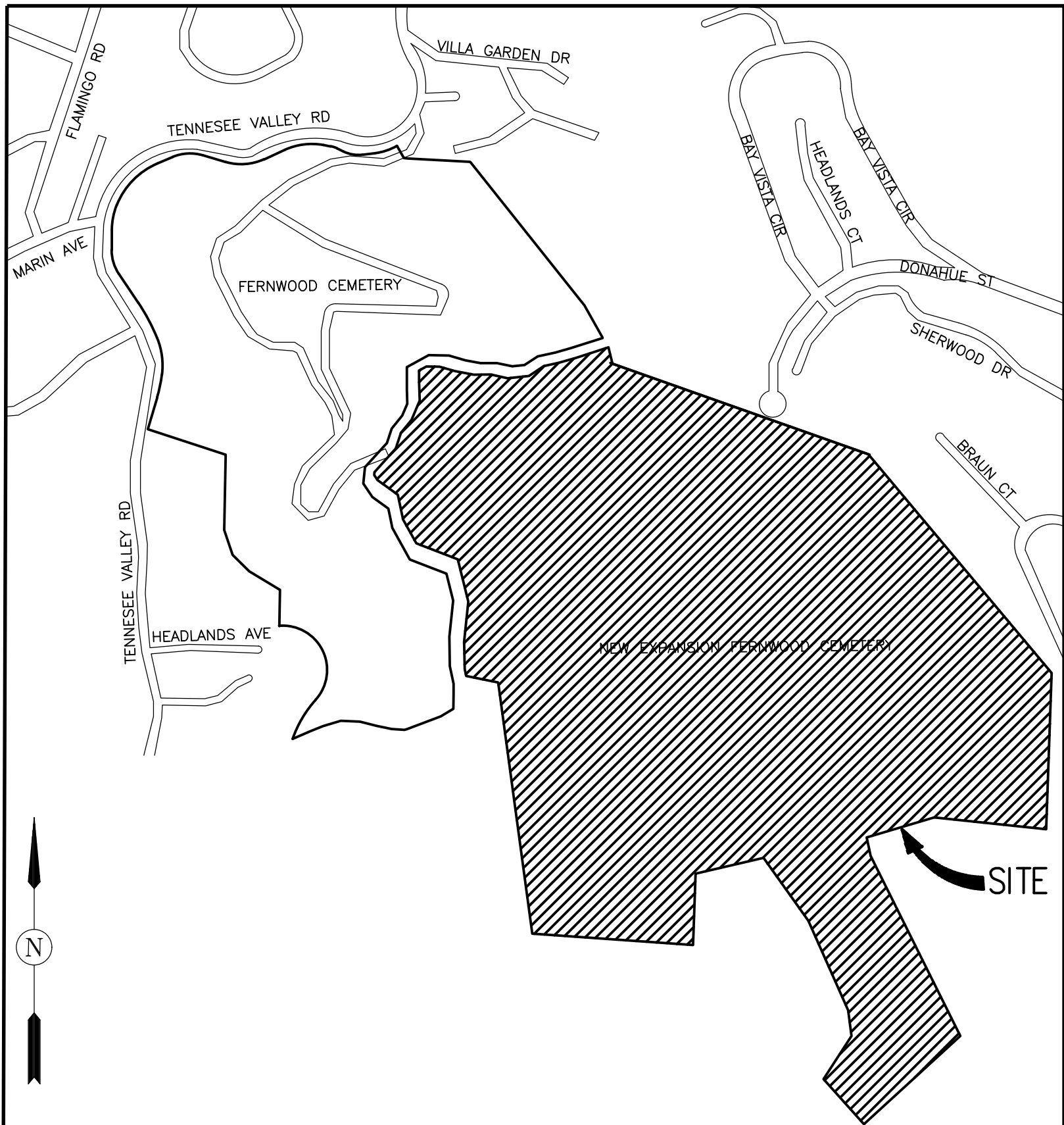


J.9 | MEP

- **WRO Gas Main Relocation**
(Composite and Design)
- **WRO Gas Main Relocation – PG&E Transmittal**
(Approval)
- **Joint Trench Composite**
(Existing Conditions)
- **Joint Trench Composite** (Preliminary Design)

FERNWOOD CEMETERY-GAS MAIN RELOCATION
301 TENNESSEE VALLEY RD
MILL VALLEY MARIN COUNTY CALIFORNIA



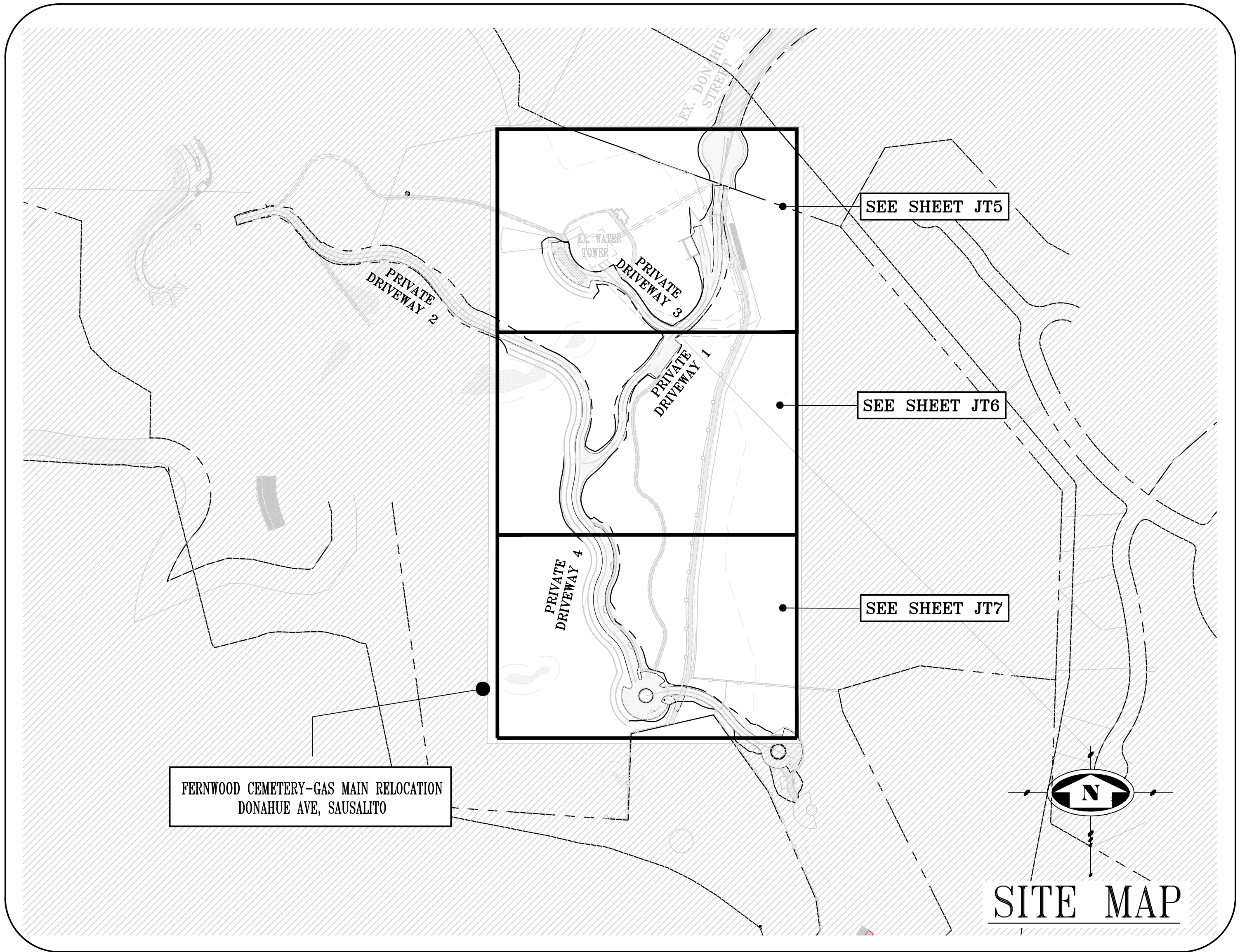
VICINITY MAP
NOT TO SCALE

SHEET INDEX

SHEET NO.	DESCRIPTION
JT1A	JOINT TRENCH COMPOSITE TITLE SHEET
JT2A	JOINT TRENCH GENERAL NOTES AND DETAILS
JT3A	JOINT TRENCH DETAILS
JT4A	JOINT TRENCH SECTIONS AND DETAILS
JT5A-JT7A	JOINT TRENCH COMPOSITE PLAN

