



DEPARTMENT OF THE ARMY
SAN FRANCISCO DISTRICT, U.S. ARMY CORPS OF ENGINEERS
450 GOLDEN GATE AVENUE
SAN FRANCISCO, CALIFORNIA 94102-3404

Operations and Readiness Division

PUBLIC NOTICE

**REQUEST FOR PERMISSION TO ALTER A U.S. ARMY CORPS OF ENGINEERS
PROJECT UNDER SECTION 408**

TITLE: Petaluma River – PG&E R-708 Pipeline Replacement Project, 408-SPN-2022-0004

Public notice comment period:
Begins: November 17, 2022
Ends: December 17, 2022

REQUESTER: In compliance with U.S.C. Title 33, Chapter 9, Subchapter 1, Section 408, Pacific Gas and Electric (PG&E) (requester) has requested permission through the City of Petaluma (non-federal sponsor of the federally authorized project) from the U.S. Army Corps of Engineers (USACE) to alter the Petaluma River Navigation Channel, an existing federal navigation project, authorized by the Rivers and Harbors Act of 1880.

LOCATION: The proposed project is located on the Petaluma River, in the City of Petaluma, Sonoma County, California.

REQUESTER'S PROPOSED ACTION: The Project includes installation of 1,852 feet of 16-inch steel natural gas transmission pipeline adjacent to an existing pipeline crossing. Approximately 492 feet of 16-inch steel pipe will be installed using open trench methods and approximately 1,360 feet of 16-inch steel pipe will be installed under the Petaluma River by horizontal directional drilling (HDD). To remove the existing pipeline river crossing, crews will also excavate the river banks to expose the existing pipelines and remove the pipes with barge mounted cranes.

ENVIRONMENTAL IMPACTS OF PROPOSED ACTION: The Petaluma River is a federal navigation channel that provides low-usage access for shallow, draft commercial barges and for the safe passage of recreational and fishing vessels. Ongoing activities that affect green sturgeon, steelhead, and their habitats are primarily maintenance dredging that historically occurred on average every 3-4 years, predominately conducted by private sector clamshell or pipeline dredge until 2003. From 2003 to 2020 there was a 17-year hiatus before dredging was performed in 2020.

USACE determined there is suitable habitat for federally listed species under the jurisdiction of the U.S. Fish and Wildlife Service (USFWS) or the National Marine

Fisheries Service (NMFS) in the vicinity of the project. Therefore, USACE determined there may be effects to federally listed species, designated critical habitat, or essential fish habitat under the jurisdiction of the USFWS and/or NMFS.

After an initial review, USACE has determined no eligible or potentially eligible cultural resources may be affected by the proposed project. USACE will initiate consultation with the State Historic Preservation Officer and Native American Tribes under Section 106 of the National Historic Preservation Act, as appropriate.

Upon review of the Section 408 application and other supporting documentation, USACE has made a preliminary determination that the project neither qualifies for a Categorical Exclusion nor requires the preparation of an Environmental Impact Statement for the purposes of NEPA.

AUTHORITY: The authority to grant permission for temporary or permanent use, occupation, or alteration of any USACE civil works project is contained in Section 14 of the Rivers and Harbors Act of 1899, as amended (33 U.S.C 408) ("Section 408"). Section 408 authorizes the Secretary of the Army, on the recommendation of the Chief of Engineers, to grant permission for the alteration or occupation or use of a USACE project if the Secretary determines that the activity will not be injurious to the public interest and will not impair the usefulness of the project. The Secretary of Army's authority under Section 408 has been delegated to the USACE, Chief of Engineers. The USACE Chief of Engineers has further delegated the authority to the USACE, Directorate of Civil Works and Division and District Engineers, depending upon the nature of the activity.

LIMITS OF SECTION 408 AUTHORITY: A requester has the responsibility to acquire all other permissions or authorizations required by federal, state, and local laws or regulations, including any required permits from the USACE Regulatory Program under Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403), Section 404 of the Clean Water Act (33 U.S.C. Section 1344), and/or Section 103 of the Marine Protection, Research and Sanctuaries Act of 1972 (33 U.S.C. 1413). In addition, an approval under Section 408 does not grant any property rights or exclusive privileges nor does it authorize any injury to the property or rights of others.

