) *COORDINATE RE-LIGHTS WITH GAS SVC DEPT
6) INSTALL PLASTIC MAINS AS PER GS&S A-90.
7) INSTALL PLASTIC SERVICES AS PER GS&S A-90
8) DEACTIVATE & PURGE MAINS PER WP 4100-11
9) INSPECT WELDING AS PER GS&S D-40.
10) INSTALL ELECTRONIC MARKER SYSTEMS (EMS) DEVICES AT ALL CUT-OFF ENDS AND SECTIONALIZING POINTS ON DISTRIBUTION PIPE.
11) DEACTIVATE 477' OF 4"STL LP MAIN AND 425' OF 3" LP STL MAIN

LEGEND:

- INSTALL 2" (HP) GAS MAIN AS PER GS&S A-36 & A-90
- INSTALL 4" (HP) GAS MAIN AS PER GS&S A-36 & A-90
- INSTALL 1" (HP) PLASTIC GAS SVC (BY INSERT) AS PER GS&S A-90
- EXISTING (HP) STEEL GAS MAIN
- M — EXISTING MUELLER PCF FITTING
- INSTALL MUELLER LINE STOPPER FITTING
- CUT OFF AND DEACTIVATE MAIN PER WP4100 INSTALL ELECTRONIC MARKER SYSTEM (EMS) AT ALL CUT OFF ENDS AND SECTIONALIZING POINTS ON DISTRIBUTION PIPE.
- INSTALL CAP
- EXISTING GAS SERVICE
- (M) ELECTRONIC MARKER SYSTEM (EMS) AT ALL CUT OFF ENDS

ATTENTION FOREMAN
PRIOR TO STARTING JOB, CONTACT DISTRIBUTION PLANNING ENGINEER.

ATTENTION FOREMAN
PRIOR TO STARTING JOB, CONSULT AREA CORROSION MECHANIC FOR LOCATING WIRE INSTALLATION AND CATHODIC PROTECTION REQUIREMENTS

NOTIFIED U.S.A.
DATE:
TICKET #
BY:

PIPE WRAP REMOVAL
-For work on pre-1972 pipe, assume the wrap contains >1% asbestos until the wrap can be tested.
-Obtain samples of the wrap, and bare samples tested for asbestos in accordance with DCS Standard D-S0443.
-Test results are to be included with as-built.
-Follow procedure in DCS Standard D-S0443 for removal of pipe wrap.
PIPE TYPE: 3" & 4"
YEAR INSTALLED: 3"= 1950 4"= 1930

CATHODIC PROTECTION
INSTALLATION TESTED OR INSPECTED AND NOTED ON DRAWING. ALL LEVELS SATISFACTORY PER PG&E GS&S 0-16
QUALIFIED EMPLOYEE DATE
CORROSION MECHANIC'S SIGNATURE IS REQUIRED WHEN A CPA BOUNDARY IS WITHIN THE SCOPE OF THE PROJECT.

TEST AT 100-110 PSI FOR MINIMUM OF 5 MIN.

PRESSURE	DURATION	INITIALS	DATE OF TEST

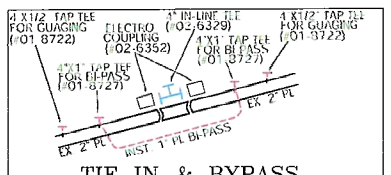
PLASTIC PIPE DATA

SIZE	MANUFACTURED	DATE OF MANUFACTURE

PROJECT CONDITIONS STAMP
Type(s) of Work:
☐ New Business
■ PG&E Maintenance & Construction
Project Conditions:
■ NONE APPARENT (if project design changes, contact ADE)
or
☐ CONDITIONS APPLY:
☐ PERMITS ☐ TAILBOARD ☐ OTHER
(Provide additional information on line below)
BY _____ SIGNATURE, NAME, [CORPORATE ID], DATE