1,720 L.F. OF TRENCH SHALL
BE INSTALLED WITH THIS GAS TRENCH PLAN SET

1 RELOCATION OF EXISTING 10" MAIN GAS LINE



LEGEND	
EX JT	EXISTING JOINT TRENCH
GAS	PROPOSED GAS
EX GAS	EXISTING GAS
EEUG	EXISTING UNDERGROUND ELECTRIC LINES
EUUG	EXISTING UNDERGROUND UTILITY LINES
EUOH	EXISTING OVERHEAD UTILITY LINES
BELLHOLE, 6' x 8'	
XX-X'	JOINT TRENCH LABEL, XX INDICATES SECTION NUMBER-X' INDICATES TRENCH SECTION LENGTH
PG&E SKETCH LOCATION NUMBER	
DESIGNATES UTILITY LINES TO BE REMOVED	
EXISTING PRIMARY SPLICE BOX	
EXISTING SECONDARY SPLICE BOX	
PROPOSED GAS LINE STAKING	
EXISTING TREE TO BE REMOVED	
EXISTING NON-PROTECTED TREE	
EXISTING PROTECTED TREE	
EXISTING HERITAGE TREE	
EXISTING TREE-DEAD	

TARRAR UTILITY REP.:	KHALID TARRAR	JOB NO.	225066A	PHONE NO.	(925) 240-2595
DEVELOPER:	HEATHER LENEHAN	JOB NO.	225066A	PHONE NO.	(415) 383-7100
PG&E ELECTRIC COORDINATOR:	-	JOB NO.	-	PHONE NO.	-
PG&E GAS COORDINATOR:	RAE STEVENSON	JOB NO.	PM#35677670	PHONE NO.	(925) 586-9557
TELEPHONE REP.:	-	JOB NO.	-	PHONE NO.	-
CABLE T.V. REP.:	-	JOB NO.	-	PHONE NO.	-

FILES STATUS			
DESCRIPTION:	BY:	DATE:	STATUS:
CIVIL PLANS (ELECTRONIC FILE)	ADOBE ASSOCIATES	05-20-2025	R
ARCHITECTURAL PLANS (ELECTRONIC FILE)	CARL PEARSON	05-22-2025	R
LANDSCAPE PLANS (ELECTRONIC FILE)	INTEGRATED DESIGN STUDIO	09-11-2025	R
GAS DESIGN	TARRAR UTILITY CONSULTANTS	12-23-2025	A
ELECTRIC DESIGN	TARRAR UTILITY CONSULTANTS	-	-
TELEPHONE INTENT REPLY	-	-	-
CATV INTENT REPLY	-	-	-
STREET LIGHT PLANS - PUBLIC	-	-	-
STREET LIGHT PLANS - PRIVATE	TARRAR UTILITY CONSULTANTS	-	-
SOILS REPORT	-	-	-

A = APPROVED • ANS = APPROVED NOT SIGNED • NA = NOT APPROVED • F = FIRST SUBMITTAL • SS = SECOND SUBMITTAL • R = RECEIVED

TARRAR UTILITY CONSULTANTS
APPROVED FOR SUBMITTAL
HAIDER KAMMOONAH
QUALIFIED APPLICANT DESIGN ENGINEER

DESIGN CHANGE COMPONENT

ANY CHANGES TO THIS DESIGN
MUST BE APPROVED BY
ESTEBAN MAGANA (925) 499-6831
PG&E GAS ADE

SUBSTRUCTURE VERIFICATION STAMP

DEVELOPER NOTE AND SIGN

ALL PG&E ENCLOSURES AND BOXES HAVE BEEN SET TO GRADE
ACCORDING TO GRADE STAKES PROVIDED BY DEVELOPERS ENGINEER.
ALL COSTS TO RELOCATE OR READJUST BOXES AT A LATER DATE
WILL BE BILLED TO THE DEVELOPER. PLEASE HAVE YOUR JOB SUPT.
VERIFY THE CORRECT GRADE OF ALL ENCLOSURES AND BOXES, AND
SIGN AND DATE DRAWING.

THANK YOU

SIGNED: _____
DATE: _____

813 First Street
Brentwood, CA 94513
(925) 240-2595
(925) 240-7013 fax
www.tarrar.com

TARRAR
UTILITY CONSULTANTS

- Planning
- Design
- Estimating
- Joint Trench
- Street Lighting
- Fiber Optic
- T-24
- PG&E Gas Design
- PG&E Elec Design
- M.E.P. Design
- Cost Analysis
- Due Diligence

JOINT TRENCH COMPOSITE TITLE SHEET
FERNWOOD CEMETERY-GAS MAIN RELOCATION
301 TENNESSEE VALLEY RD
MILL VALLEY CALIFORNIA

NO.	REVISIONS	BY	DATE	DATE: MAY 2025	DATE LAST WORKED ON: 7/16/2026
				SCALE: NOT TO SCALE	DRAWN: VR
				JOB NO.: 225066A	CHECKED: KT