EVALUATION FACTORS: The decision whether to grant the requested permission for project alteration under Section 408 will be based on several factors. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. Review of requests for alteration will be reviewed by a USACE technical review team considering the following factors:

- 1) Impair the Usefulness of the Project Determination. The review team will determine if the proposed alteration would limit the ability of the USACE project to function as

authorized, or would compromise or change any authorized project conditions, purposes or outputs. In order for an alteration to be approved, the requester must demonstrate that the alteration does not impair the usefulness of the federally authorized project.

2) Injurious to the Public Interest Determination. Proposed alterations will be reviewed to determine the probable impacts, including cumulative impacts, on the public interest. Factors that may be relevant to the public interest evaluation depend upon the type of USACE project being altered and the nature of the proposed alteration and may include, but are not limited to, such things as conservation, economic development, historic properties, cultural resources, environmental impacts, water supply, water quality, flood hazards, floodplains, residual risk, induced damages, navigation, shore erosion or accretion, and recreation. This evaluation will consider information received from the interested parties, including tribes, agencies, and the public. The benefits that reasonably may be expected to accrue from the proposal must be compared against its reasonably foreseeable detriments. The decision whether to approve an alteration will be determined by the consideration of whether benefits are commensurate with risks and by the net impact of the alteration on the public interest using the public interest factors.

3) Environmental Compliance. A decision on a Section 408 request is a federal action, and therefore subject to the National Environmental Policy Act (NEPA) and other environmental compliance requirements. While USACE is responsible for ensuring environmental compliance, the requester is responsible for providing all information that the San Francisco District identifies as necessary to satisfy all applicable federal laws, executive orders, regulations, policies, and procedures. NEPA and other analysis completed to comply with other environmental statutes (e.g. Endangered Species Act) should be commensurate with the scale and potential effects of the activity that would alter the USACE project. The San Francisco District will work with the requester to determine the requirements, which will be scaled to the likely impacts of the proposed alteration and should convey the relevant considerations and impacts in a concise and effective manner. The final NEPA analysis will normally address the direct, indirect, and cumulative impacts that result from activities resulting in the temporary or permanent use, occupation, or alteration of any USACE civil works project. The final NEPA analysis will be incorporated in the decision documentation that provides the rationale for issuing or denying a Section 408 permission for the project. The final NEPA analysis and supporting documentation will be on file with the San Francisco District, Operations and Readiness Division.

PUBLIC INVOLVEMENT: The purpose of this notice is to solicit comments from the public; federal, state, and local agencies and officials; tribes; and other interested parties regarding the Petaluma River – PG&E R-708 Pipeline Replacement Project, a proposed alteration to an existing federally authorized project. Comments received within 30 days of publication of this notice will be used in the evaluation of potential impacts of the proposed action on important resources and in the evaluation of whether the proposed alteration would be injurious to the public interest and/or would impair the usefulness of the

authorized project. Only the specific activities that have the potential to occupy, use or alter the Petaluma River Federal Navigation Channel will be evaluated. Please limit comments to the area of the alteration and those adjacent areas that would be directly or indirectly affected by the alteration to the Petaluma River Federal Navigation Channel. Please note that all comment letters received are subject to release to the public through the Freedom of Information Act.

