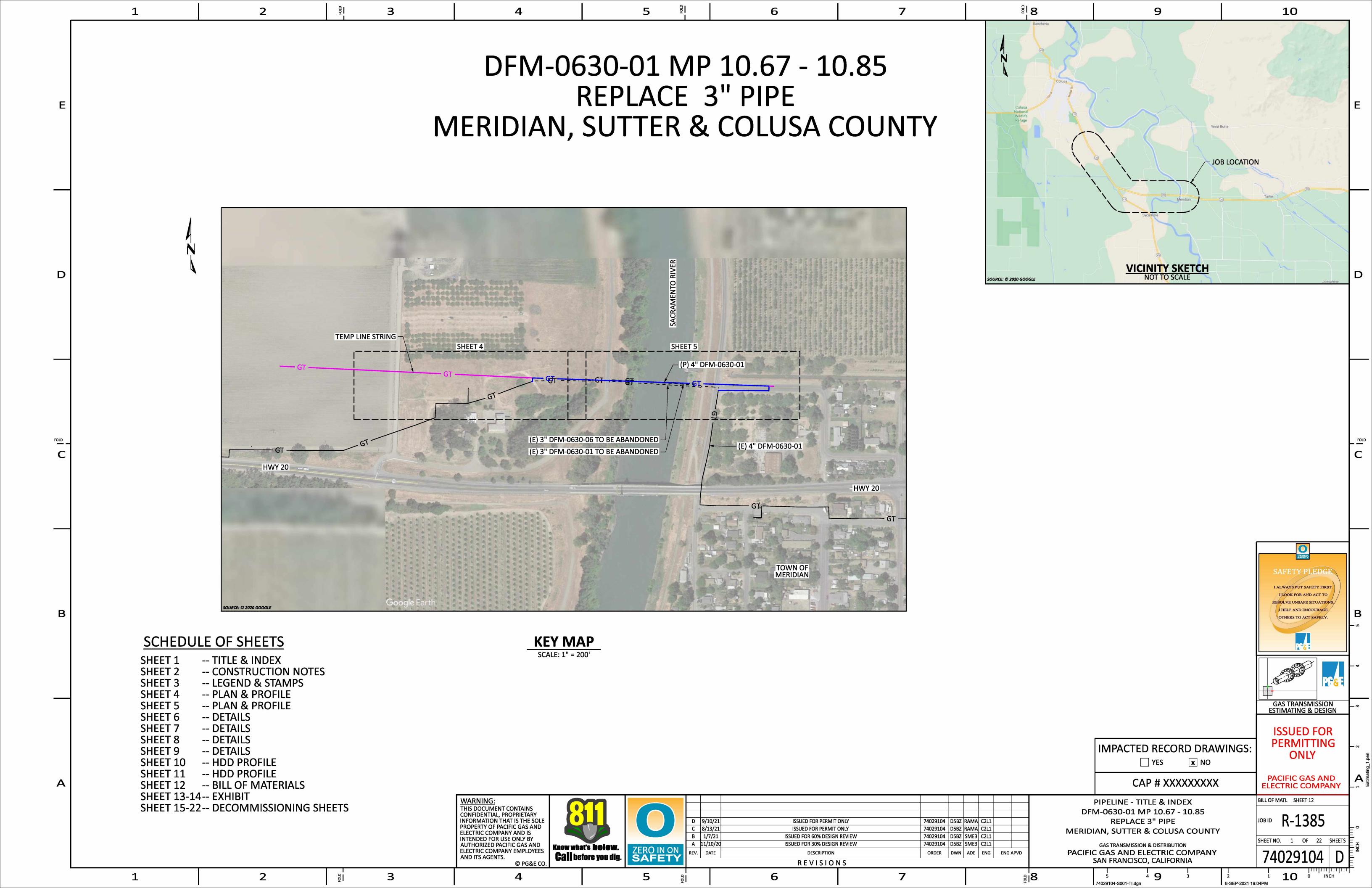
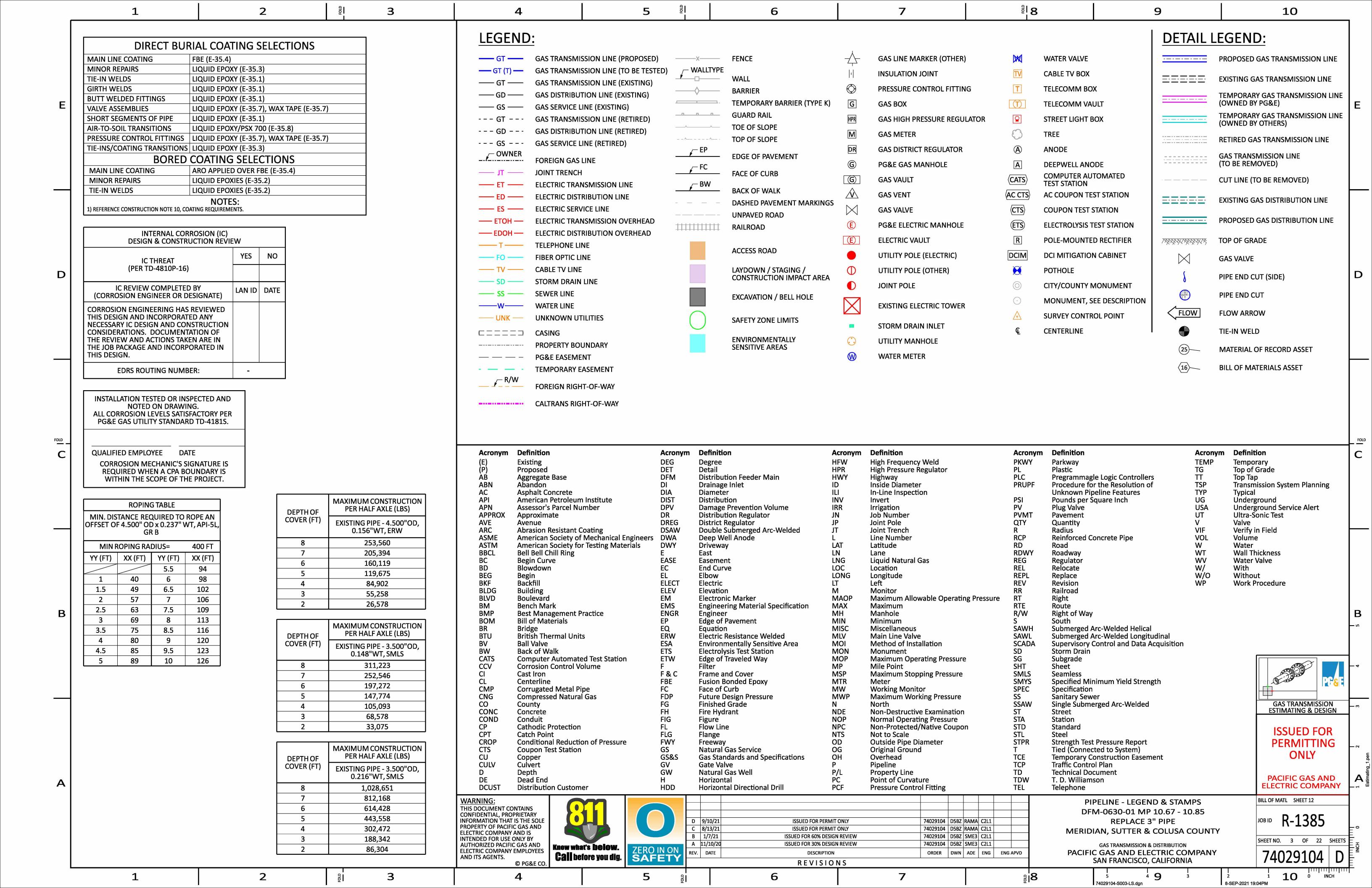
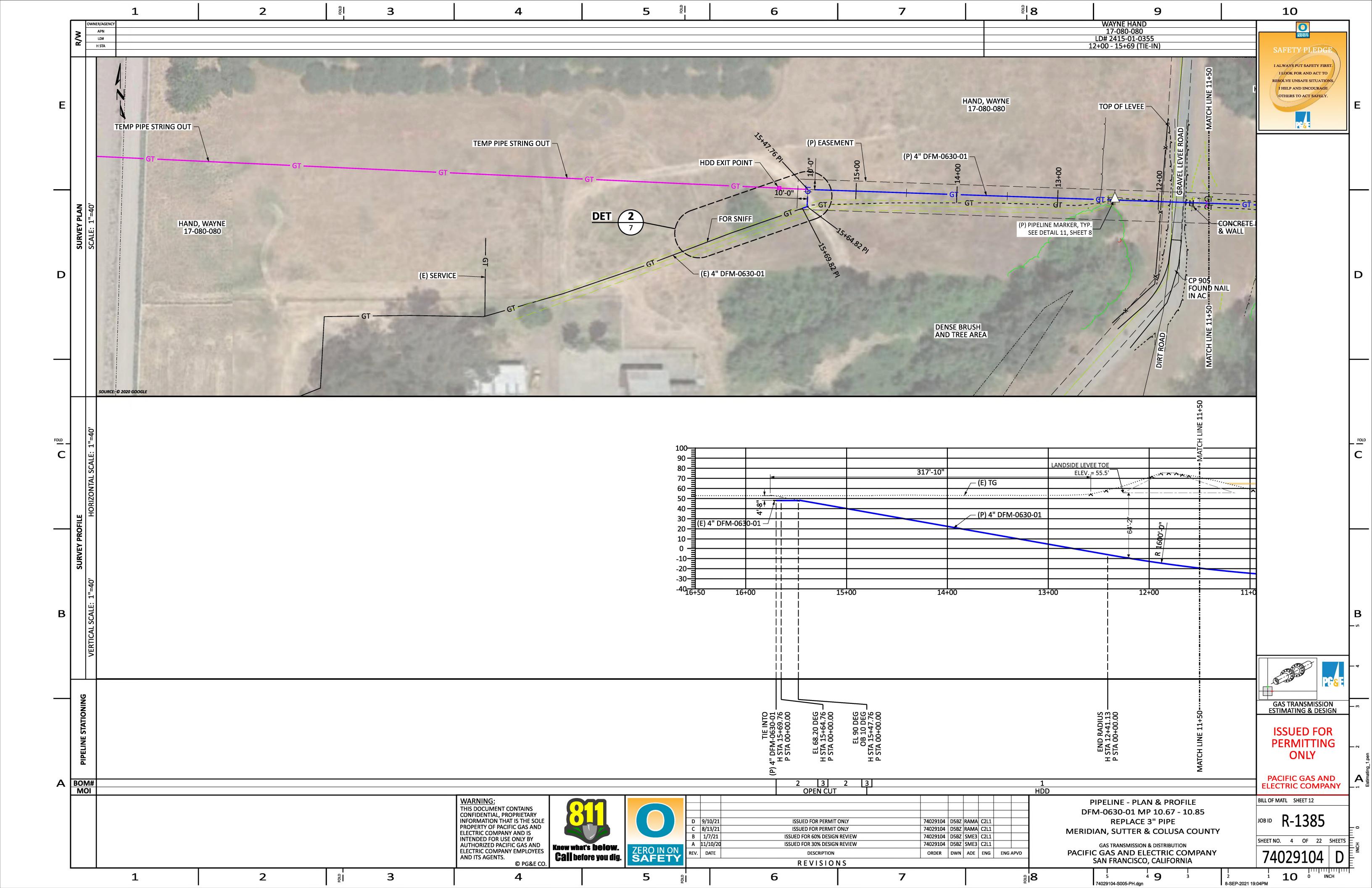
## **APPENDIX C**

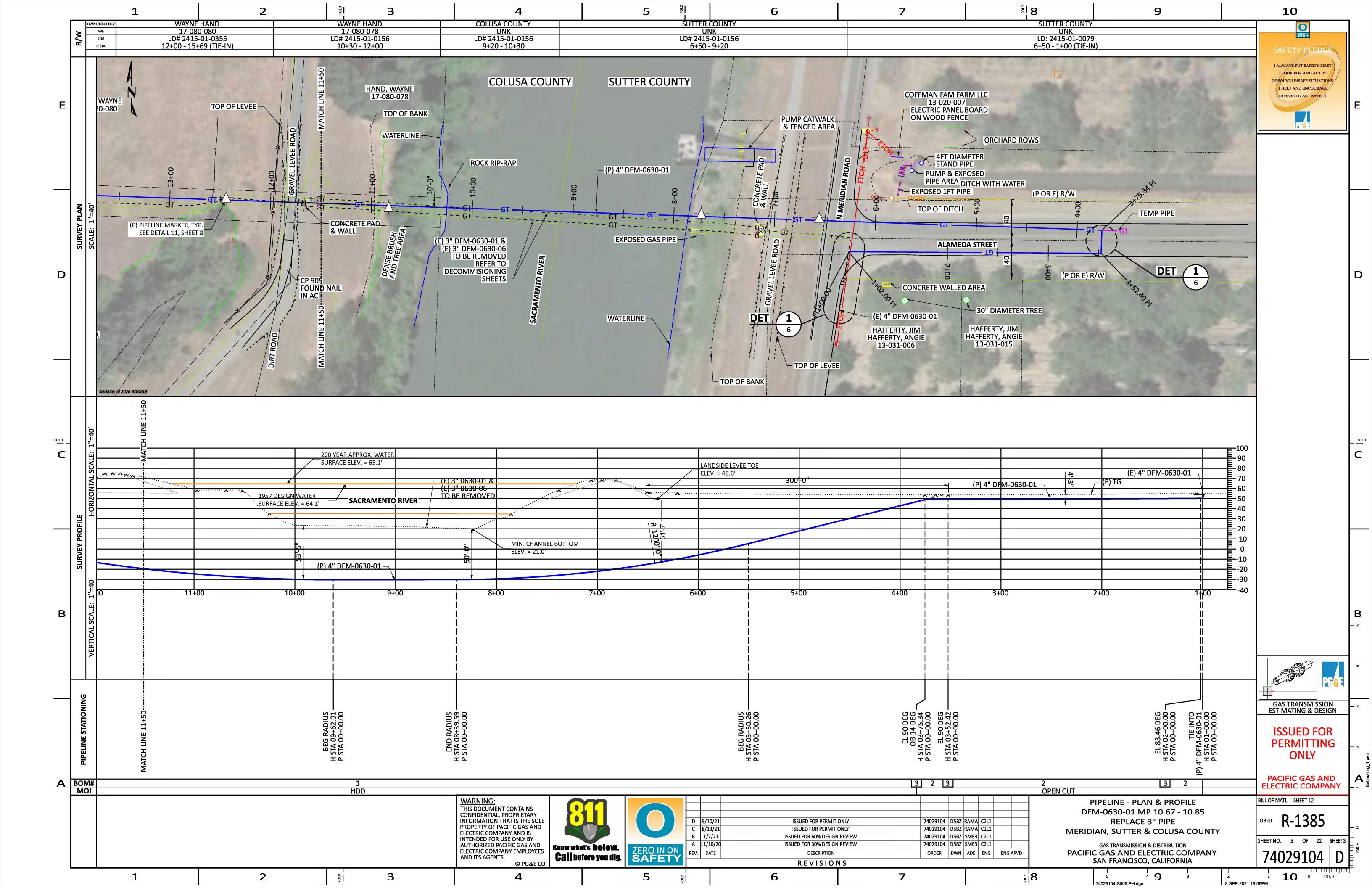
**PROJECT PLANS** 

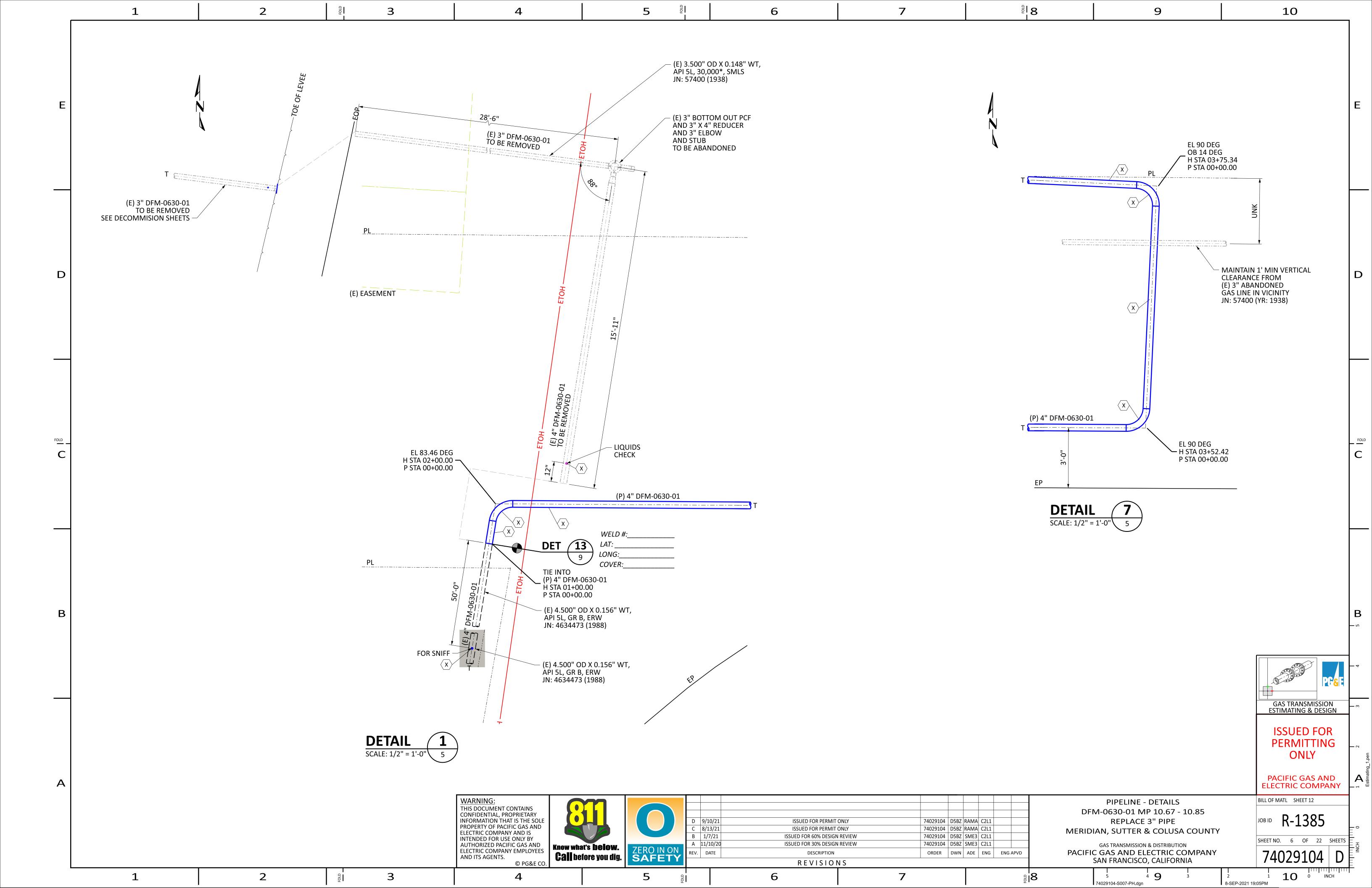


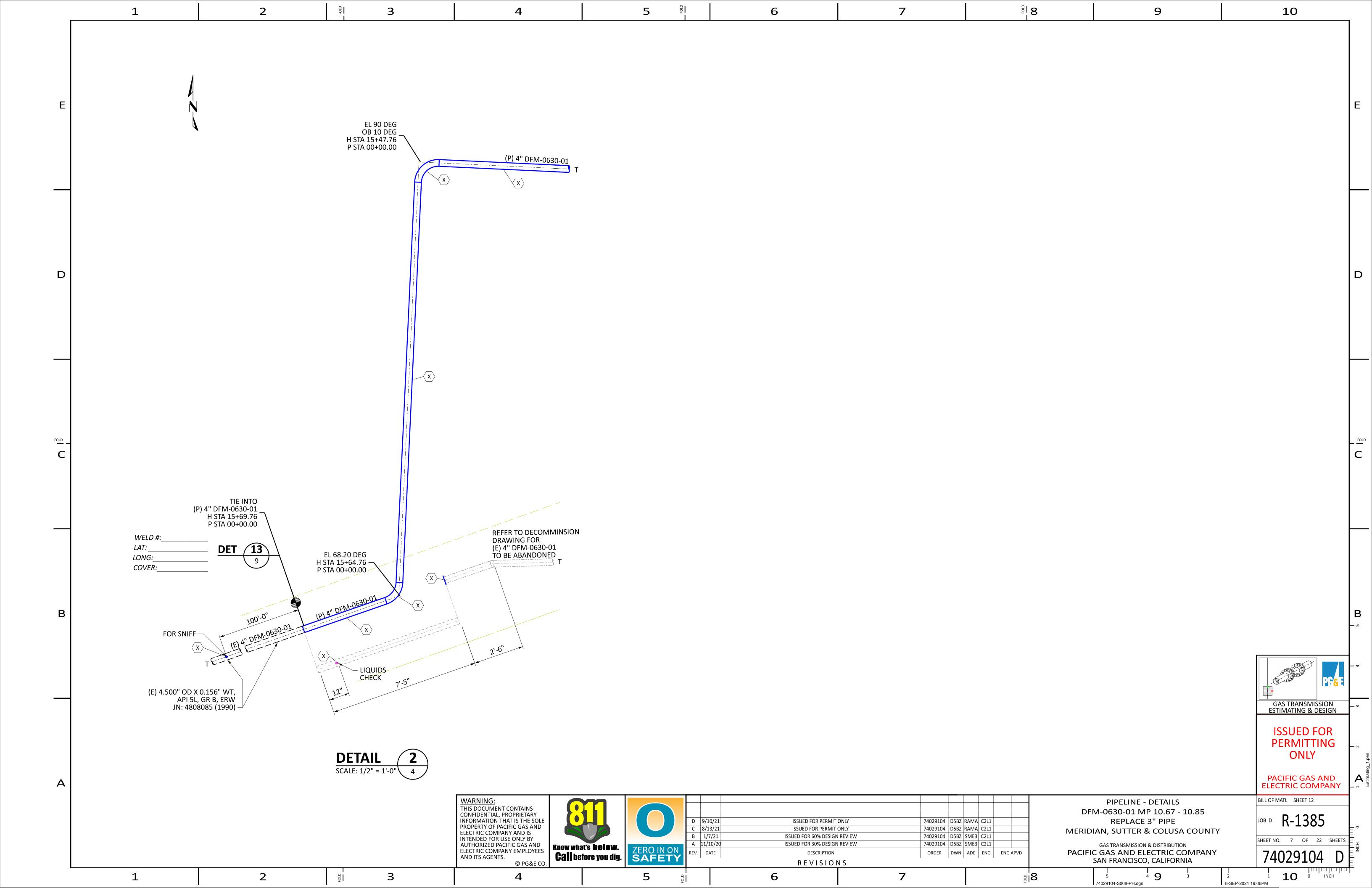
_	1 2	Be 3	4	5 <sup>al</sup>	6	7	Fold	9	10
	SUMMARY OF PROPOSED \				CONTACT INFORMATION:				
E	<ol> <li>STRENGTH TEST 4.500"OD L-0630-01 FROM MP 1 10.85 PER DRAWINGS AND STRENGTH TEST PRES REPORTS (#74029104) AND MATERIAL OF RECORD DRAWING #74029104 SHEET 2 OF 2.</li> <li>CAPITAL ORDER # 74029104</li> <li>INSTALL 1548'-0" OF 4.500"OD PIPE.</li> <li>REMOVE 35'-11" OF 4.500"OD PIPE.</li> <li>REMOVE 15'-11" OF 3.500"OD PIPE.</li> <li>RETIRE (1) 3" PCF.</li> </ol>	SURE GENERAL REQUIREMENTS: D  1. UNDERGROUND SERVI CALL 811 (1-800-227-2 CONTACT) IN ADVANCE NON-UTILITIES BEFORE  2. UTILITY NOTES: A. DIMENSIONS SHOW FROM SEVERAL SOU PRIOR TO FABRICAT B. THE INFORMATION UNDERGROUND UT TO BE ACCURATE OF ARE RESPONSIBLE FUNDERGROUND UT	500) A MINIMUM OF 2 BUSINESS DAYS (NO FOR THE MARKING OF UNDERGROUND U YOU DIG, GRADE, OR EXCAVATE. N ON THESE DRAWINGS ARE BASED ON TH RCES, AND SHALL BE VERIFIED IN THE FIEL	HE BEST AVAILABLE INFORMATION D BY CONSTRUCTION PERSONNEL STRUCTURES IS NOT GUARANTEED ED. CONSTRUCTION PERSONNEL THE TYPE AND LOCATION OF	A. TD-4100P-01, HOT AND COLING SHUTDOWN AND TIE-IN. B. TD-4441S, GAS CLEARANCE