811
CALL BEFORE YOU DIG
UNDERGROUND SERVICE ALERT

811
PROFESSIONAL SEAL
HAIDER KAMMOONAH
Exp. 06/30/27
CIVIL
STATE OF CALIFORNIA

SHEET
JT1A
OF
JT7A
SHEETS

3. FIELD ADJUST SERVICES TO MINIMIZE INTERFERENCE WITH EXISTING FACILITIES (TYPICAL).
2. CONTRACTOR SHALL PERFORM ALL TRENCHING, EXCAVATING, BACKFILLING AND OTHER WORK AS SHOWN OR NOTED ON PLANS, AND AS SPECIFIED ON UTILITY BID DOCUMENTS.
3. FIELD ADJUST SPLICE BOXES TO KEEP CLEAR OF SIDEWALK, DRIVEWAYS AND EXISTING FACILITIES (TYPICAL).
4. A 3 FOOT LEVEL WORKING AREA MUST BE MAINTAINED AROUND ALL ELECTRIC ENCLOSURES. PRIOR TO ENERGIZING THE SYSTEM, THE ELECTRIC UTILITY COMPANY INSPECTOR WILL DETERMINE IF RETAINING WALLS ARE REQUIRED TO MEET MINIMUM CLEARANCE BETWEEN ENCLOSURES AND THE TOPS OR TOES OF SLOPES. IF RETAINING WALLS ARE REQUIRED, THE DEVELOPER AND/OR CONTRACTOR SHALL OBTAIN THE NECESSARY PERMITS FROM THE CITY/COUNTY BUILDING DEPARTMENT PRIOR TO WALL CONSTRUCTION.
5. TRANSITION TO VAULTS FROM TRENCH NOT SHOWN, SEE TRANSITION DETAIL SHEET JT3A (TYPICAL).
6. CONTRACTOR SHALL PLACE ALL UTILITY SPLICE BOXES, ENCLOSURES & CONDUIT IN PROPER RELATIONSHIP TO FINAL GRADE (SHOWN SCHEMATICALLY).
7. ALL PG&E, TELEPHONE, CABLE T.V. AND FIBER OPTIC BOXES AND JOINT TRENCH FACILITIES ARE TO MAINTAIN A MINIMUM OF 3' SEPARATION FROM SEWER, WATER LATERALS AND DRIVEWAYS.
8. CONTRACTOR SHALL COORDINATE ALL CONNECTIONS BETWEEN PROPOSED AND EXISTING FACILITIES AS DIRECTED BY THE RESPECTIVE UTILITY COMPANY INSPECTOR. UTILITY COMPANY PERSONNEL SHALL MAKE ALL "HOT TIE-IN'S", THE CONTRACTOR IS PROHIBITED FROM WORKING IN ANY ENERGIZED FACILITIES.
9. THE CONTRACTOR SHALL OBTAIN THE APPROPRIATE STREET EXCAVATION AND ENCROACHMENT PERMIT(S) FROM THE CITY/COUNTY PRIOR TO STARTING WORK IN THE PUBLIC STREET AREA.
10. FIELD LOCATE JOINT TRENCH FACILITIES TO KEEP CLEAR OF SERVICE LATERALS. SERVICE LATERALS TO BE ROUTED TO AVOID SPLICE BOX (ADDITIONAL P.U.E. MAY BE REQUIRED).
11. RESPECTIVE UTILITY COMPANY TO OBTAIN CITY APPROVAL OF ALL ABOVE GROUND EQUIPMENT.
12. UNLESS OTHERWISE SHOWN ON THE PLANS, NATURAL BENDS SHALL BE USED FOR ALL CONDUIT EXCEPT STREET LIGHT CONDUIT.
13. INCIDENTAL TRENCHING TO SPLICE BOXES NOT SHOWN (TYPICAL). CONTRACTOR TO PROVIDE ADDITIONAL TRENCHING AS REQUIRED FOR CONDUIT ROUTING TO SPLICE BOXES AND CABINETS (TYPICAL).
14. ALL CONDUITS SHALL ENTER OR EXIT PERPENDICULAR TO BOX WALLS.
15. ALL CONDUITS MUST BE MANDREL TESTED AND APPROVED.
16. OFFSET SPLICE BOXES TO ROUTE TELEPHONE/FIBER OPTIC CONDUIT AS NEEDED (TYPICAL).
17. PULL ROPES SHALL BE REQUIRED IN ALL EMPTY CONDUITS AS REQUIRED BY EACH UTILITY COMPANY.
18. ALL PG&E SPLICE BOXES ADJACENT TO TRANSFORMER SHALL BE 26" IN DEPTH (TYPICAL).
19. ALL CONDUITS NOT ENTERING SPLICE BOXES OR ENCLOSURES SHALL BE CAPPED.
20. COORDINATE TIE-IN WITH UTILITY COMPANY AS REQUIRED.
21. THE STREET LIGHT SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE "MATERIAL AND LABOR RECAP" AND LIGHT SCHEDULE AS SHOWN ON THESE PLANS.
22. ALL EXISTING DUCTS TO BE USED IN THESE PLANS SHALL BE "VERIFIED" BY PULLING A MANDREL THROUGH THE ENTIRE EXISTING LENGTH PRIOR TO CONNECTION.
23. EDGE OF SPLICE BOXES & PEDESTALS SHALL BE 5' FROM EDGE OF FIRE HYDRANT AND 3' FROM STREET LIGHT (TYPICAL). CONTRACTOR TO AVOID DISTURBING FIRE HYDRANT THRUST BLOCK.
24. ALL UTILITY SUBSTRUCTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE "MATERIAL AND LABOR RECAP" SHOWN ON THESE PLANS
25. MAINTAIN 3' CLEARANCE AND LEVEL AREA AROUND PRIMARY SPLICE BOXES & XFMRs.
26. DUE TO UNCERTAINTIES OF THE EXACT LOCATION OF EXISTING FACILITIES, FIELD LOCATION OF PROPOSED FACILITIES MAY BE REQUIRED. CONFIRM WITH VARIOUS UTILITIES FOR EXACT PLACEMENT.
27. FOR CLARITY -- BOXES/PEDESTALS ARE SHOWN AT LARGER SIZE THAN ACTUAL. FIELD ADJUST TO KEEP CLEAR OF DRIVEWAYS (TYPICAL).
28. ALL SERVICE FACILITIES SHALL BE EXTENDED TO EITHER THE PROPERTY LINE OR TO POSITION SHOWN ON THE PLANS, AND THEN CAPPED, BURIED AND LOCATION STAKED.
29. THESE PLANS WERE PREPARED UTILIZING PLANS RECEIVED FROM ADOBE ASSOCIATES (707-541-2300).

B/C	BACK OF CURB	H.P.S.	HIGH PRESSURE SODIUM	RT	RETAINING WALL
B/W	BACK OF WALK	IRR.	IRRIGATION CONTROLLER	R/W	RIGHT OF WAY
BTU	BRITISH TERM UNITS	J.T.	JOINT TRENCH	SCH.	SCHEDULE
CB	CATCH BASIN	KV	KILO-VOLTS	SD	STORM DRAIN
CL	CENTERLINE	LE	LANDSCAPE EASEMENT	SHT.	SHEET
CAT.	CATALOG	LF	LINEAR FOOT/FEET	S/W	SIDE WALK
C OR CATV	CABLE TELEVISION	MH	MANHOLE	SS	SANITARY SEWER
CFH	CUBIC FEET PER HOUR	MIN.	MINIMUM	SSE	SANITARY SEWER EASEMENT
C.I.P.	CAPITOL IMPROVEMENT PROJECT	MPOE	MINIMUM POINT OF ENTRY	ST. LT.-S/L	STREET LIGHT
CL	CENTER LINE	N.T.S.	NOT TO SCALE	SUBD'V	SUBDIVISION
CU	COPPER	O.D.	OUTER DIAMETER	Sqft.	SQUARE FOOTAGE
E	ELECTRIC	O.H.	OVER HEAD	T	TELEPHONE
EP	EDGE OF PAVEMENT	PIEUE	PRIVATE INGRESS, EGRESS, AND UTILITY EASEMENT	TUC	TARRANT UTILITY CONSULTANT
EVAE	EMERGENCY VEHICLE ACCESS EASEMENT	P	PROPERTY LINE	TYP.	TYPICAL
EX.	EXISTING	P.S.	POWER SUPPLY	T/S	TRAFFIC SIGNAL
F/C	FACE OF CURB	PROJ.	PROJECT	U.G.	UNDERGROUND
FH	FIRE HYDRANT	PSDE	PRIVATE STORM DRAIN EASEMENT	U.O.N.	UNLESS OTHERWISE NOTED
FUT.	FUTURE	PSE	PUBLIC SERVICE EASEMENT	V	VOLT
F.O.	FIBER OPTIC	PVAW	PRIVATE VEHICLE ACCESS WAY	W	WATT
G	GAS	P.V.C.	POLY VINYL CHLORIDE	WT	WATER
GALV.	GALVANIZE	PWE	PUBLIC WATER LINE EASEMENT	W/	WITH
G.E.	GENERAL ELECTRIC	PWR	POWER	W/O	WITHOUT
GRD.	GROUND	PUE	PUBLIC UTILITY EASEMENT	WLE	WATER LINE EASEMENT
H.O.A.	HOME OWNERS ASSOCIATION	PUE	PUBLIC UTILITY EASEMENT	XFMR	TRANSFORMER

Diagram illustrating the proposed pedestrian path and gas main line trench layout. The plan shows the existing gas main line in a trench to be abandoned, the proposed gas main line trench, and the pedestrian path. Key features include:

- EXISTING GAS MAIN LINE IN TRENCH TO BE ABANDONED
- PROPOSED GAS MAIN LINE IN TRENCH
- PEDESTRIAN PATH
- PROPERTY EASEMENT (MAEAS)
- FERNWOOD CEMETERY-NEW EXPANSION
- Dimensions: 11' width for the pedestrian path, MIN 5' clearance for the proposed gas main line trench.

The site plan illustrates the proposed gas main line installation. A hatched area on the left represents the 'PRIVATE DRIVEWAY'. To its right is the 'FERNWOOD CEMETERY-NEW EXPANSION', shown with grass and tombstone symbols. A dashed vertical line marks the 'PROPERTY EASTMENT (MAEAS)'. Further right, a 'PEDESTRIAN PATH' is shown with a width of '11\''. Below the path, a 'PROPOSED GAS MAIN LINE IN TRENCH' is indicated by a solid line with a black dot. A 'MIN 1\'' dimension shows the distance from the gas main to the 'EXISTING JT' (joint). Above the gas main, a dashed box outlines the 'BOL. LOC. PROPERTY' (boundary location property). The plan also shows 'UTK. PROPERTY' (utility property) and 'EXISTING JT' (existing joint) locations.