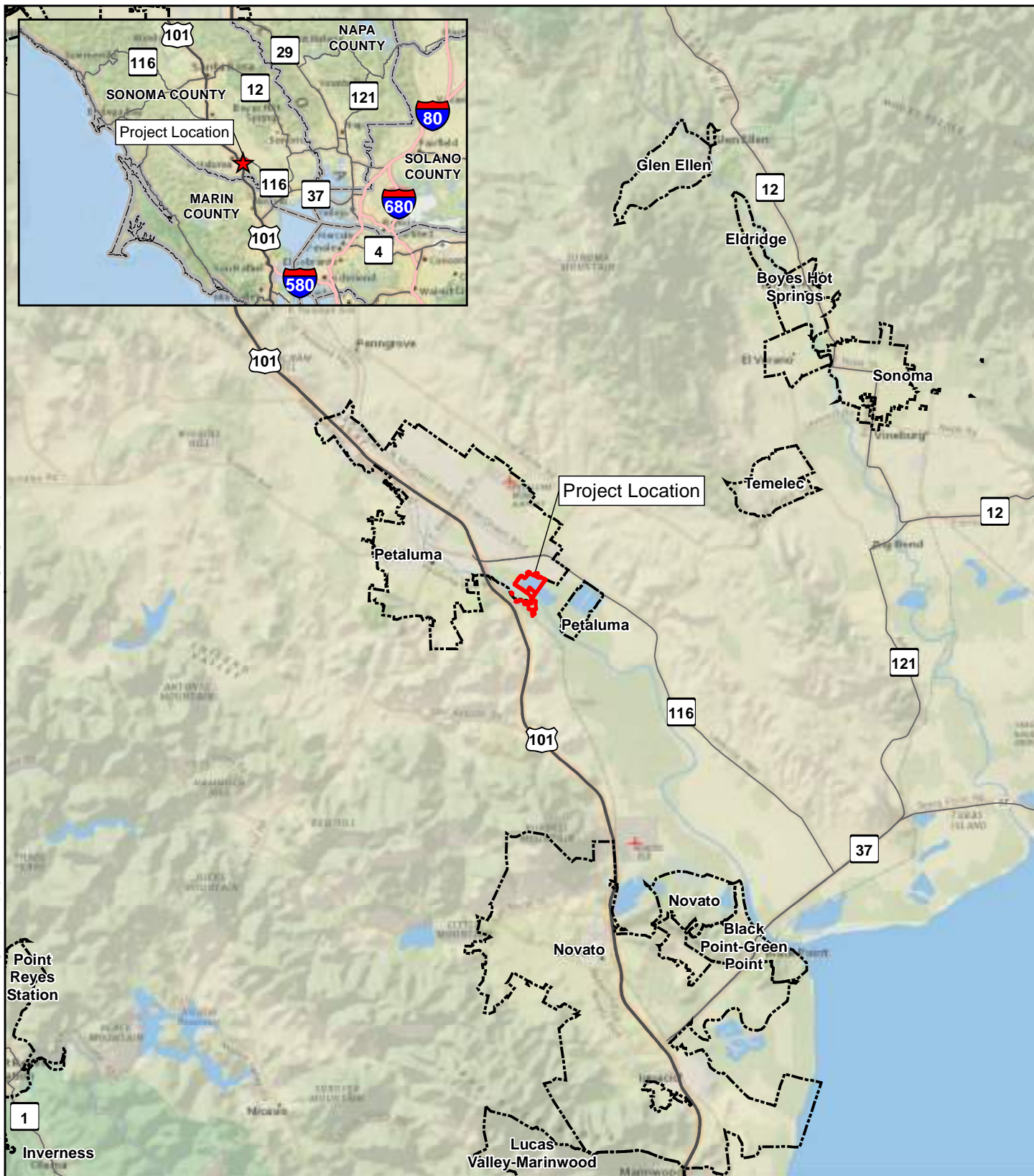
SUBMITTING COMMENTS: Written comments, referencing 408-SPN-2022-0004 must be submitted to the office listed below on or before December 17, 2022.

Jessica Vargas, 408 Coordinator
U.S. Army Corps of Engineers, San Francisco District
Operations and Readiness Division
450 Golden Gate Avenue, 4th Floor, Room 1111
San Francisco, California 94102-3404

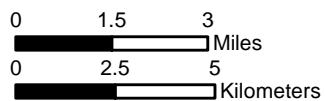
Email: *spn.operationsdivision@usace.army.mil*

ATTACHMENTS: Project vicinity map, location map, and proposed project footprint in relation to federal project.