CONTACT LIST

KEY CONTACTS	NAME	PHONE
GAS ESTIMATOR	KEVIN SLATTERY	916-760-1967
GAS ADE	MIKE CORDOVA	916-760-2998
PROJ MGR.	KELLE BOBBITT	209-932-6494
SR. ENG.	CHARLES MADISON	530-771-7023
PLNG. ENG.	DAVE RYMERS	209-406-7782
CORR. MECH.	BILL BELASKI	209-842-6550
GC. SUP'V.	NICK JORDAN	530-771-7023

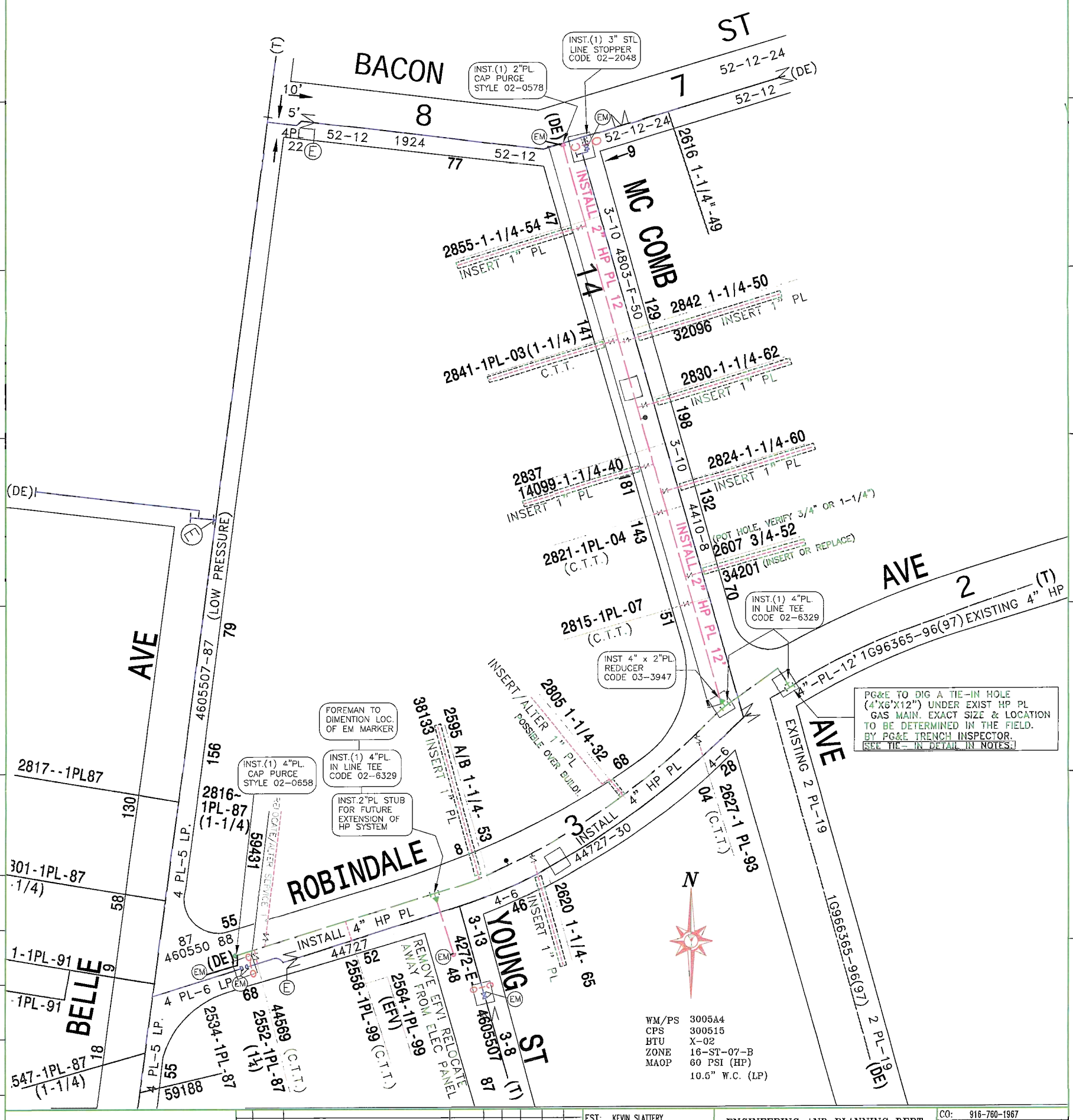


TIE IN & BYPASS
BELL HOLE TO BE 4'X8'X1'(BELOW EXT GAS MAIN)
INSTALL BYPASS & GAUGE TAPS PRIOR TO SQUEEZING DOWN 2" PLASTIC MAIN REMOVE GAUGE TAPS & ABANDON TEMPORARY BYPASS BOND#10 LOCATING WIRE

INSTALL DIRECT BURIAL PLASTIC MAINS AND SERVICES PER GS&S A-90, A-90.2, A-93, A-93.1, A-93.3 & D-21.
INSTALL INSERT PLASTIC MAINS & SVCS. PER GS&S A-90, A-90.3, A-93, A-93.1, A-93.3 & D-21.

WELDING INSPECTED PER PG&E GAS STANDARD D-40
VISUAL ..... ☐
MAGNETIC PARTICLE ..... ☐
INSPECTOR
DATE

PROJECT CONDITIONS STAMP
Type(s) of Work:
☐ New Business
☒ PG&E Maintenance & Construction
Project Conditions:
☐ NONE APPARENT (if project design changes, contact ADE)
or
☐ CONDITIONS APPLY.
☒ PERMITS ☒ TAILBOARD ☐ OTHER
(Provide additional information on line below)
BY KEVIN SLATTERY KWS1