JOINT TRENCH STREET SECTIONS
NOT TO SCALE
NOTE: SEE PLANS FOR CONFIGURATIONS AND ARRANGEMENTS.
* UNLESS OTHERWISE SHOWN

NOT TO SCALE
NOTE: SEE PLANS FOR CONFIGURATIONS AND ARRANGEMENTS.
* UNLESS OTHERWISE SHOWN

WITHIN ROADWAY SECTION
(95% RELATIVE COMPACTION FOR THE TOP 6"
BELOW DRIVEWAY SUBGRADE AND 90% BELOW
THAT)

3. ALL JOINT TRENCH CONSTRUCTION SHALL BE IN ACCORDANCE WITH PG&E SPECIFICATIONS AND S5453.
2. ALL WORK SHALL BE SUBJECT TO THE INSPECTION AND SATISFACTION OF ALL PARTICIPATING UTILITIES AND CITY INSPECTORS.
3. BACKFILL SELECTION SHALL BE SUBJECT TO THE APPROVAL OF THE RESPECTIVE UTILITY COMPANIES, THE SOILS ENGINEER AND THE CITY AND/OR COUNTY WHERE THE PROJECT IS LOCATED. CONSULT PARTICIPATING UTILITIES, SOILS ENGINEER, AND THE CITY FOR APPROVED BACKFILL MATERIAL. COMPACTION TO MEET LOCAL AGENCIES REQUIREMENTS.
4. THE BOTTOM OF THE TRENCH SHALL BE CLEARED OF ROCKS AND OTHER HARD SURFACES. DISTRIBUTION TRENCHES WITHOUT TELEPHONE CONDUIT DO NOT REQUIRE BEDDING MATERIAL. SERVICE TRENCHES WITHOUT TELEPHONE CONDUIT REQUIRE 2" SAND BEDDING AS A PAD ON WHICH UTILITY FACILITIES CAN REST. SERVICE TRENCHES CONTAINING TELEPHONE CONDUIT ONLY REQUIRE A 1" SAND BEDDING. ALL OTHER TRENCHES CONTAINING TELEPHONE CONDUIT REQUIRE A 3" SAND BEDDING. REFER TO PG&E GREEN BOOK PUBLICATION S5453, EXHIBIT B AND AT&T SPEC95 "AT&T SPECIFICATIONS" TRENCHING AND CONDUIT GUIDE FOR FURTHER INFORMATION.
5. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE PAVEMENT AND/OR SIDEWALK WHERE REMOVED OR DAMAGED AS A RESULT OF ITS OPERATION (UNLESS OTHERWISE NOTED). REPLACEMENT OF PAVEMENT AND/OR SIDEWALK TO BE PER CITY SPECIFICATIONS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE AND NOTIFY ALL PARTICIPATING UTILITY INSTALLATIONS.
7. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT FIRST NOTIFYING TARRAR UTILITY CONSULTANTS.
8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXISTENCE AND/OR PRECISE LOCATION OF ALL UNDERGROUND FACILITIES PRIOR TO THE START OF CONSTRUCTION. TARRAR UTILITY CONSULTANTS MAKES NO WARRANTY WHATSOEVER THAT THE EXISTING UNDERGROUND UTILITIES AND/OR STRUCTURES DEPICTED ON THE PLANS HAVE BEEN ACCURATELY LOCATED OR THAT THERE ARE NO OTHER UNDERGROUND UTILITIES AND STRUCTURES IN ADDITION TO WHAT HAS BEEN SHOWN. CALL U.S.A. A MINIMUM OF 48 HOURS PRIOR TO STARTING CONSTRUCTION. FOR CALIFORNIA NORTH, (KERN COUNTY AND NORTHERLY, AND NEVADA) CALL (800)227-2600. FOR CALIFORNIA SOUTH, (SAN BERNARDINO COUNTY AND SOUTHERLY) CALL (800)422-4133.
9. CONTRACTOR SHALL COMPLY WITH ALL STATE, COUNTY AND CITY LAWS AND ORDINANCES AND WITH THE REGULATIONS OF THE DEPARTMENT OF INDUSTRIAL RELATIONS, O.S.H.A. AND ANY OTHER GOVERNMENTAL AGENCY RELATING TO THE SAFETY AND CHARACTER OF WORK, EQUIPMENT AND LABOR PERSONNEL.
10. THE DRAWINGS AND SPECIFICATIONS SHALL BE CONSIDERED TO BE COMPLEMENTARY TO EACH OTHER. ANYTHING SHOWN ON THE DRAWINGS AND NOT MENTIONED IN THE SPECIFICATIONS, OR MENTIONED IN THE SPECIFICATIONS AND NOT SHOWN ON THE DRAWINGS, SHALL BE OF LIKE EFFECT AS IF SHOWN OR MENTIONED IN BOTH. IF DISCREPANCY IS FOUND, NOTIFY TARRAR UTILITY CONSULTANTS PRIOR TO STARTING WORK.
11. TRENCH AND CONDUIT LAYOUTS ARE SHOWN SCHEMATICALLY.
12. TRENCHING OR SUBSTRUCTURE EXCAVATION MAY NECESSITATE OPERATION OVER, UNDER, OR ADJACENT TO OTHER UNDERGROUND UTILITIES (STORM, SEWER, WATER, ETC...). THE CONTRACTOR IS RESPONSIBLE TO LOCATE, PROSPECT, EXPOSE AND PROTECT ALL ADJACENT OR CROSSING UNDERGROUND UTILITIES. THIS WORK TO PROTECT THOSE UTILITIES IS NOT CONSIDERED AS EXTRA WORK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW IMPROVEMENT PLANS, IN CONJUNCTION WITH THIS PLAN, AND BID THE WORK ACCORDINGLY.
13. THE QUANTITIES SHOWN ON THESE PLANS ARE ONLY ESTIMATES OF WHAT WILL ACTUALLY BE REQUIRED FOR THE CONSTRUCTION OF THE OVERALL PROJECT. FINAL QUANTITIES MAY VARY ACCORDING TO CHANGES, ADDITIONS, DELETIONS OR OMISSIONS ON THE ORIGINAL PLAN.
14. VERIFY ALL SUBSTRUCTURE EXCAVATION DIMENSIONS WITH SUPPLIER(S) BEFORE BIDDING.
15. TARRAR UTILITY CONSULTANTS ASSUMES NO RESPONSIBILITY FOR ANY VARIANCE BETWEEN THESE PLANS AND THE ACTUAL FIELD CONDITIONS. THE CONTRACTOR SHOULD REVIEW THE PROJECT SITE PRIOR TO SUBMITTING ITS BID.
16. THE CONTRACTOR IS REQUIRED TO EXCAVATE BELL HOLE(S) AT TIE-IN LOCATIONS AS DIRECTED BY PARTICIPATING UTILITY.
17. CONTRACTOR WILL COMPLY WITH ALL LAWS, ORDINANCES AND REGULATIONS. CONTRACTOR SHALL BE FAMILIAR WITH O.S.H.A. INDUSTRIAL ORDERS AND SHALL CONDUCT HIS WORK ACCORDINGLY. WHEN WORKING ENERGIZED EQUIPMENT, THE UTILITY OWNER SHALL BE NOTIFIED TO SUPPLY THE APPROPRIATE MAN POWER AND SAFETY PRECAUTIONS AS NEEDED. THE CONTRACTOR IS RESPONSIBLE FOR PUBLIC SAFETY AND TRAFFIC CONTROL MEASURES.
18. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE AS-BUILT DRAWINGS AFTER INSTALLATION OF PG&E'S GAS AND ELECTRIC SYSTEMS (PRIOR TO "HOT TIE-INS").
19. THE CITY INSPECTOR SHALL BE NOTIFIED TWO WORKING DAYS PRIOR TO COMMENCEMENT OF WORK. COORDINATE WITH THE INSPECTOR ANY SERVICES TO BE ABANDONED.
20. THE CONTRACTOR IS TO VERIFY THE RIGHT OF WAY, PUBLIC UTILITY EASEMENT AND/OR PUBLIC SERVICE EASEMENT ACQUISITION WITH THE APPLICANT PRIOR TO CONSTRUCTION WITHIN AREAS OF QUESTION.
21. PG&E'S GENERAL TERM AND CONDITIONS FOR GAS AND ELECTRIC EXTENSION AND SERVICE CONSTRUCTION BY "APPLICANT" (EFFECTIVE 07/19/95) TO BE UTILIZED FOR ALL TRENCHING, BACKFILLING, AND INSTALLATION WORK.
22. IN THE EVENT OF DISPUTES OR DISAGREEMENT OVER ANY INSTALLATIONS, DESIGNS, PLANS OR DRAWINGS, THE SPECIFICATIONS AND REQUIREMENTS OF THE INDIVIDUAL UTILITY COMPANIES AND THEIR INSPECTORS SHALL TAKE PRECEDENCE. IN CASE OF DISCREPANCIES WITHIN THE DRAWINGS AND SPECIFICATIONS HEREIN, THE CONTRACTOR SHALL CONSULT TARRAR UTILITY CONSULTANTS FOR INTERPRETATION BEFORE WORK IS STARTED.
23. TARRAR UTILITY CONSULTANTS HEREIN, ASSUMES NO RESPONSIBILITY WHATSOEVER FOR THE QUALITY, QUANTITY OR TIMING OF WORK TO BE PERFORMED BY THE CONTRACTOR, UTILITY COMPANY CONSTRUCTION CREWS, OR OTHER SUB-CONTRACTOR OF DEVELOPER.
24. ALL TRENCHING, BACKFILLING AND INSTALLATION WORK IS TO BE IN ACCORDANCE WITH THE STANDARD PRACTICES AND SPECIFICATIONS OF EACH UTILITY COMPANY PARTICIPATING IN THE UTILITY TRENCHES WITHIN THE PROJECT.
25. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING POINTS OF ACCESS THAT ARE AGREEABLE TO ADJACENT LAND USES AND TENANTS AT ALL TIMES.
26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ASCERTAINING WHAT INSPECTIONS WILL BE REQUIRED FOR APPROVAL OF THE WORK AND FOR COORDINATING ALL SUCH INSPECTIONS. THE CONTRACTOR SHALL GIVE AT LEAST 48 HOURS PRIOR NOTICE TO THE CITY, SOILS ENGINEER, UTILITY COMPANIES OR ANY OTHER INDIVIDUALS OR PUBLIC AGENCIES, THAT THE WORK IS READY FOR INSPECTION.
27. THE CONTRACTOR SHALL NOTIFY DEVELOPER 48 HOURS PRIOR TO THE NEED FOR SURVEY STAKING. THE CONTRACTOR IS RESPONSIBLE FOR THE PRESERVATION OF ALL CONSTRUCTION STAKING SET BY THE DEVELOPER'S SURVEYORS AND WILL BE BACK CHARGED FOR ANY RE-STAKING THAT IS REQUIRED. ANY EXTRA CONSTRUCTION STAKING NECESSITATED SOLELY BY THE CONTRACTOR'S NEGLIGENCE WILL BE CHARGED TO AND PAID FOR BY THE CONTRACTOR.
28. ALL TRANSFORMERS AND TRANSFORMER PADS ARE TO BE INSTALLED PER PG&E SPECIFICATIONS. PROTECTIVE BOLLARDS ARE TO BE PLACED WHERE NEEDED.
29. THE CONTRACTOR SHALL MAKE HIMSELF FAMILIAR WITH THE PROJECT IMPROVEMENT PLANS AND CONDUCT HIS WORK ACCORDINGLY.
30. KEEP ALL BOXES AND PEDESTALS WITHIN PUBLIC UTILITY EASEMENTS OR RIGHT OF WAY AS SHOWN.
31. ALL SAND BACKFILL MUST HAVE TESTING OF PH LEVEL AS WELL AS SAND EQUIVALENT. SEE CITY OF MILL VALLEY REQUIREMENTS.
32. THE PROPOSED CONSTRUCTION OPERATION MAY TAKE PLACE AT OR NEAR FENCE LINES, PROPERTY LINES AND PROPERTY IMPROVEMENTS PRIOR TO CONSTRUCTION, CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING THESE AREAS AND FOR MAINTAINING THESE AREAS AND FACILITIES AT ALL TIMES DURING THE CONSTRUCTION OPERATION.
33. THE CONTRACTOR ASSUMES SOLE AND COMPLETE RESPONSIBILITY FOR THE SITE CONDITION AND SHALL DEFEND AND HOLD THE DEVELOPER AND TARRAR UTILITY CONSULTANTS HARMLESS FROM ANY ALLEGED CLAIMS OR LIABILITIES, EXCEPT THOSE ARISING FROM SOLE NEGLIGENCE OF THE DEVELOPER OR TARRAR UTILITY CONSULTANTS.
34. THE APPROXIMATE LOCATIONS OF ALL EXISTING UTILITY COMPANY UNDERGROUND LINES, POLES, BOXES, ETC., WERE OBTAINED FROM A REVIEW OF AVAILABLE UTILITY COMPANY RECORDS, REPRESENTATIONS OF UTILITY COMPANY PERSONAL, OR FIELD OBSERVATIONS. NEITHER THE DEVELOPER NOR TARRAR UTILITY CONSULTANTS ASSUME ANY RESPONSIBILITY FOR VARIANCES BETWEEN THESE PLANS AND THE ACTUAL FIELD CONDITIONS. NO EXTRA PAYMENT WILL BE MADE TO THE CONTRACTOR FOR ANY ADDITIONAL TRENCHING, BOX EXCAVATIONS, MATERIALS, ETC., THAT MAY BE REQUIRED TO COMPLETE THIS PROJECT IN THE EVENT AN EXISTING TIE-IN POINT SUBSTRUCTURE IS EITHER NON-EXISTING OR IS NOT SHOWN ON THE PLANS IN ITS ACTUAL FIELD POSITION. IT IS THE CONTRACTOR'S OBLIGATION AND RESPONSIBILITY TO SAFELY LOCATE ALL EXISTING UNDERGROUND FACILITIES BY SURFACE MARKING AND/OR HAND EXCAVATION PRIOR TO STARTING CONSTRUCTION.
35. "DEVELOPER AND/OR CONTRACTOR IS RESPONSIBLE TO OBTAIN A CITY OF MILL VALLEY ENCROACHMENT PERMIT FOR ALL WORK DONE IN THE PUBLIC RIGHT OF WAY. DEVELOPER AND/OR CONTRACTOR IS ALSO RESPONSIBLE TO PROVIDE JOINT TRENCH PLANS TO THE CITY OF MILL VALLEY AT THE TIME OF APPLICATION FOR THE ENCROACHMENT PERMIT."