Created By: C.BARKER@SWITZER Document Path: \\azg1at0p01\GIS\Projects\ClemGAND\WPGE\07062000_74001640_Petaluma\Petaluma_Webland_Fig1_Regional_Vicinity.mxd



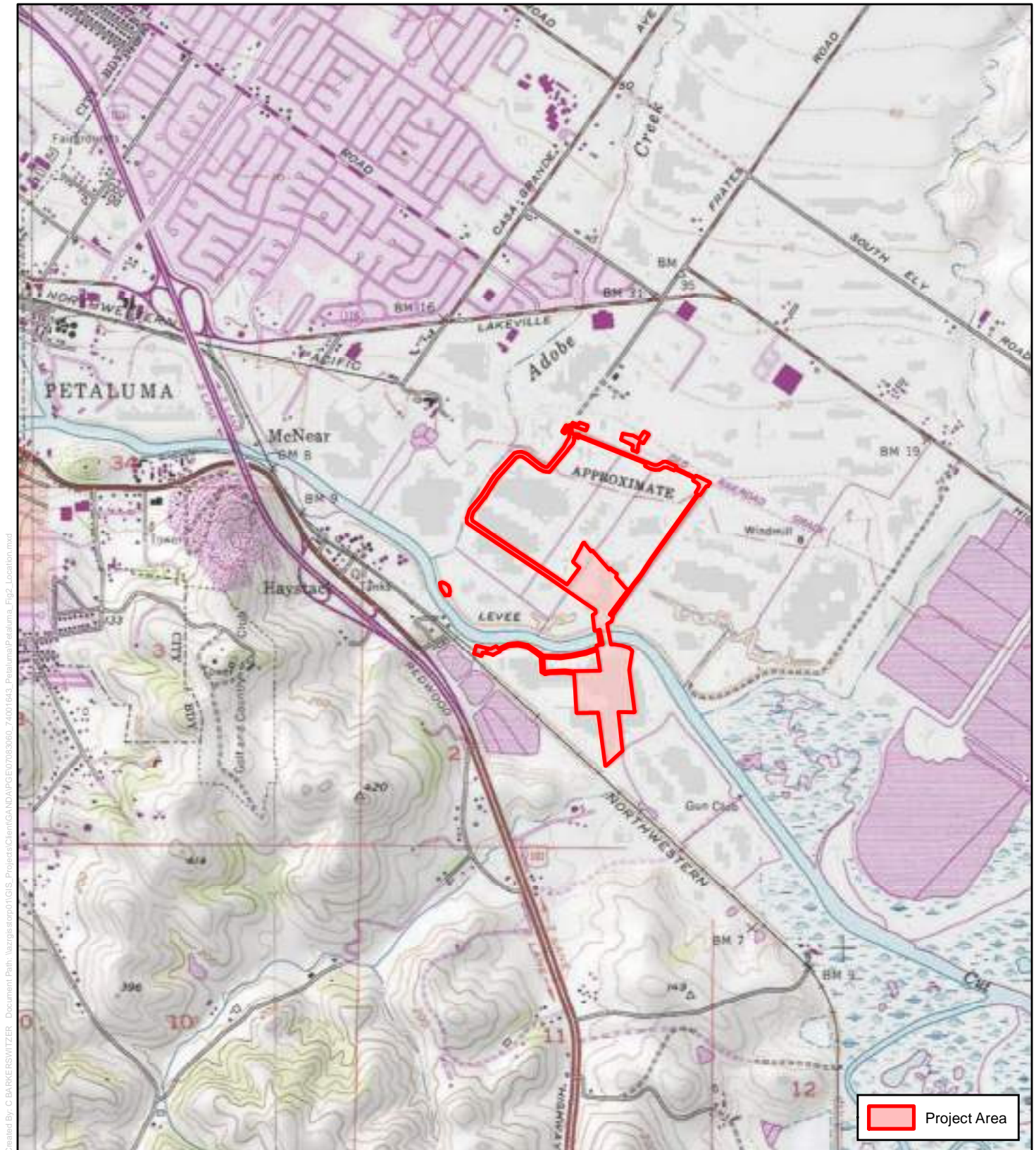
Source: Bing Maps



N
Scale 1:190,080
1 in = 3 miles

Figure 1. Regional Vicinity
R-708 L-021G Replacement Project
Sonoma County, California





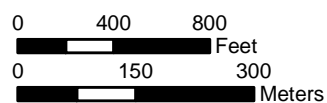
USGS 7.5' Quad: PETALUMA RIVER (1980)
Legal Description: Land Grant PETALUMA

0 1,000 2,000
Feet
0 300 600
Meters

N
Scale 1:24,000
1 Inch = 2,000 Feet

Figure 2. Project Location
R-708 Gas Line 021G
Replacement Project
Sonoma County, California