FOR THE FOLLOWING SASPHALTIC PIPE WRAP ON PIPE INSTALLED IN 1972 OR INSTALLED	D WORK METHODS FOR NATURAL GAS TE PROCEDURES FOR FACILITIES OPERATING STEPS, IN ACCORDANCE WITH TD-4711P-0 IPELINES INSTALLED PRIOR TO 1972 (BASE LATER DOES NOT HAVE PIPE WRAP THAT OF	RANSMISSION PIPELINE OVER 60 PSIG.  01, BEFORE REMOVING ED ON PG&E ANALYSIS, CONTAINS ASBESTOS): SBESTOS:	I&R SUPPORT JEF CLEARANCE SUPERVISOR TB PROJECT COORDINATOR AL PROJECT ENGINEER (PED) CL PIPELINE ENGINEER (PLE) JEF ESTIMATOR / DESIGNER DA H-FORM LU MATERIALS (PIPE) MI MATERIALS (FITTINGS) PA MATERIALS (CHAIN OF DA CUSTODY) CORROSION ENGINEER JES	ENELSON (916) 258-8735 REMY VARNER (209) 247-5306 TBD EX RODRIGUEZ (916) 223-5419 ARENCE LI (925) 967-8247 FFREY GRACE (916) 247-1334 AVE BREWER (530) 354-3301 KE ZOLNIEROWSKI (908) 464-3064 ICHAEL LACHINA (510) 468-1924 AMELA TREVINO (510) 468-7964 AVID BUCKLEY (628) 234-5642  SSE BURR (925) 324-8076 ARREN BEGLEY (916) 601-1983
$\dashv$		APPROVED BY THE I	QUIRED AHEAD OF WORK. ALL OFFSETS O G&E PROJECT ENGINEER (PED), AND REDL N DETAIL SHEETS OF EACH ADDITIONAL SU	INED DETAILS SHOWN ON PROFILE	TD-4711P-01-F01.	ER TD-4711P-01 AND COMPLETE CHAIN O THE CHAIN OF CUSTODY FORM AND FINA S			
		D. ALL EXCAVATIONS V	VITHIN EXISTING STATIONS SHALL BE HAND VACUUM EXCAVATIONS OR SIMILAR).		2. WHEN REMOVING PIPE V	yrap that contains asbestos, or for IPE WRAP REMOVAL, HANDLING AND DIS	EMERGENCY WORK,	REFERENCE DRAWIN	<u>GS:</u>