TARRAR
UTILITY CONSULTANTS

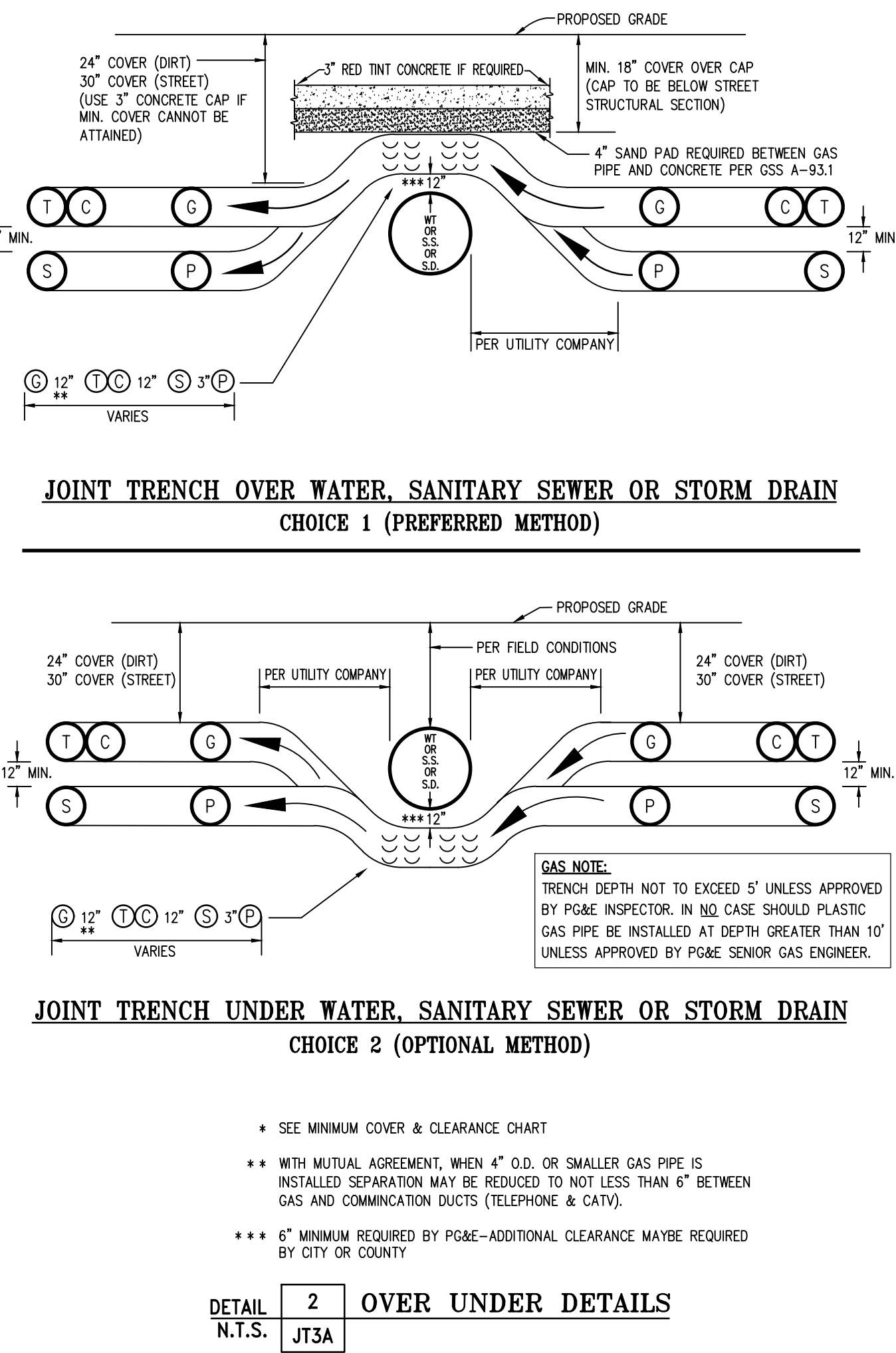
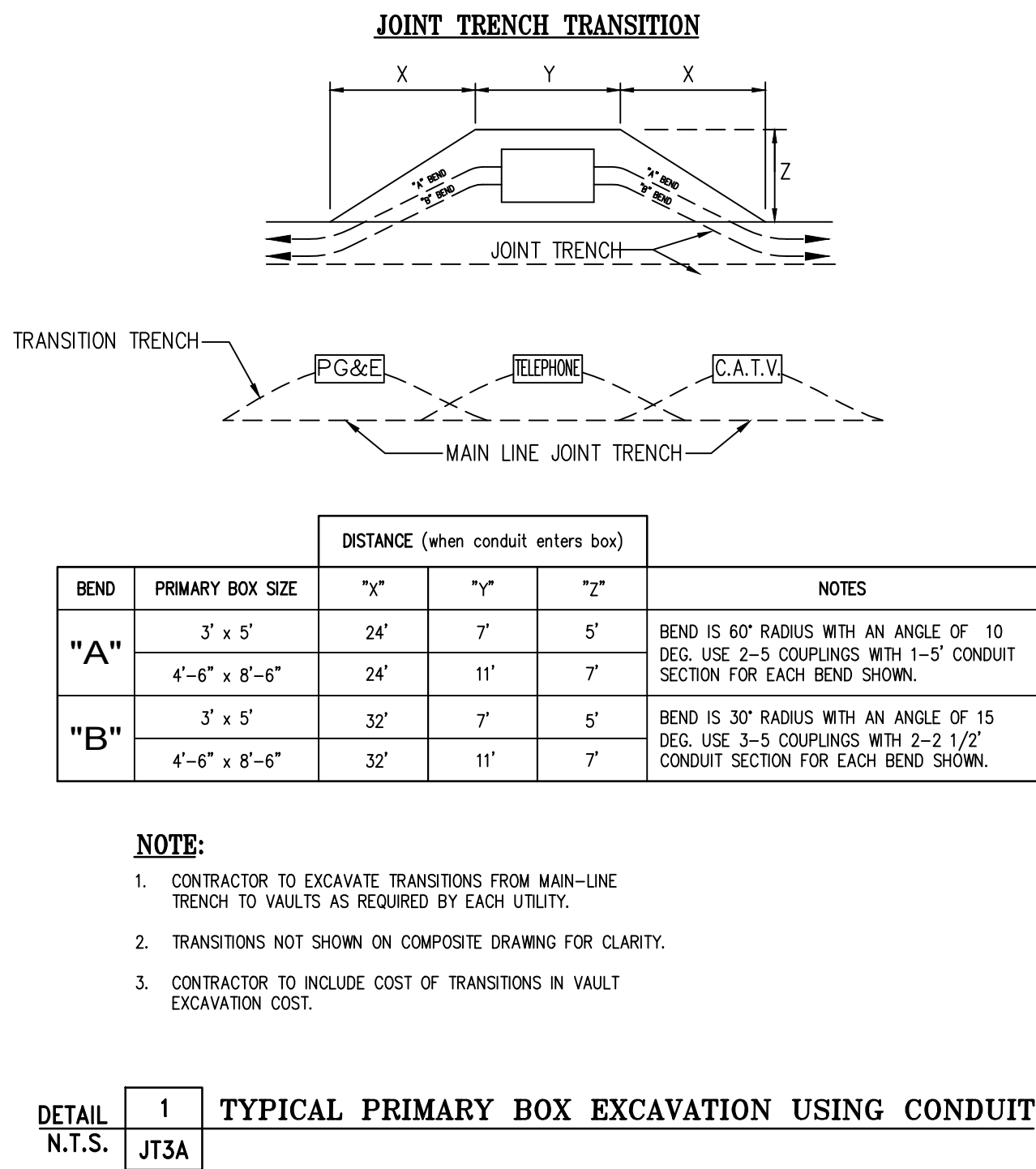
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NO.	REVISIONS	BY	DATE

DATE: MAY 2025	DATE LAST WORKED ON: 7/16/2026	
SCALE: NOT TO SCALE	DRAWN: VR	CHECKED: KT
JOB NO.: 225066A		



SHEET
JT2A
OF
JT7A
SHEETS



CONSTRUCTION LABOR AND MATERIAL RESPONSIBILITY

PUBLIC UTILITY SYSTEM
(JOINT TRENCH)

TRENCHING:	PG&E	ELECTRIC
EXCAVATE, BACKFILL	PG&E	GAS
AND COMPACT	PG&E	TELEPHONE
GAS MATERIAL:	PG&E	C.A.T.V.
FURNISH:	PG&E	CONTRACTOR
INSTALL:	PG&E	
ELECTRIC CABLE:	PG&E	
FURNISH:	PG&E	
INSTALL:	PG&E	
ELECTRIC CONDUIT:	PG&E	
FURNISH:	PG&E	
INSTALL:	PG&E	
ELECTRIC SPICE BOXES:	PG&E	
EXCAVATE:	PG&E	
FURNISH:	PG&E	
INSTALL:	PG&E	
ELECTRIC TMR ENCLS:	PG&E	
EXCAVATE:	PG&E	
FURNISH:	PG&E	
INSTALL:	PG&E	
ELECTRIC EQUIP. ENCLS:	PG&E	
EXCAVATE:	PG&E	
FURNISH:	PG&E	
INSTALL:	PG&E	
ELECTRIC TMR PADS:	PG&E	
GRADE:	PG&E	
FURNISH:	PG&E	
INSTALL:	PG&E	
ELECTRIC SWITCH PADS:	PG&E	
GRADE:	PG&E	
FURNISH:	PG&E	
INSTALL:	PG&E	
TELEPHONE CONDUIT:	PG&E	
FURNISH:	PG&E	
INSTALL:	PG&E	
TELEPHONE CABLE:	PG&E	
FURNISH:	PG&E	
INSTALL:	PG&E	
TELEPHONE SPICE BOX:	PG&E	
EXCAVATE:	PG&E	
FURNISH:	PG&E	
INSTALL:	PG&E	
TELEPHONE INTER. PADS:	PG&E	
GRADE:	PG&E	
FURNISH:	PG&E	
INSTALL:	PG&E	
C.A.T.V. CONDUITS:	PG&E	
FURNISH:	PG&E	
INSTALL:	PG&E	
C.A.T.V. SPICE BOXES:	PG&E	
EXCAVATE:	PG&E	
FURNISH:	PG&E	
INSTALL:	PG&E	

● DESIGNATES THE WORK TO BE PERFORMED BY THE CONTRACTOR AND EACH UTILITY COMPANY.