N
Scale 1:9,600
1 Inch = 800 Feet

Figure 3. Project Layout and Photo Points
R-708 Gas Line 021G
Replacement Project
Sonoma County, California



L-021G MP 2.46 - 2.66
REPLACE 12" & 16" PIPE
PETALUMA, SONOMA COUNTY



SCHEDULE OF SHEETS

- SHEET 1 -- TITLE & INDEX
- SHEET 2 -- CONSTRUCTION NOTES
- SHEET 3 -- LEGEND & STAMPS
- SHEET 4-5 -- POTHOLE SHEET
- SHEET 6-7 -- PLAN & PROFILE
- SHEET 8 -- HDD PROFILE
- SHEET 9-11 -- DETAILS
- SHEET 12 -- BILL OF MATERIALS
- SHEET 13-15 -- ABANDONMENT SHEET

KEY MAP

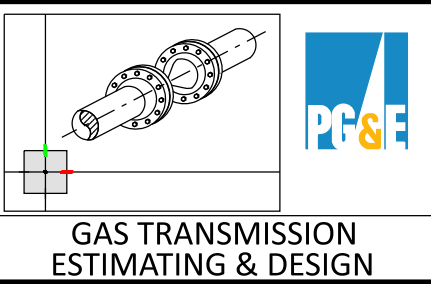
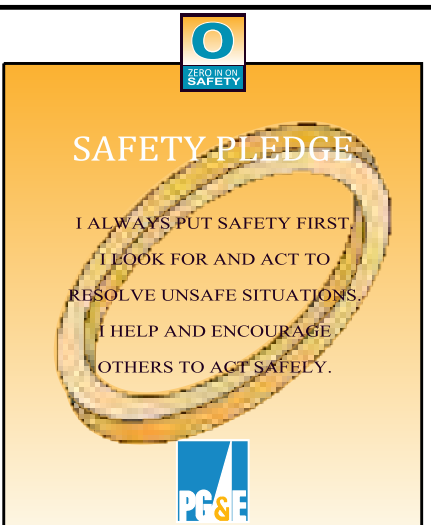
SCALE: 1" = 120'

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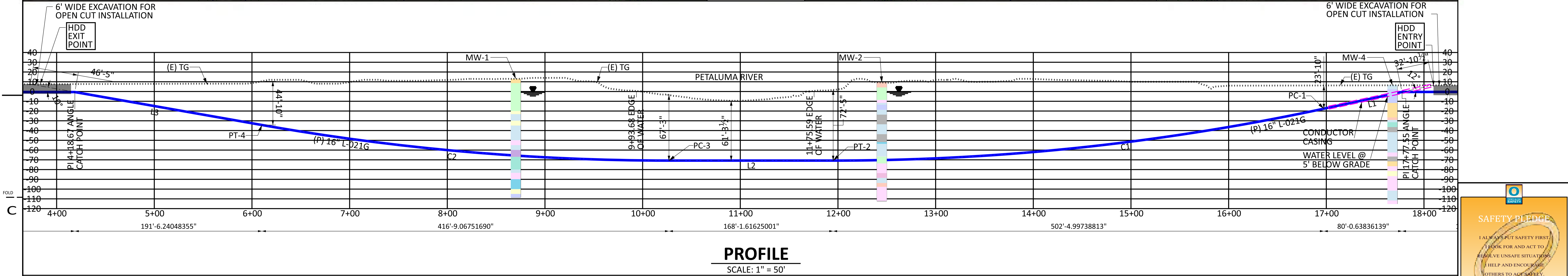
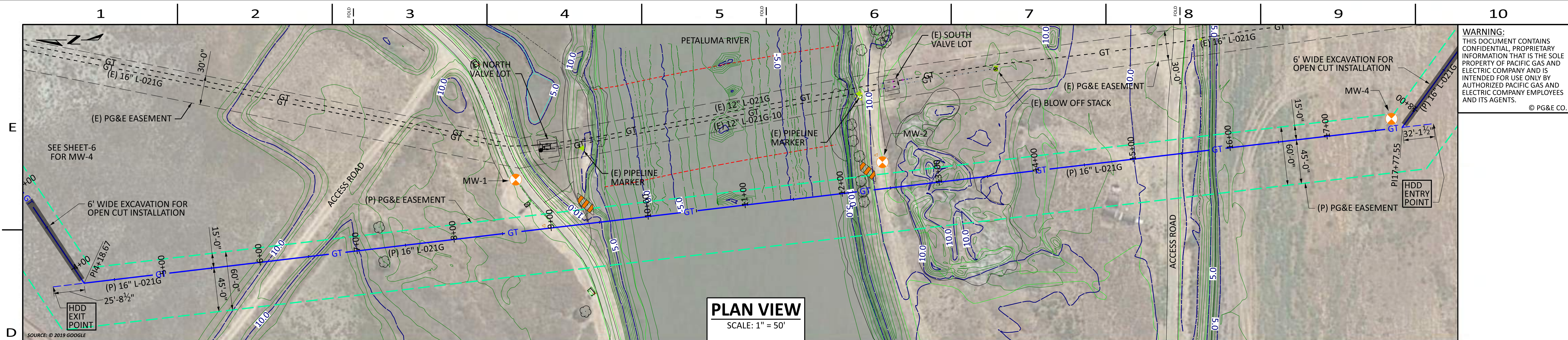
REV.	DATE	DESCRIPTION	ORDER	DWN	ADE	ENG	LEAD	ENG APVD
G	12/9/21	REVISED AND RE-ISSUED FOR PERMITTING	74001643	DSBZ	RWD3	K1PX		
F	2/5/2020	ISSUED FOR PERMITTING ONLY	74001643	DSBZ	SME3	K1PX		