D		SHALL BE MADE IN OF ELBOWS WHEN B. IN ORDER TO AVOID SEPARATION OF 5 F BENDS.	DWS, EXCEPT WHERE SMOOTH FIELD BENINGCORDANCE WITH A-36, SECTION 4D. FIED PREAPPROVED BY THE PG&E PROJECT ENGINE EXCESSIVE STRAIN ON THE PIPELINE, THE SET BETWEEN A ROPED SECTION OF PIPELINE IN THE PLAN AND PROFILE ARE APPROXIION OF PIPELINE IN THE PLAN AND PROFILE ARE APPROXIION OF PIPELINE IN THE PLAN AND PROFILE ARE APPROXIION OF PIPELINE IN THE PLAN AND PROFILE ARE APPROXIION OF PIPELINE IN THE PLAN AND PROFILE ARE APPROXIION OF PIPELINE IN THE PLAN AND PROFILE ARE APPROXIION OF PIPELINE IN THE PLAN AND PROFILE ARE APPROXIION OF PIPELINE IN THE PLAN AND PROFILE ARE APPROXIION OF PIPELINE IN THE PLAN AND PROFILE ARE APPROXIION OF PIPELINE IN THE PLAN AND PROFILE ARE APPROXIION OF PIPELINE IN THE PLAN AND PROFILE ARE APPROXIION OF PIPELINE IN THE P	ELD BENDS MAY BE USED IN LIEU INEER (PED). RE SHALL BE A MINIMUM NE AND ANY ELBOWS OR FIELD	<ul> <li>INSPECTION OF THE PIPELINE.</li> <li>2. INSTALL ELECTROLYSIS TEST STA O-10, O-10.1 AND O-10.2.</li> <li>3. UPON COMPLETION OF BORING</li> </ul>	IMENT INTERNAL CORROSION AND EXTER TIONS IN ACCORDANCE WITH GAS DESIGN GS, CONTACT THE CORROSION SUPERVISO	N STANDARDS OR FOR THE LOCAL	OPERATING MAPS SUTTER CREEK FIELD SUTTER BUTTES FIELD REDDING DISTRIBUTION PLATS 2149 AS-BUILTS MAOP13014788.TIF REPLACE 3" DFM WITH 4" FROM MOON BEND TO SACRAMENTO RIVER CROSSING REPLACE 3" COLUSA DFM SUTTER BYPASS TO MERIDIAN SUTTER CO	·