SIGNATURE, NAME, [CORPORATE ID], DATE



ROBINDALE & MCCOMB AVE STOCKTON CA.
CONSTRUCTION DRAWING
REPLACE 3" & 4" LP STL WITH
2" & 4" HP PL MAIN

NO.	DATE	DESCRIPTION	ORDER #	DWN	CHKD	SUPV	APVD BY

REVISIONS

EST: KEVIN SLATTERY
ADE: MIKE CORDOVA
SUPV: BRAD RICE
REP: KELLE BOBBITT
PLNR: DAVE RYMERS
SCALE: 1"=40' DATE: 12/28/12

ENGINEERING AND PLANNING DEPT.
PHONE #: FAX #:
PACIFIC GAS AND ELECTRIC COMPANY

CO: 916-760-1967
SD:
NOTIF.: 105415175
Other:
SHT: 0F1 SHEETS
PM: 30873887
REV. 0

- CONTRACTOR SHALL MAINTAIN/PROVIDE ACCESS TO ALL DRIVEWAYS AFFECTED BY THE WORK AREA.
- CONTRACTOR SHALL ASSIGN A WORKER TO ASSIST PEDESTRIANS AROUND WORK AREA.
- CONTRACTOR SHALL MAINTAIN A MINIMUM 4' PATH OF TRAVEL FOR PEDESTRIANS.
- MAXIMUM CHANNELIZING DEVICE SPACING FOR ALL SPEEDS ON DOWNSTREAM TAPERS IS 20'.

REVISIONS			
REV.	DESCRIPTION	BY	DATE

PM30873887

ROADS < 50 MPH:
MINIMUM 36" SIGN PANELS
(48" SIGNS MAY BE USED)

ROADS ≥ 50 MPH:
MINIMUM 48" SIGN PANELS

ALMENDARIZ CONSULTING INC
1144 SUNCAST LN STE 1
EL DORADO HILLS, CA 95762
(888) 306-1211 OFFICE (888) 768-7022 FAX
CA C31 LIC #979806