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(925) 240-7013 fax
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- Fiber Optic
- T-24
- PG&E Gas Design
- PG&E Elec Design
- M.E.P. Design
- Cost Analysis
- Due Diligence

JOINT TRENCH DETAILS
FERNWOOD CEMETERY-GAS MAIN RELOCATION
301 TENNESSEE VALLEY RD
MILL VALLEY CALIFORNIA

NO.	REVISIONS	BY	DATE

DATE: MAY 2025	DATE LAST WORKED ON: 7/16/2026
SCALE: NOT TO SCALE	DRAWN: VR CHECKED: KT
JOB NO.: 225066A	

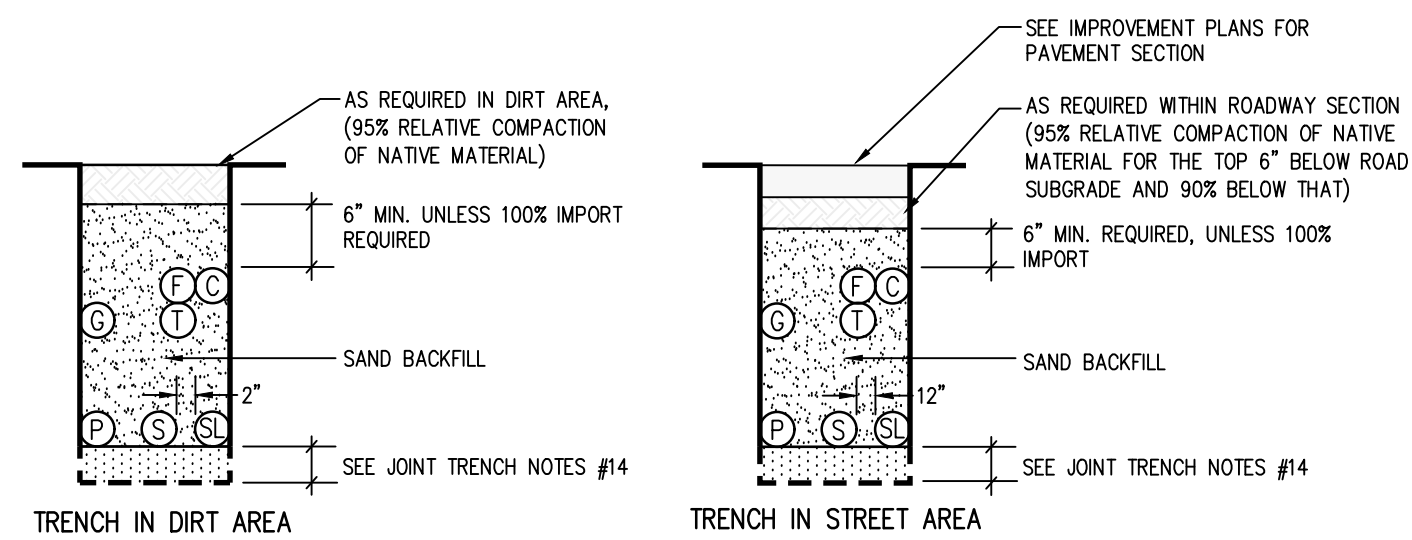


SHEET
JT3A
OF
JT7A
SHEETS

The diagram shows a cross-section of a storage tank. At the top, there are two sets of valves labeled 'AS NEEDED'. Below these are two groups of gauges: one with three gauges and one with two gauges. A large gauge labeled 'G' is on the left wall. In the center, there is a 2" diameter pipe with a valve. To the right of this pipe is a 2" diameter pipe with a valve. At the bottom, there is a 2" diameter pipe with a valve. The tank is partially filled with a liquid, indicated by a shaded area at the bottom. The liquid level is marked with a horizontal line and a 2" dimension. The tank is labeled '2000 GAL' at the top.

LEGEND

○	MEETS UTILITY TRENCH ALLOTMENT
●	EXCEEDS UTILITY TRENCH ALLOTMENT
⊖	GAS
P	ELECTRIC PRIMARY
S	ELECTRIC SECONDARY
T	TELEPHONE (DUCT OR DIRECT BURY)
C	CATV
SL	STREET LIGHT (PUBLIC OR PRIVATE)
SP	STREET LIGHT (PG&E)
FE	FOREIGN ELECTRIC
F	FIBER OPTIC



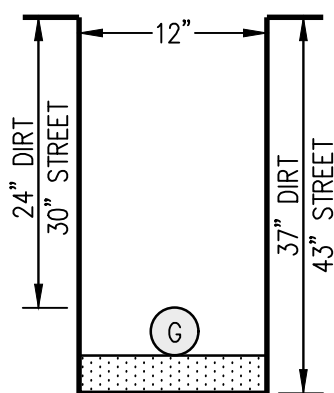
1. TRENCH COVER & CLEARANCES SHOWN ARE MINIMUMS ONLY AND MAY REQUIRE ALTERATIONS TO SUIT FIELD CONDITIONS.
2. IT IS RECOMMENDED THAT ALL FACILITIES ARE TO BE A MINIMUM OF 12" BELOW SUB-BASE DISTURBANCE.
3. * WITH MUTUAL AGREEMENT FROM PARTICIPATING UTILITIES, WHEN 4" O.D. OR SMALLER GAS PIPE IS INSTALLED, SEPARATION MAY BE REDUCED TO NOT LESS THAN 6" BETWEEN GAS AND COMMUNICATION DUCTS (TELEPHONE, C.A.T.V. & FIBER OPTIC).
4. * WHERE 6" GAS MAIN IS LOCATED IN THE JOINT TRENCH A 18" MINIMUM SEPARATION FROM GAS MAIN TO ALL UTILITIES WILL BE REQUIRED.
5. ** WITH MUTUAL AGREEMENT FROM PARTICIPATING UTILITIES, STREET LIGHT SEPARATION MAY BE REDUCED TO 0" BETWEEN STREET LIGHT AND COMMUNICATION DUCTS (TELEPHONE, C.A.T.V. & FIBER OPTIC).
6. TRENCH CONFIGURATIONS SHOWN ARE FOR INSTALLATION WHERE EACH OCCUPANT IS UTILIZING HIS ENTIRE SPACE ALLOCATION. OTHER CONFIGURATIONS OR REDUCED DIMENSIONS MAY BE USED, PROVIDED THAT MINIMUM COVER AND CLEARANCES ARE MAINTAINED.
7. THE CONTRACTOR IS TO ADJUST TRENCH DEPTHS AT ALL JOINT TRENCH LATERAL CROSSINGS TO MAINTAIN REQUIRED CLEARANCES BETWEEN ALL PARTICIPATING UTILITIES.
8. TRENCH SECTIONS ARE SHOWN SCHEMATICALLY AND INDICATE AREAS OF OCCUPANCY ONLY; THEY DO NOT REFLECT SIZE OR QUANTITY OF FACILITIES TO BE INSTALLED.
9. TRENCH FOOTAGES PER SECTION ARE APPROXIMATE. SECTIONS ARE DESIGNED TO ACCOMMODATE ALL REQUIRED FACILITIES AS INDICATED ON EACH TRENCH PARTICIPANT'S CONSTRUCTION DRAWINGS.
10. THE CONTRACTOR SHALL VERIFY TRENCH FOOTAGES FOR ACCURACY PRIOR TO EXCAVATION AND TAKE NECESSARY PRECAUTION CROSSING WATER AND SEWER FACILITIES.
11. THE CONTRACTOR SHALL REFER TO THE COMPOSITE, CONDUIT, AND/OR EACH RESPECTIVE UTILITY INSTALLATION PLAN FOR THE NECESSARY CONDUIT CABLE AND/OR PIPE TO BE INSTALLED IN THIS PROJECT.
12. TYPE "M2" TRENCH SHALL BE INSTALLED AFTER CURB AND GUTTER INSTALLATION. CONTRACTOR SHALL COORDINATE ADDITIONAL MOVE-INS NECESSARY TO COMPLETE THE SERVICES TO THE DWELLING UNITS WITH THE DEVELOPER, ALL AGENCIES AND THE UTILITY COMPANIES. THE COST OF THESE MOVE-INS SHALL BE INCLUDED IN THE CONTRACTOR'S UNIT PRICE FOR TRENCHING.
13. THE AVERAGE TRENCH DEPTHS SHOWN ARE BASED ON THE MINIMUM UTILITY COMPANY REQUIREMENTS FOR DEPTH AND SEPARATION. CONTRACTOR SHALL ADJUST TRENCH WIDTH & DEPTH AS REQUIRED TO ADEQUATELY CLEAR EXISTING UNDERGROUND FACILITIES AND MAINTAIN MINIMUM UTILITY CLEARANCES. ALL TRENCHES OVER 60" DEEP MUST COMPLY WITH OSHA REQUIREMENTS. (SEE THE JOINT TRENCH MINIMUM COVER AND CLEARANCE TABLE)
14. CONTRACTOR SHALL USE SAND BEDDING AND SHADING AS REQUIRED BY THE UTILITY COMPANIES. THE BOTTOM OF THE TRENCH SHALL BE CLEARED OF ROCKS AND OTHER HARD SURFACES. DISTRIBUTION TRENCHES WITHOUT TELEPHONE CONDUIT DO NOT REQUIRE BEDDING MATERIAL. SERVICE TRENCHES WITHOUT TELEPHONE CONDUIT REQUIRE 2" SAND BEDDING AS A PAD ON WHICH UTILITY FACILITIES CAN REST. SERVICE TRENCHES CONTAINING TELEPHONE CONDUIT ONLY REQUIRE A 1" SAND BEDDING. ALL OTHER TRENCHES CONTAINING TELEPHONE CONDUIT REQUIRE A 3" SAND BEDDING. REFER TO PG&E GREEN BOOK PUBLICATION SS453, EXHIBIT B AND AT&T SPEC95 "AT&T SPECIFICATIONS" TRENCHING AND CONDUIT GUIDE FOR FURTHER INFORMATION.
15. ALL TRENCHING AND BACKFILLING TO BE DONE IN ACCORDANCE WITH THE CITY OF MILL VALLEY ENGINEERING STANDARDS AND SPECIFICATIONS.
16. ALL PG&E, TELEPHONE, CABLE, AND FIBER OPTIC BOXES AND JOINT TRENCH FACILITIES ARE TO MAINTAIN A MINIMUM OF 3' SEPARATION FROM SEWER AND WATER LATERALS AND DRIVEWAYS. ALL UTILITY VAULTS, BOXES, PEDESTALS, ETC. MUST MAINTAIN A 5' MINIMUM CLEARANCE FROM FIRE HYDRANTS, AND 3' MINIMUM FROM STREETLIGHTS.