	SEQUENCE OF OPERATIONS	A. CROSSING UNDERG 24 INCHES OF CLEA	ROUND FACILITIES: PG&E PIPELINE MUST RANCE FROM ANY OTHER SUBSTRUCTURE, IS NOTED ON THE DRAWINGS.	UTILITY NOT ASSOCIATED WITH		URRENT DRAIN TESTS ON THE PIPELINE S THE CURRENT DRAIN TEST MUST BE PERF OF THE BORE.		IMPACTED RECORD [	<u>DRAWINGS:</u>
	1. WELD AND PRE-TEST HDD PIPE STRING.	5 FEET OF CLEARAN	RGROUND FACILITIES: THIS PIPELINE MUS CE FROM ANY OTHER UNDERGROUND STR UNLESS NOTED ON THE DRAWINGS.		CORROSION SUPERVISOR FOR T	•			
FOLD	<ol> <li>INSTALL 1250' OF PIPE BY HORIZONTAL DIRECTION</li> <li>INSTALL 302' OF PIPE BY OPEN TRENCH.</li> <li>FABRICATE TIE-IN PIECES.</li> <li>HYDROTEST TO A MINIMUM OF 1.5 TIMES MAD MINIMUM DURATION OF 8 HOURS, DE-WATER, AND AMOUNT OF THE FOLIAGE THE F</li></ol>	A. RESTORATION OF PO ACCORDANCE WITH B. WHERE EVER THERE STORED ON SITE. U TAKE CARE TO PREV P WITH A AND DRY 6. DESIGN NOTES: A. THIS DRAWING HAS ACCURACY IS DEPER	AN UP: JBLIC STREETS, SIDEWALKS, CURBS, ETC. A THE LATEST CITY, COUNTY, OR AGENCY ST ARE ROW CROPS, THE TOPSOIL SHALL BE PON COMPLETION OF CONSTRUCTION, TH ENT MIXING OF TOPSOIL AND SUBSOIL.  BEEN CREATED BY REVIEW OF THE AS-BUI IDENT UPON THE SOURCE DOCUMENT LIS	ANDARDS. REMOVED TO A DEPTH OF 12" AND E TOPSOIL SHALL BE RESTORED.  LT DRAWINGS & RECORDS.	PIPELINE IS SEVERED PRIOR TO CONSTRUCTION MANAGEMENT BE UTILIZED. CLAMPS TO REMARKANT PROCEDURE FOR EXIST 1. GT&D UTILITY WORK PROCEDU UNDERGROUND GAS FACILITIES	RE TD 9500P-16, "DEACTIVATION AND/OF	LAMPS, OR OTHER ANDED CABLE SHALL  R RETIREMENT OF		FOLD