LOCATION ROBINDALE AVE & YOUNG AVE, STOCKTON, CA

Pacific Gas and Electric Company

CONTACT KEVIN SLATTERY
PHONE* (916) 760-1967
WORKING HOURS 800AM-400PM MON-FRI

PROJECT NO. 13143
DRAWN CAA
DESIGNED CAA
CHECKED MAA

DATE
FEBRUARY 20, 2013

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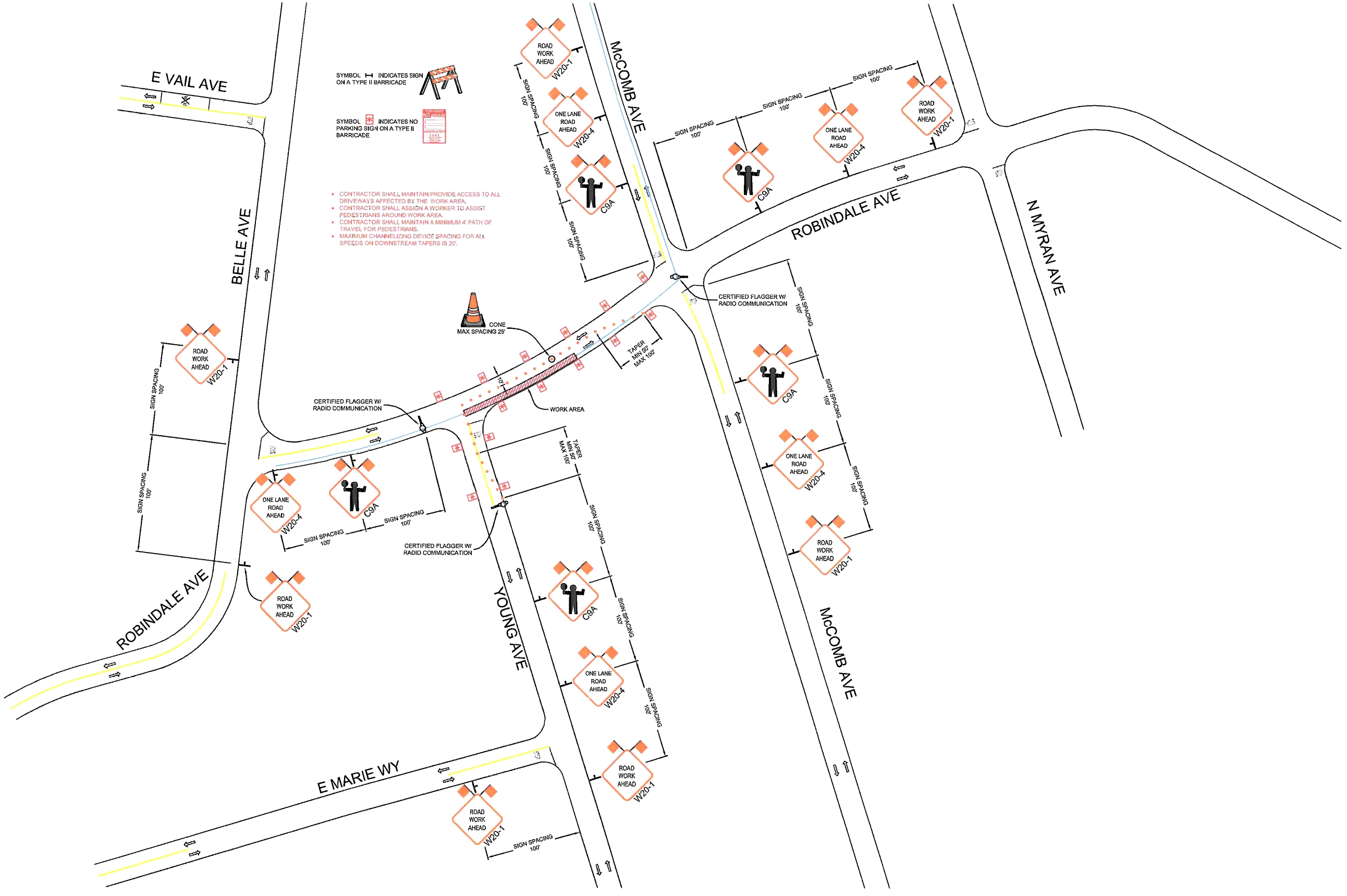