PIPELINE - TITLE & INDEX
L- 021G MP 2.46 - 2.66
REPLACE 12" & 16" PIPE
PETALUMA, SONOMA COUNTY
GAS TRANSMISSION & DISTRIBUTION
PACIFIC GAS AND ELECTRIC COMPANY
SAN FRANCISCO, CALIFORNIA



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BILL OF MATL	SHEET 12
JOB ID	R-708
SHEET NO.	1 OF 15 SHEETS
74001643	G



HDD NOTES:

- WHEN BALLAST WATER IS REQUIRED DURING PRODUCT PIPE PULLBACK, CONTRACTOR TO FURNISH TWO (2) TREMMIE PIPES DURING FILL (ONE FOR FILL OPERATIONS, ONE AS REDUNDANT BACKUP). TREMMIE PIPE TO BE CONSTRUCTED OF NEW MATERIAL.
- DOWNHOLE PRESSURE SUBASSEMBLIES WILL BE REQUIRED ON ALL HDD PROJECTS. CONTRACTOR MUST KEEP LOG OF MUD PRESSURE AND SUBMIT TO PG&E PROJECT ENGINEER DAILY DURING PILOT DRILLING.
- CONTRACTOR IS RESPONSIBLE FOR MITIGATING INTERFERENCE OF TRACKING EQUIPMENT AND FURNISHING STEERING TOOLS AND SURFACE COILS CAPABLE OF PROVIDING ACCURATE STEERING INFORMATION.
 - IF INTERFERENCE IS ENCOUNTERED, CONTRACTOR TO COMMUNICATE ISSUE TO PG&E PROJECT ENGINEER WITHIN 24 BUSINESS HOURS.
- CONTRACTOR MUST PROVIDE PG&E PROJECT ENGINEER PILOT BORE STEERING AND TRACKING DATA DAILY UNTIL BORE COMPLETION. CONTRACTOR MUST FURNISH BOTH RAW AND PLUGGED AZIMUTH DATA WITH A WRITTEN EXPLANATION FOR ANY PLUGGED DATA. REAMING MAY NOT PROCEED UNTIL PG&E ACCEPTS PILOT BORE DATA.
- IF PLANNED DRILLING PROFILE DEVIATES FROM DESIGN, CONTRACTOR TO PROVIDE PROPOSED DRILLING PROFILE AT LEAST 5 BUSINESS DAYS PRIOR TO BEGINNING PILOT DRILLING FOR PG&E PROJECT ENGINEER REVIEW AND APPROVAL.
- ANY INADVERTENT RETURN EVENTS WILL BE COMMUNICATED TO PG&E PROJECT ENGINEER, CONSTRUCTION MANAGER/FIELD ENGINEER, AND ENVIRONMENTAL FIELD SPECIALIST IMMEDIATELY. CONTRACTOR TO COMPLETE MUD RELEASE FORM AND SUBMIT TO UNIFIER WITHIN 24 BUSINESS HOURS. MUD RELEASE FORM WILL BE SUPPLIED BY PROJECT ENGINEER.
- CONTRACTOR TO SUBMIT PICK PLAN TO PG&E PROJECT ENGINEER AT LEAST ONE(1) WEEK PRIOR TO PULLBACK. PULLBACK MAY NOT PROCEED UNTIL ACCEPTED BY PG&E PROJECT ENGINEER.
 - PICK PLAN TO INCLUDE, AT A MINIMUM, SPACING BETWEEN PIPE ROLLERS AND PICK POINTS, HEIGHT OF PIPE AT EACH PICK LOCATION AND MINIMUM COMPOUND RADIUS OF PIPE.
- BORE PIPE TO BE PRE-TESTED PER PROVIDED STPR.