C	<ul> <li>6. PRIOR TO TAKING PIPELINE CLEARANCE, THE FORMUST BE PERFORMED: <ul> <li>A. PG&amp;E GPOM TO CHECK ANY DRIPS IN SHUT-IN FOR PRESENSE OF PIPELINE LIQUIDS.</li> <li>B. REMOVE PIPE WRAP FROM CUT OUT SECTOR EXTENDING 1' BEYOND EACH END OF THE CLUSANDBLAST TO NEAR WHITE.</li> <li>C. COMPLETE A-FORMS IN ALL EXPOSED PIPE AID IN AS-BUILT PACKAGE. IF UT WT MEASUREMIN MATCH EXISTING PIPE SPECIFICATIONS AS SHORAWINGS, IMMEDIATELY NOTIFY PROJECT ED. INSTALL SAVE-A-VALVES FOR OIL TESTING AND</li> </ul> </li> </ul>	B. PIPE & FITTING SEPTENT PER TD-4125P-09 PER	CIFICATIONS WITH ASTERISK (*) ARE CONSIGNOEDURE FOR THE RESOLUTION OF UNKNOWN THIS DRAWING IS TO BE AS-BUILT UNITY:  STO BE PERFORMED IN ACCORDANCE WITH A REFER TO TD-4160P-20 OR TD-4160P-26 RVICE WELDING PER UTILITY PROCEDURE OF SHALL BE A MINIMUM LENGTH OF ONE SALIGNMENT AT GIRTHWELDS EXCEEDS OF THE WELD.	IOWN PIPELINE FEATURES (PRUPF). DER THE PRIMARY ORDER NUMBER. TH THE GAS WELDING CONTROL FOR GENERAL WELDING REQUIREMENT TD-4160P-40. PIPE DIAMETER, WHENEVER POSSIBLE. 