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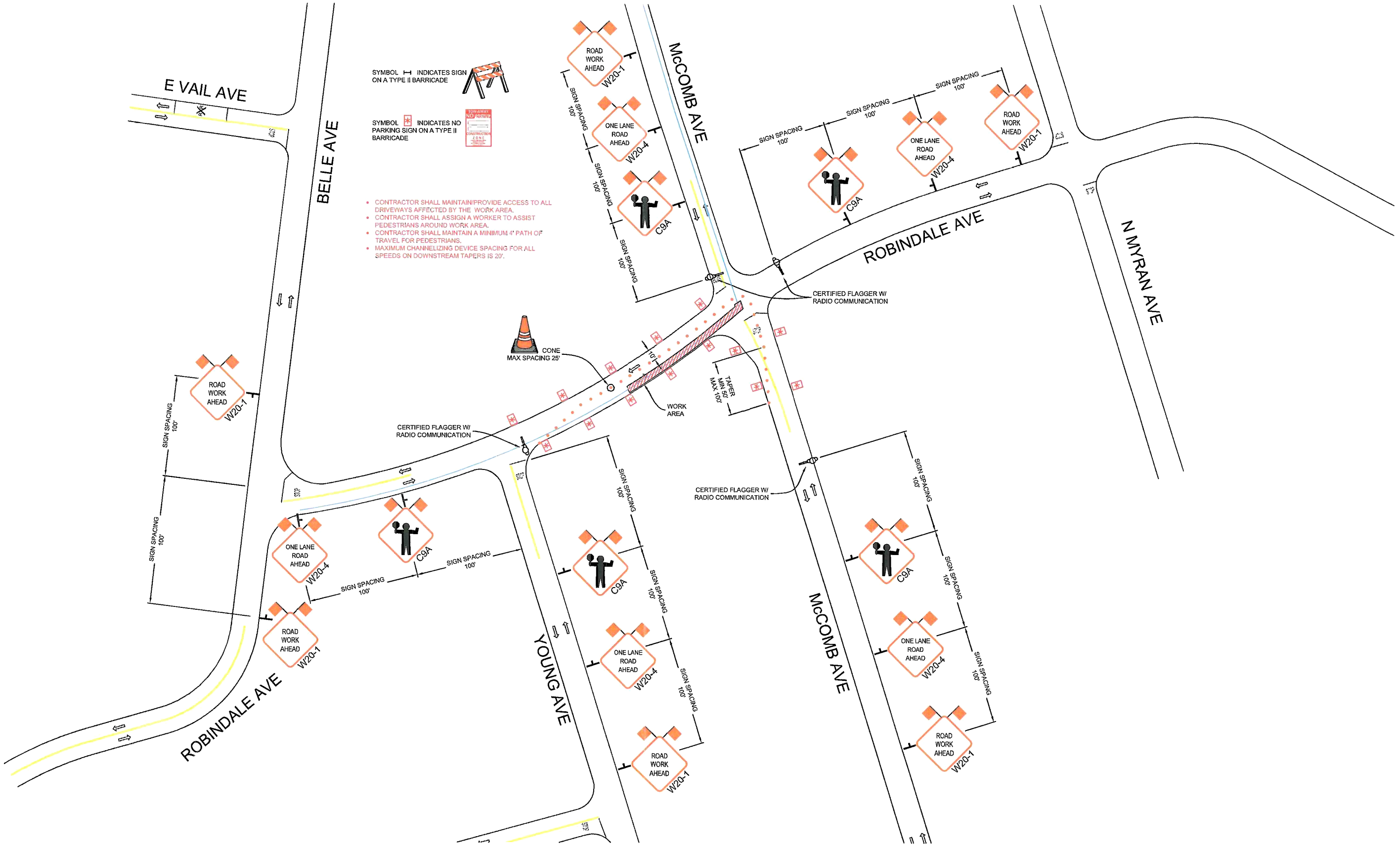