LINE / CURVE DATA			
SEGMENT	PIPE LENGTH	RADIUS	DELTA
L1	81.87'		
C1	506.16'	2,400'	12°
L2	168.14'		
C2	418.88'	2,400'	10°
L3	194.48'		

DRILL DATA				
POINT	LATITUDE	LONGITUDE	H STATION	ELEVATION
ENTRY	38°13'07.97"	-122°35'47.58"	N/A	6.41'
PC-1	38°13'09.08"	-122°35'47.75"	16+97.50	-17.60'
PT-2	38°13'14.00"	-122°35'48.53"	11+95.08	-70.78'
PC-3	38°13'15.65"	-122°35'48.79"	10+26.95	-70.78'
PT-4	38°13'19.74"	-122°35'49.44"	6+10.19	-34.32'
EXIT	38°13'22.07"	-122°35'49.81"	N/A	7.51'

BORE PROFILE LEGEND (FOR REFERENCE ONLY)			
SL SANDY LEAN CLAY	LC LEAN CLAY	SS SILTY SAND	
CS CLAYEY SAND	FC FAT CLAY	SG SILTY SAND WITH GRAVEL	
SFC SANDY FAT CLAY	LCS LEAN CLAY WITH SAND	PGS POORLY GRADED SAND WITH SILT	
SLC SANDY LEAN CLAY	WG WELL GRADED SAND WITH SLIT	SWS SILT WITH SAND	
S SANDY SILT	CSG CLAYEY SAND WITH GRAVEL	SFC SOFT FAT CLAY WITH ORGANICS	

BORING LOCATIONS			
BORING #	LATITUDE	LONGITUDE	DEPTH
MW-1	38°13'17.26"	-122°35'48.37"	121.5'
MW-2	38°13'13.55"	-122°35'48.12"	121.5'
MW-3	38°13'22.84"	-122°35'49.24"	121.5'
MW-4	38°13'08.40"	-122°35'47.51"	121.5'

DESIGN RADIUS: 2,400'
MIN. COMPOUND RADIUS: 1,800'

NOTE: REFER TO GEOTECHNICAL REPORT PREPARED BY KLEINFELDER, DATED JUNE 28, 2019.

PIPELINE - HDD PROFILE
L- 021G MP 2.46 - 2.66
REPLACE 12" & 16" PIPE
PETALUMA, SONOMA COUNTY

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REV.	DATE	DESCRIPTION	ORDER	DWN	ADE	ENG	LEAD	ENG	APVD
G	12/9/21	REVISED AND RE-ISSUED FOR PERMITTING	74001643	DSBZ	RWD3	K1PX			
F	2/5/2020	ISSUED FOR PERMITTING ONLY	74001643	DSBZ	SME3	K1PX			

REVISIONS

SAFETY PLEDGE

I ALWAYS PUT SAFETY FIRST!
I LOOK FOR AND ACT TO RESOLVE UNSAFE SITUATIONS.
I HELP AND ENCOURAGE OTHERS TO ACT SAFELY.

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GAS TRANSMISSION ESTIMATING & DESIGN

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BILL OF MATL SHEET 12

JOB ID R-708

SHEET NO. 8 OF 15 SHEETS

74001643 G

9-DEC-2021 18:50PM