094", BACKWELD WHERE THERE IS	3. THE PIPE SHALL BE SECTIONALIZE THE LOCATIONS CALLED OUT AFFIRM IDENTIFY THE MOST OPTIMUM NOT BE AVAILABLE FOR THESE LIDENTIFYING THE PIPELINE TO BE AVAILABLE A 1" HIGH I PRODUCT AND PRESSURE PRIOR	28, "PROCEDURES FOR PURGING GAS FAC ZED AT INTERVALS AS SPECIFIED IN THE RI RE APPROXIMATE AND ARE SUBJECT TO FI LOCATION IN THAT VICINITY. ACCURATE OCATIONS SO USE CAUTION DURING EXC BE RETIRED. OTHER ACTIVE PIPELINES MAD D ABOVE, A PIECE OF PIPE AT LEAST 24" L PRESSURE SAVE-A-VALVE (H-17491, M022 R TO CUTTING INTO THE PIPELINE. THE O	ETIREMENT PLAN. IELD VERIFICATION TO SURVEY DATA MAY CAVATION AND WHEN AY BE IN THE AREA. CONG SHALL BE C287) TO CHECK FOR OPEN ENDS OF THE		C
	WHERE DESIGNATED.  E. CONFIRM LOCATION AND NUMBER OF SAVE-AENSURE WELD PROCEDURE CALCULATIONS AENGINEERING PRIOR TO WELDING SAVE-A-VAF. STRENGTH TEST, DEWATER, AND DRY TIE-IN FUTILITY PROCEDURE TD-4137S.  7. COMPLETE CLEARANCE PER APPROVED CLEARANCE PE	MACHINE BORING O A-VALVES AND DONE IN ACCORDAN ARE PROVIDED BY ALVES ON PIPELINE. 8. STRENGTH TEST REQUI PIECES PER A. STRENGTH TESTING A-34 AND SHALL BE B. ALL WELDS THAT HA	OR GRINDING IS REQUIRED. BACKWELDING ICE WITH TD-4160P-20 OR TD-4160-26, AS REMENTS SHALL MEET PRESSURE AND DURATION R CONDUCTED IN ACCORDANCE WITH UTILING NOT BEEN STRENGTH TESTED AND ALL RATING PRESSURE BEFORE COATING CAN	EQUIREMENTS OF GAS STANDARD TY PROCEDURE TD-4137S. FITTINGS SHALL BE SOAP TESTED AT	UTILITY WORK PROCEDURE TD- PLACE OF THE REMOVED SECTION DESIGN CHANGE PROCEDURE MAINTENANCE AND CONSTRUCTION	BY THE MOST APPROPRIATE METHOD OU 9500P-16. BACKFILL MUST BE THOROUG ON OF PIPE. I PERSONNEL MUST OBTAIN APPROVAL F NY DESIGN CHANGE TO GAS FACILITIES PE	HLY COMPACTED IN  ROM THE PROJECT		