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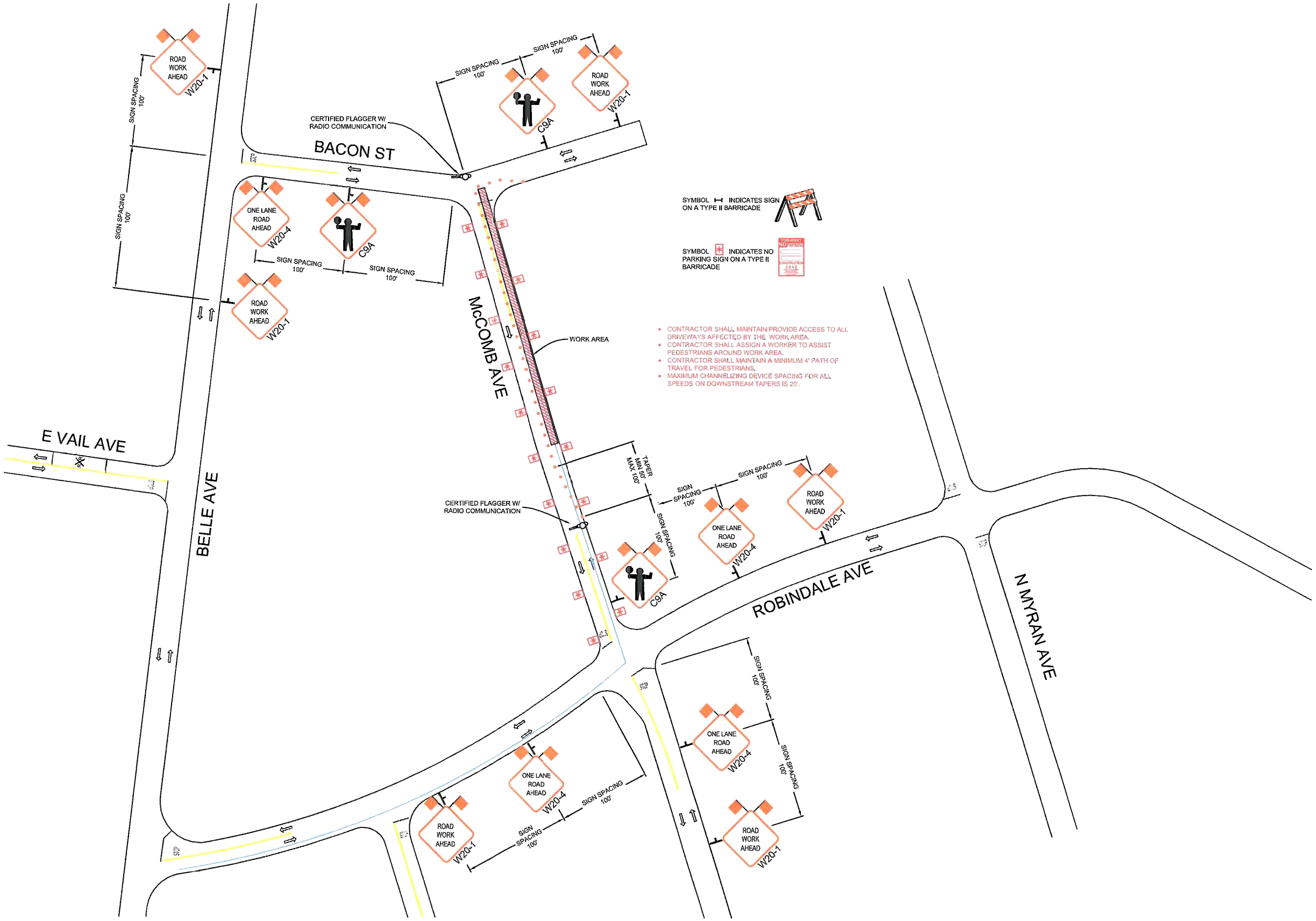

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1144 SUNCAST LN STE 1
EL DORADO HILLS, CA 95762
(888) 306-1211 OFFICE (888) 768-7022 FAX
CA C31 LIC #979806

LOCATION McCOMB AVE & BACON ST, STOCKTON, CA

Pacific Gas and Electric Company

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WORKING HOURS 800AM-400PM MON-FRI

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