В	<ul> <li>8. REMOVE RETIRED PIPE AND FITTINGS AS NECESS DRAWINGS.</li> <li>9. TIE-IN NEW 4"PIPE.</li> <li>10. COMPLETE RETIREMENT/REMOVAL OF 0630-01 AS PER DRAWING.</li> </ul>	A. ALL EXPOSED PIPE A E-30. ALL COATING GAS STANDARD E-3 B. FOR COATING SELEC C. CONTACT THE PROJ AND 0630-03 APPROVED COATING	ND FITTINGS ARE TO BE COATED IN ACCORD BURIED PIPE AND FITTINGS ARE TO BE S. TIONS ON BURIED PIPE, SEE DIRECT BURIANCECT ENGINEER (PED) TO REQUEST VARIANCE PRODUCTS.	APPLIED IN ACCORDANCE WITH  L COATING SELECTIONS TABLE.					B
	11. BACKFILL AND RESTORE CONSTRUCTION CORRIE HORIZONTAL DATUM		G BURIED GAS FACILITIES ARE EXCAVATED LLOW TD-5100P-01 TO DOCUMENT PIPE II						PLSE -4
	THE BEARINGS AND DISTANCES ARE BASED ON C COORDINATE SYSTEM, ZONE 3. VERTICAL DATUM ALL ELEVATIONS SHOWN ARE BASED ON THE NO VERTICAL DATUM OF 1988 (NAVD88), US SURVE PROVIDED BY THE CALIFORNIA SURVEY AND DRA SURVEY NETWORK. TO CONVERT TO NGVD29 SUBTRACT 2.4 FEET FR ELEVATIONS.	B. EXISTING GIRTH WE  ORTH AMERICAN Y FEET AS CONTACT PROJECT OF THE PROJECT OF T	LDS, AT TIE-IN LOCATIONS, SHALL BE IDENT SPECT COATING AND PIPE FOR DEFECTS. II ENGINEER (PED) FOR GUIDANCE.						GAS TRANSMISSION ESTIMATING & DESIGN  ISSUED FOR PERMITTING ONLY  June 19
Α									PACIFIC GAS AND ELECTRIC COMPANY
			WARNING: THIS DOCUMENT CONTAINS CONFIDENTIAL, PROPRIETARY INFORMATION THAT IS THE SOLE PROPERTY OF PACIFIC GAS AND ELECTRIC COMPANY AND IS INTENDED FOR USE ONLY BY AUTHORIZED PACIFIC GAS AND ELECTRIC COMPANY EMPLOYEES	C B A	9/10/21 ISSUED FOR PER 8/13/21 ISSUED FOR PER 1/7/21 ISSUED FOR 60% DE 11/10/20 ISSUED FOR 30% DE	MIT ONLY         74029104         D582           SIGN REVIEW         74029104         D582           SIGN REVIEW         74029104         D582	Z RAMA C2L1 Z SME3 C2L1 Z SME3 C2L1	PIPELINE - CONSTRUCTION NOTES DFM-0630-01 MP 10.67 - 10.85 REPLACE 3" PIPE MERIDIAN, SUTTER & COLUSA COUN GAS TRANSMISSION & DISTRIBUTION	JOB ID R-1385 SHEET NO. 2 OF 22 SHEETS
			ELECTRIC COMPANY EMPLOYEES AND ITS AGENTS.  © PG&E CO.	before you dig.  ZERO IN ON SAFETY  REV.	DATE DESCRIPTION REVISION		ADE ENG ENGAPVD	PACIFIC GAS AND ELECTRIC COMPAN SAN FRANCISCO, CALIFORNIA	/4029104   D
	1   2	al 3	4	<b>5</b> gi	6	7	9 8	5 4 <b>9</b> 3 74029104-S002-CN.dgn	2 1 <b>1O</b> 0 INCH 8-SEP-2021 19:04PM

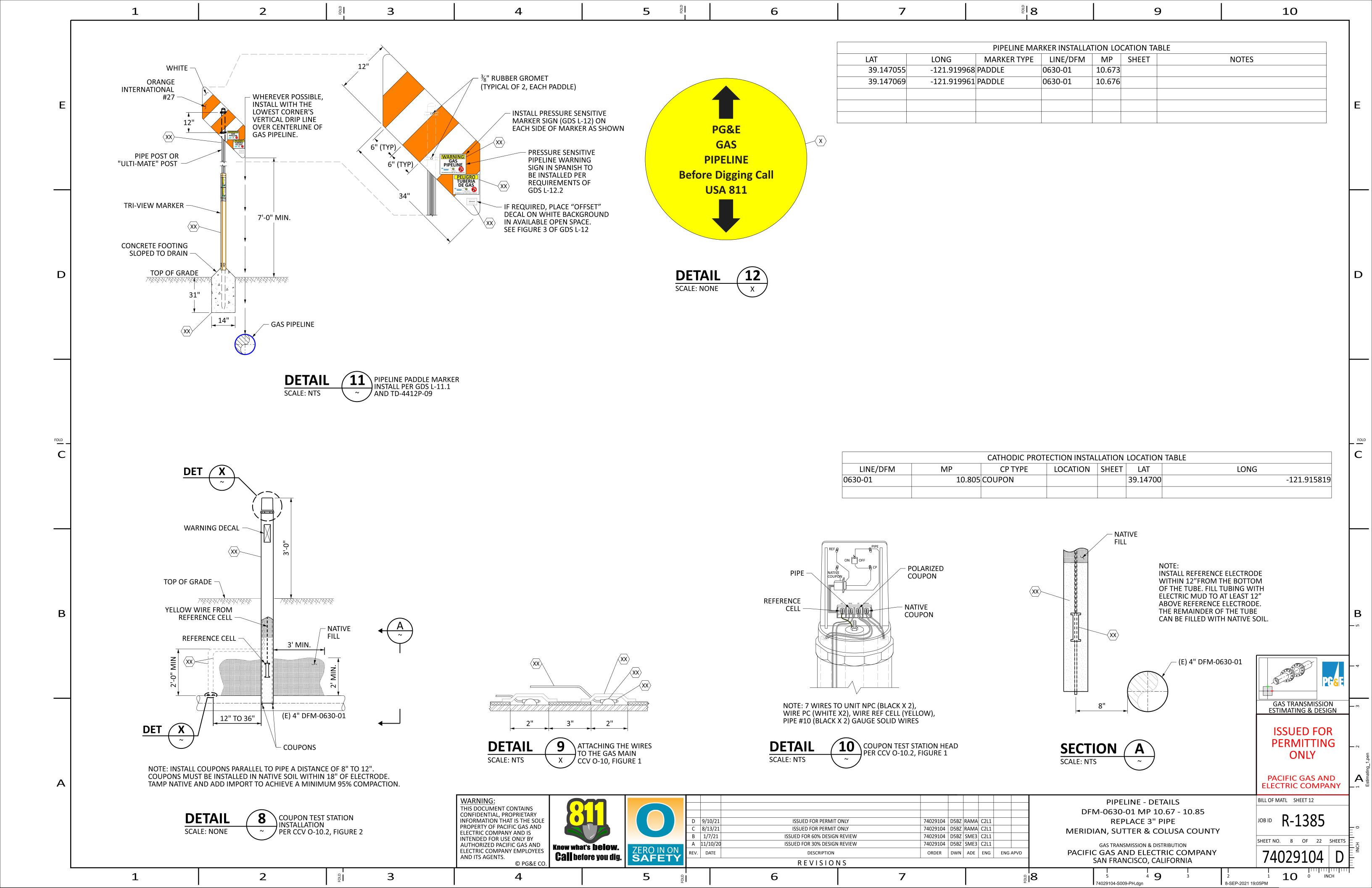


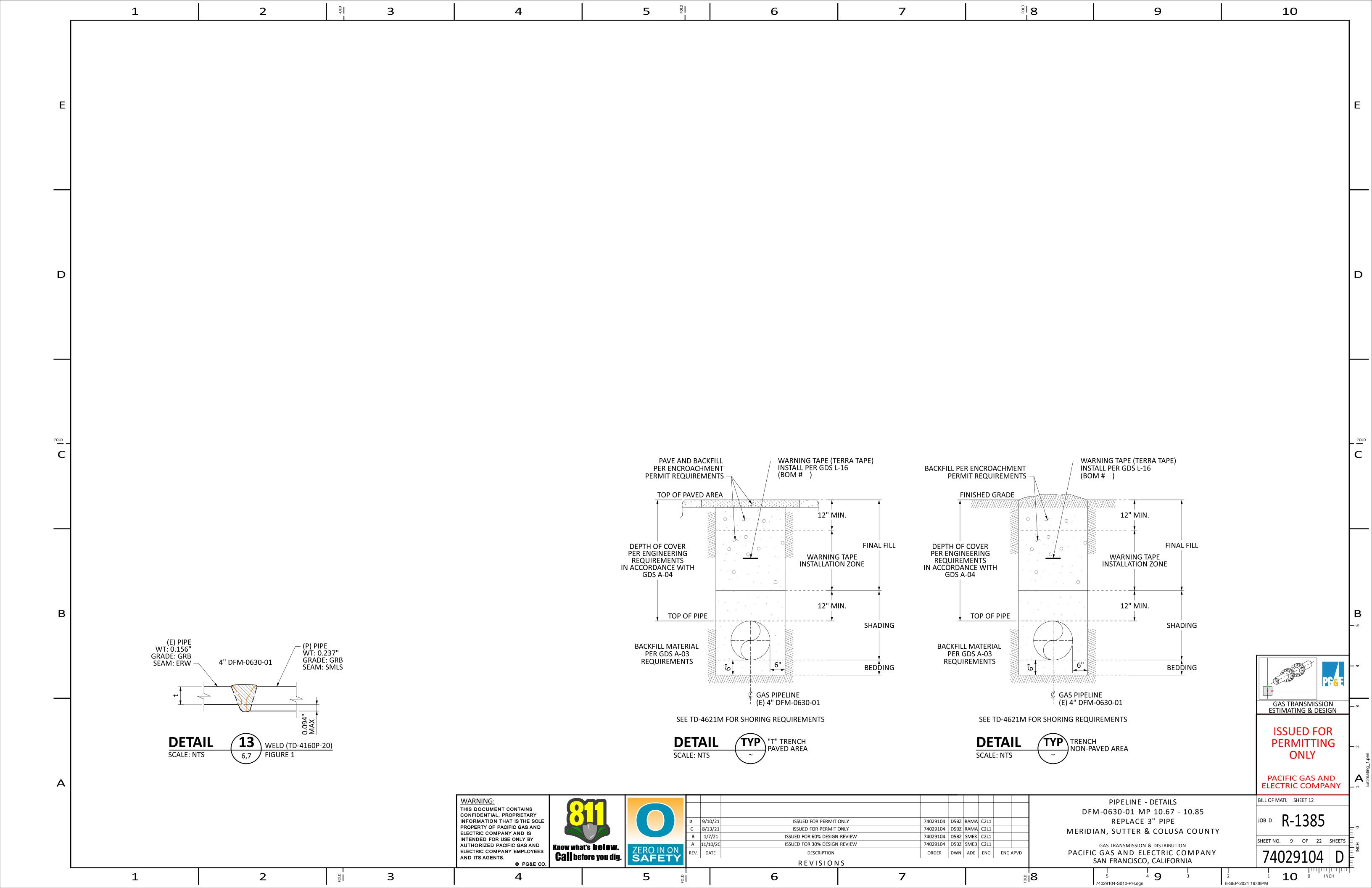


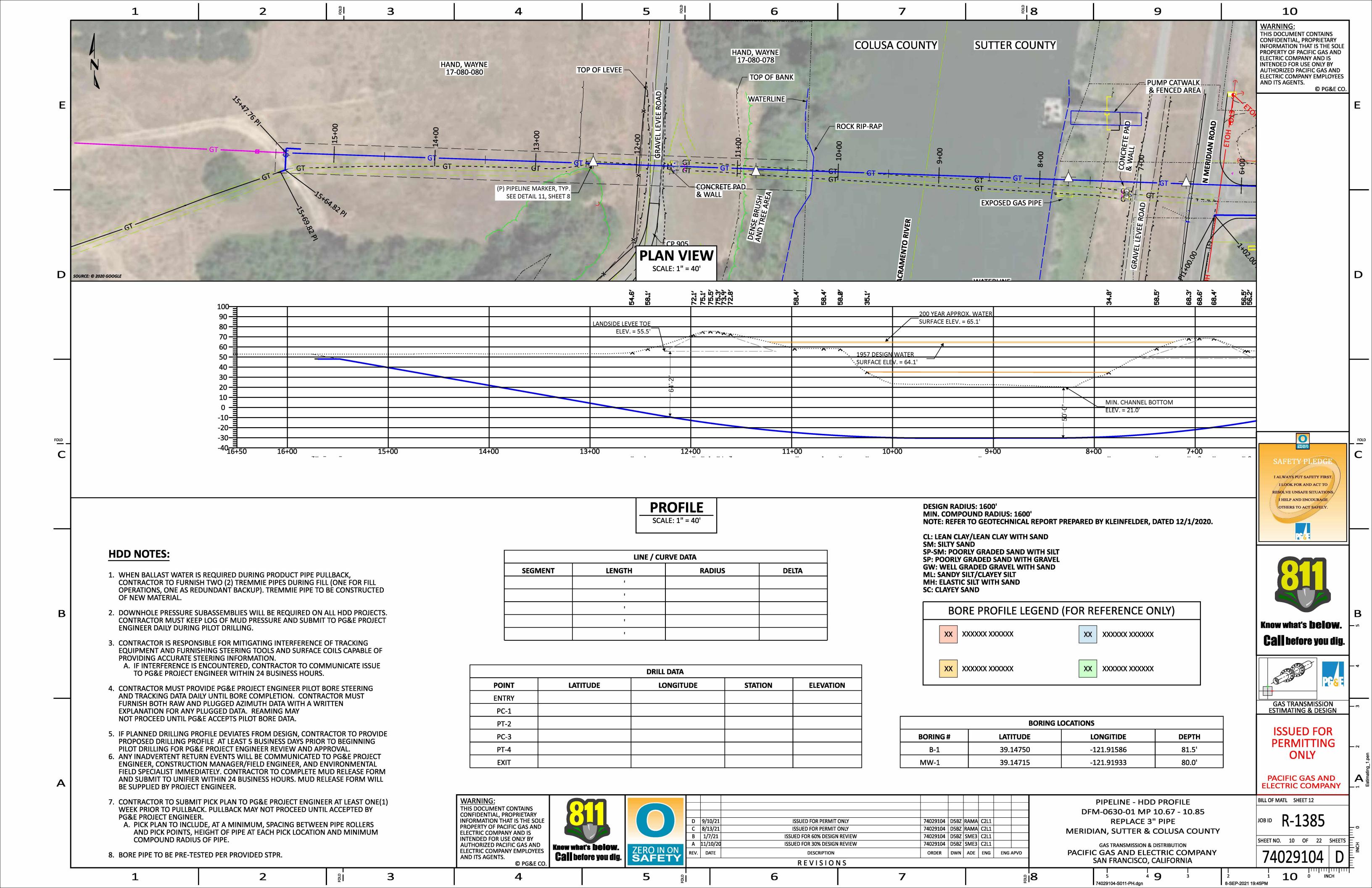


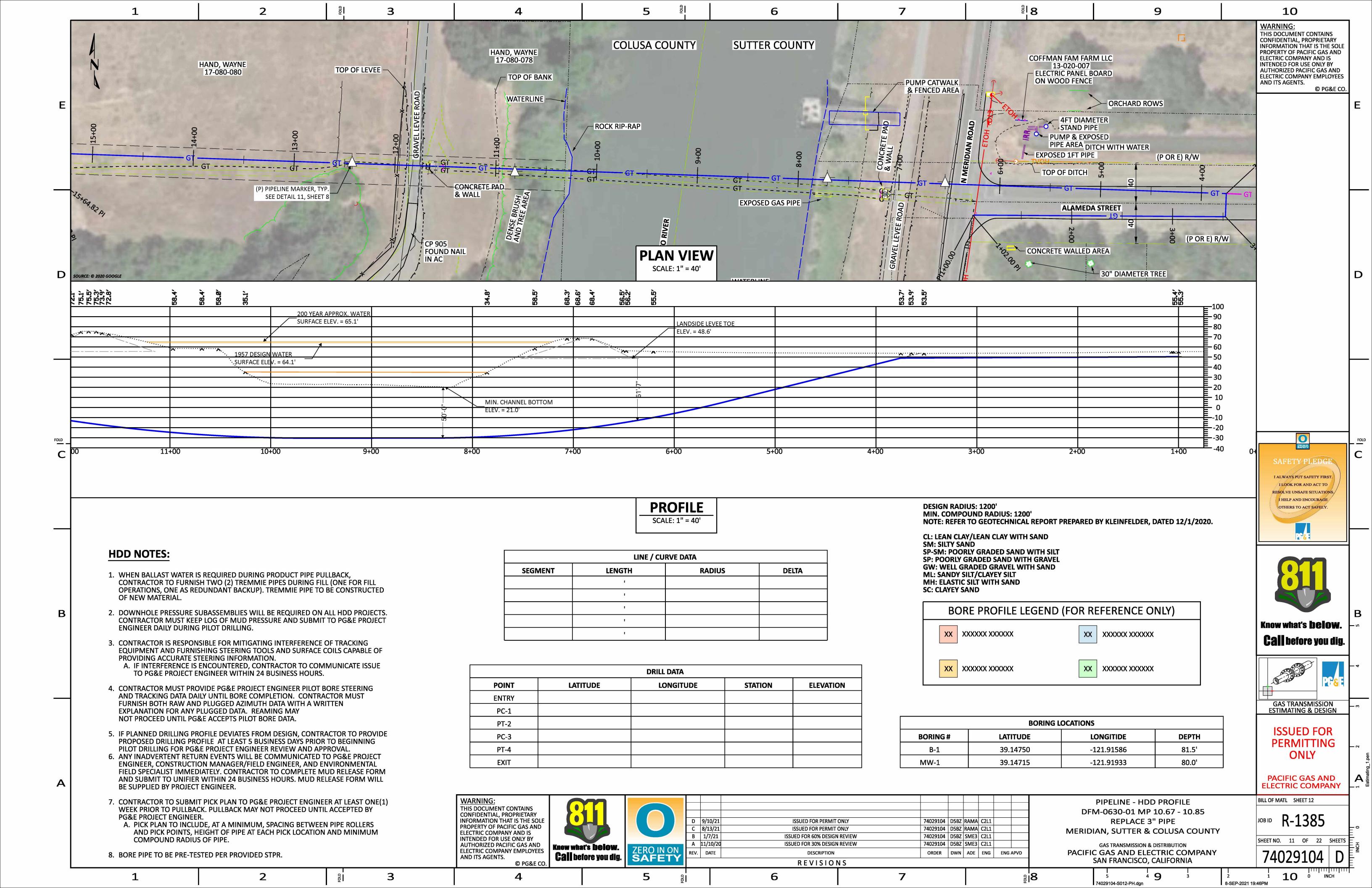


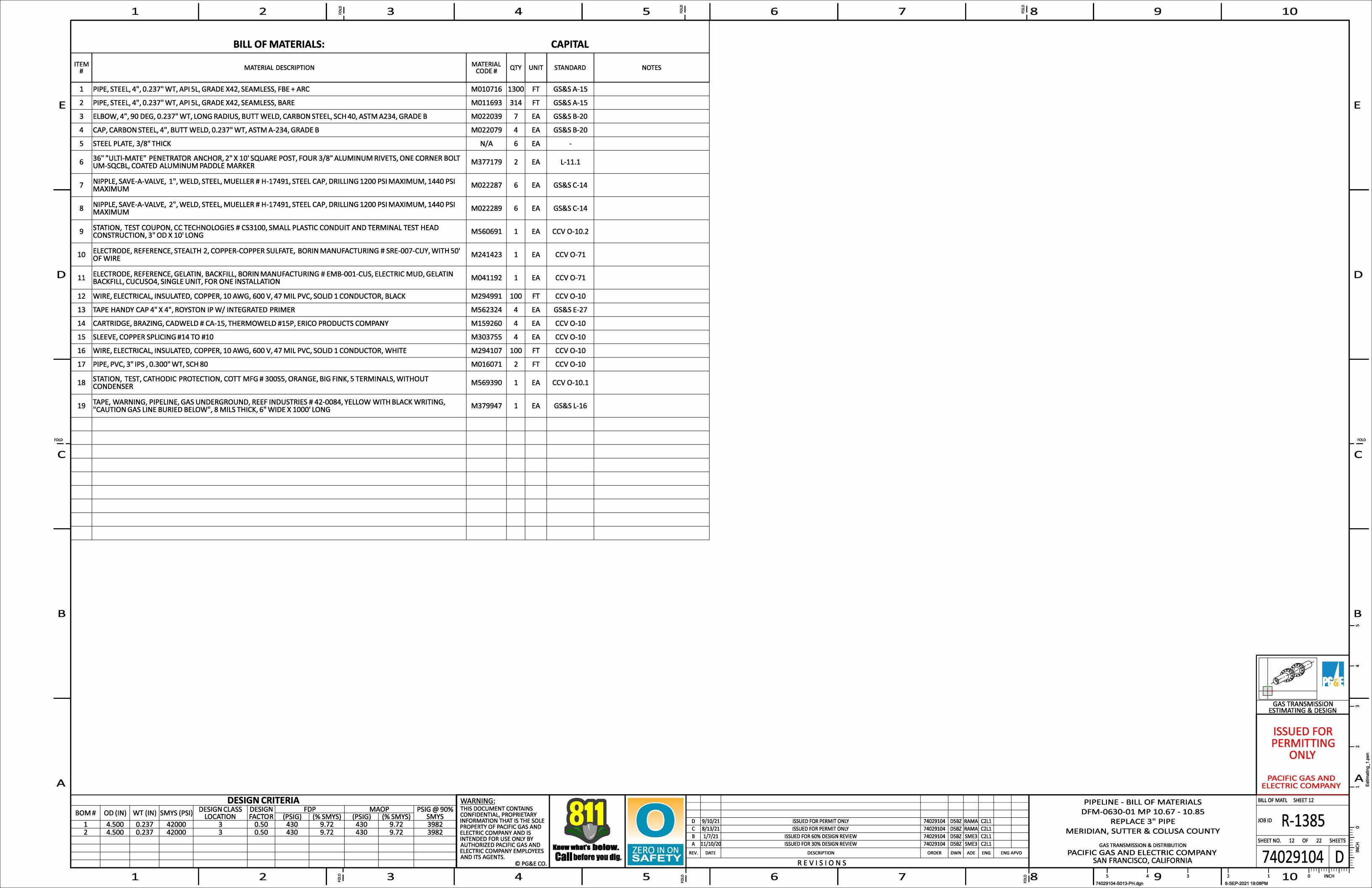


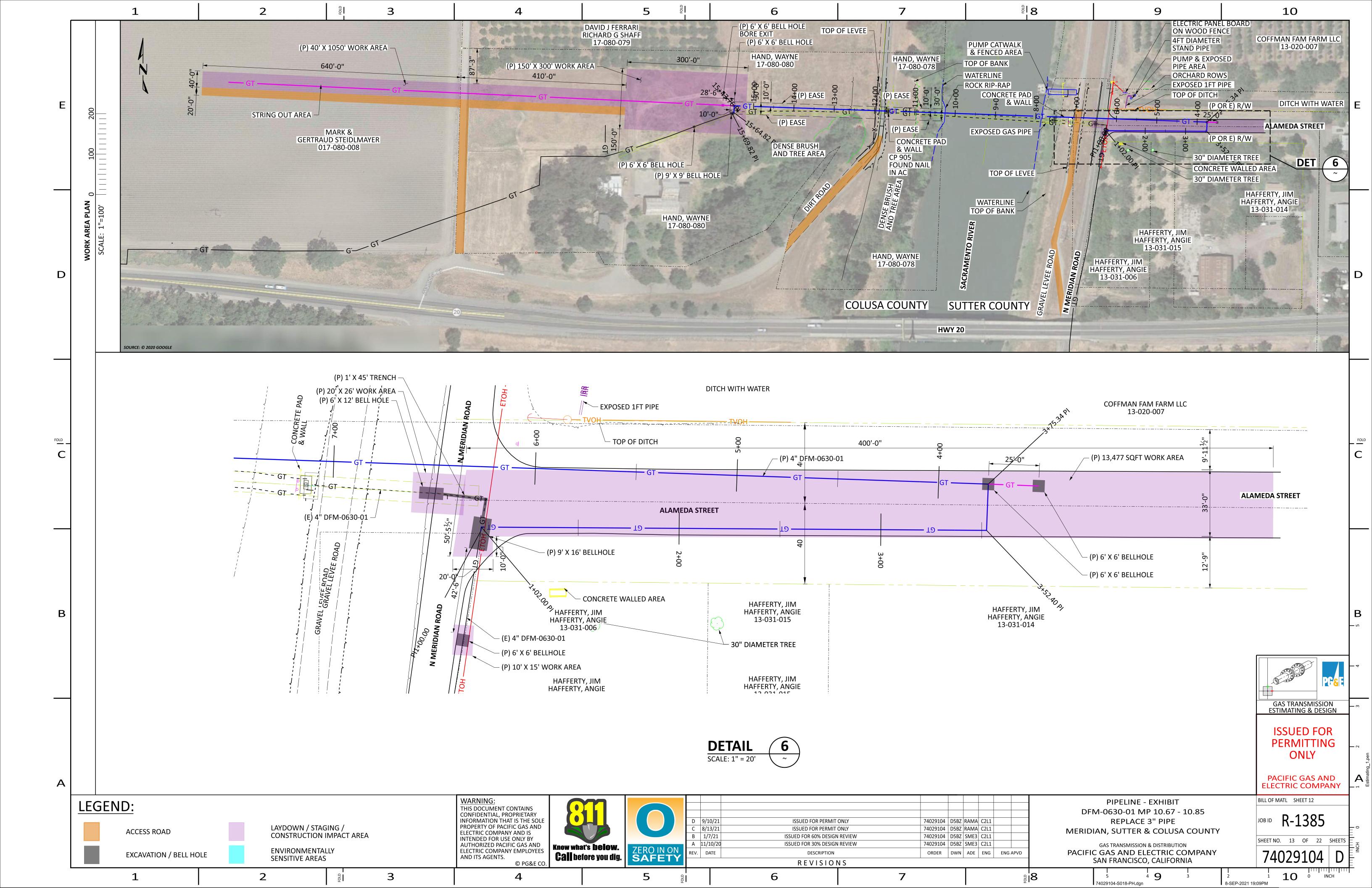


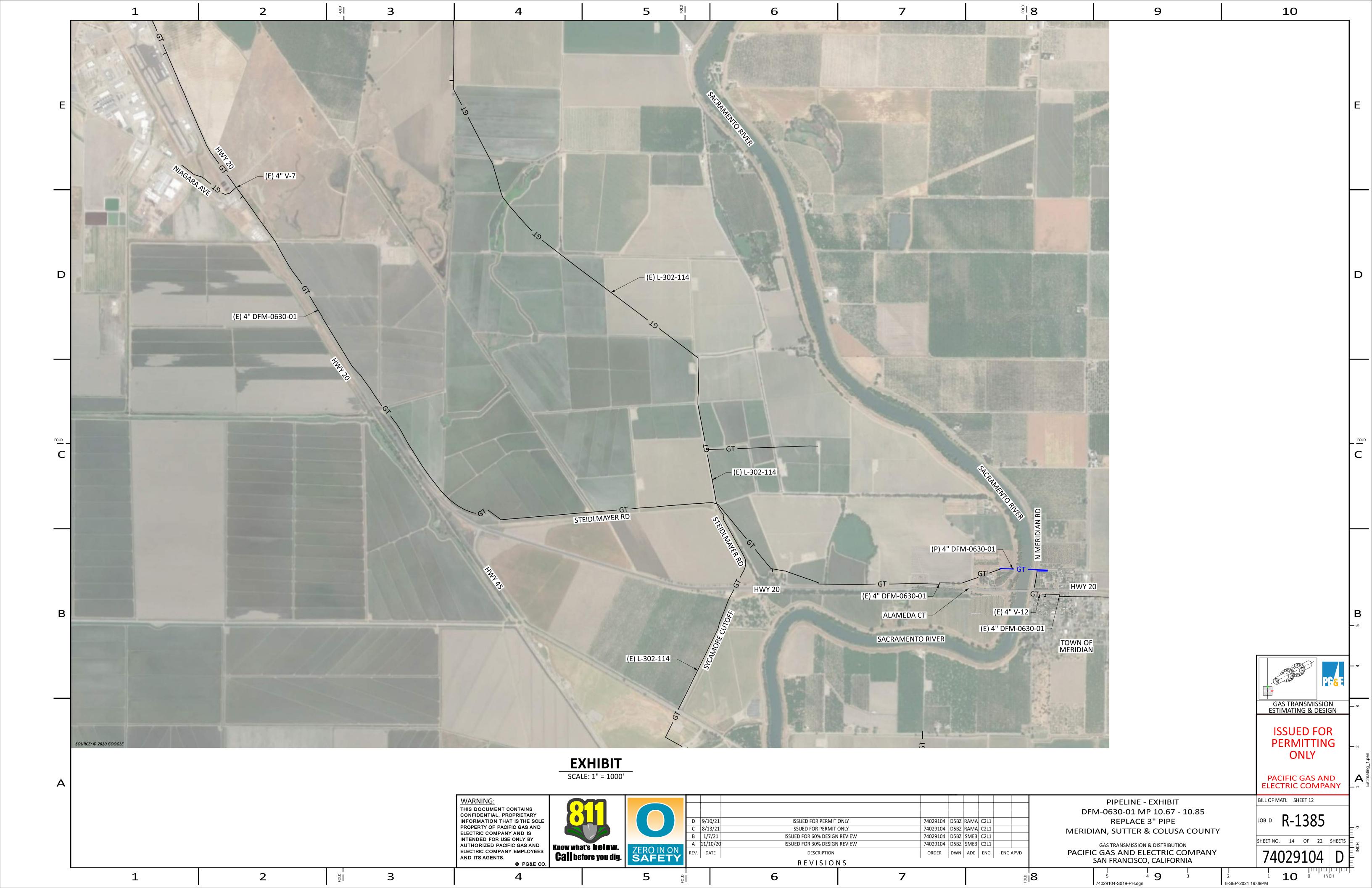


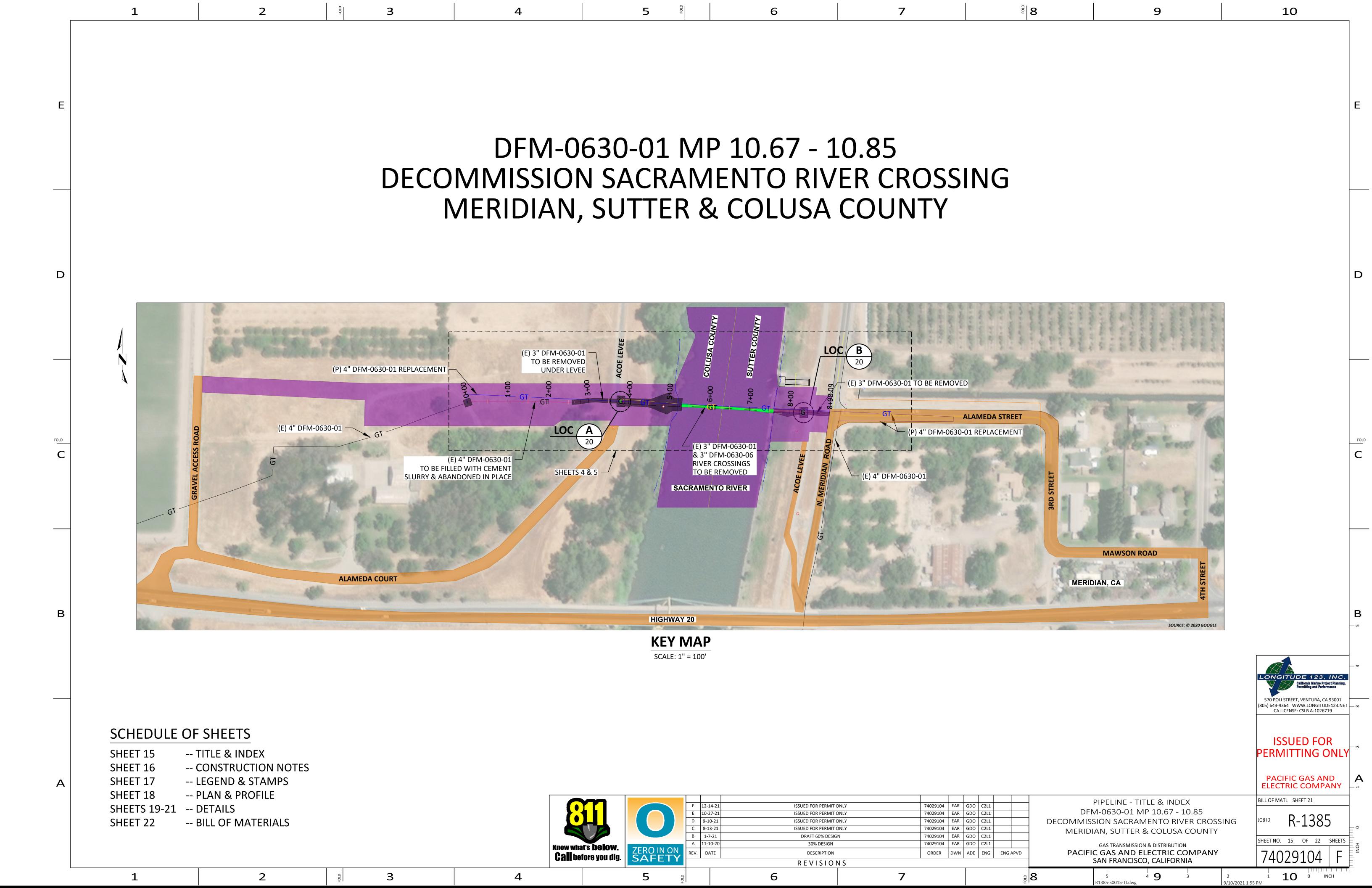












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