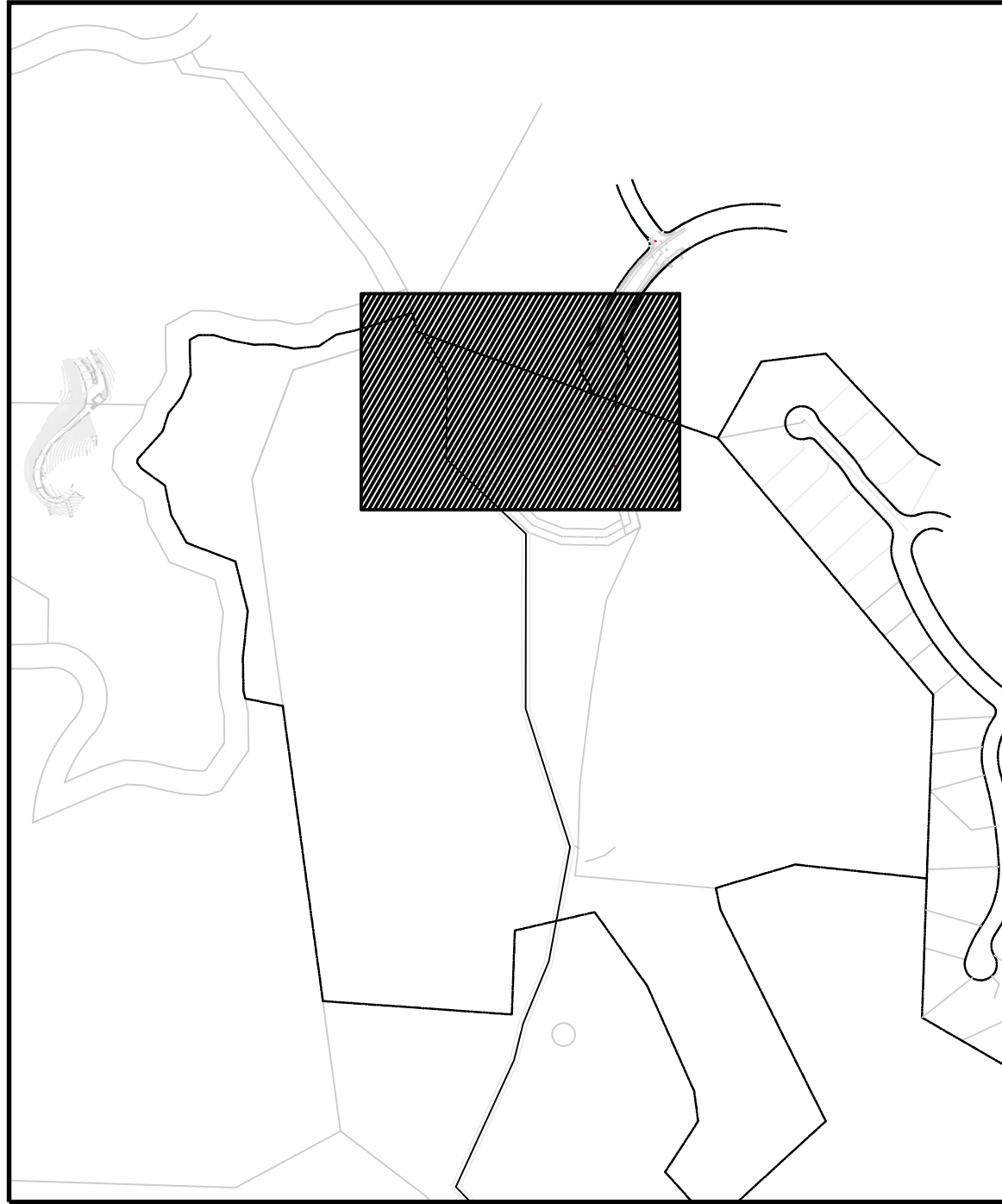
[illegible]

The diagram shows a rectangular area with a width of 12". On the left side, there are two vertical dimension lines: the outer one is labeled 24" DIRT and the inner one is labeled 30" STREET. On the right side, there are two vertical dimension lines: the outer one is labeled 37" DIRT and the inner one is labeled 43" STREET. A circle labeled 'G' is located in the bottom-left corner of the rectangle, partially overlapping the 30" STREET dimension.

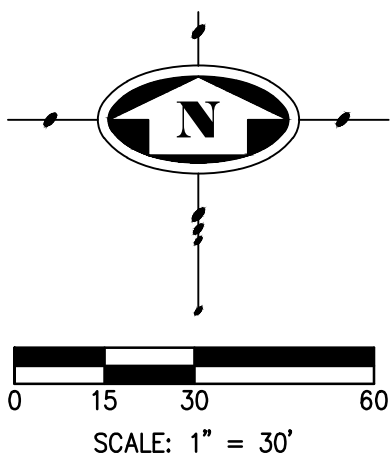
The diagram illustrates a cable installation setup. On the left, a box labeled "AT&T SPLICE BOX (SB)" contains a cable loop. A cable runs from the splice box, passing through a series of vertical dashed lines representing a wall or partition. The cable is secured at several points, indicated by callouts 1, 2, and 3. Dimensions are provided for the cable run: a 2' segment from the splice box, followed by two 8' segments. Notes 1, 2, and 3 are placed at various points along the cable run. A circular inset on the right provides a detailed view of the cable being secured by a component labeled 3, with callouts 1 and 2 pointing to the cable and the securing component, respectively.

DETAIL	1	AT&T AERIAL AND BURIED
N.T.S.	JT4A	GROUND BED DESIGN

SECTION T
(VIOLATOR)



VICINITY MAP



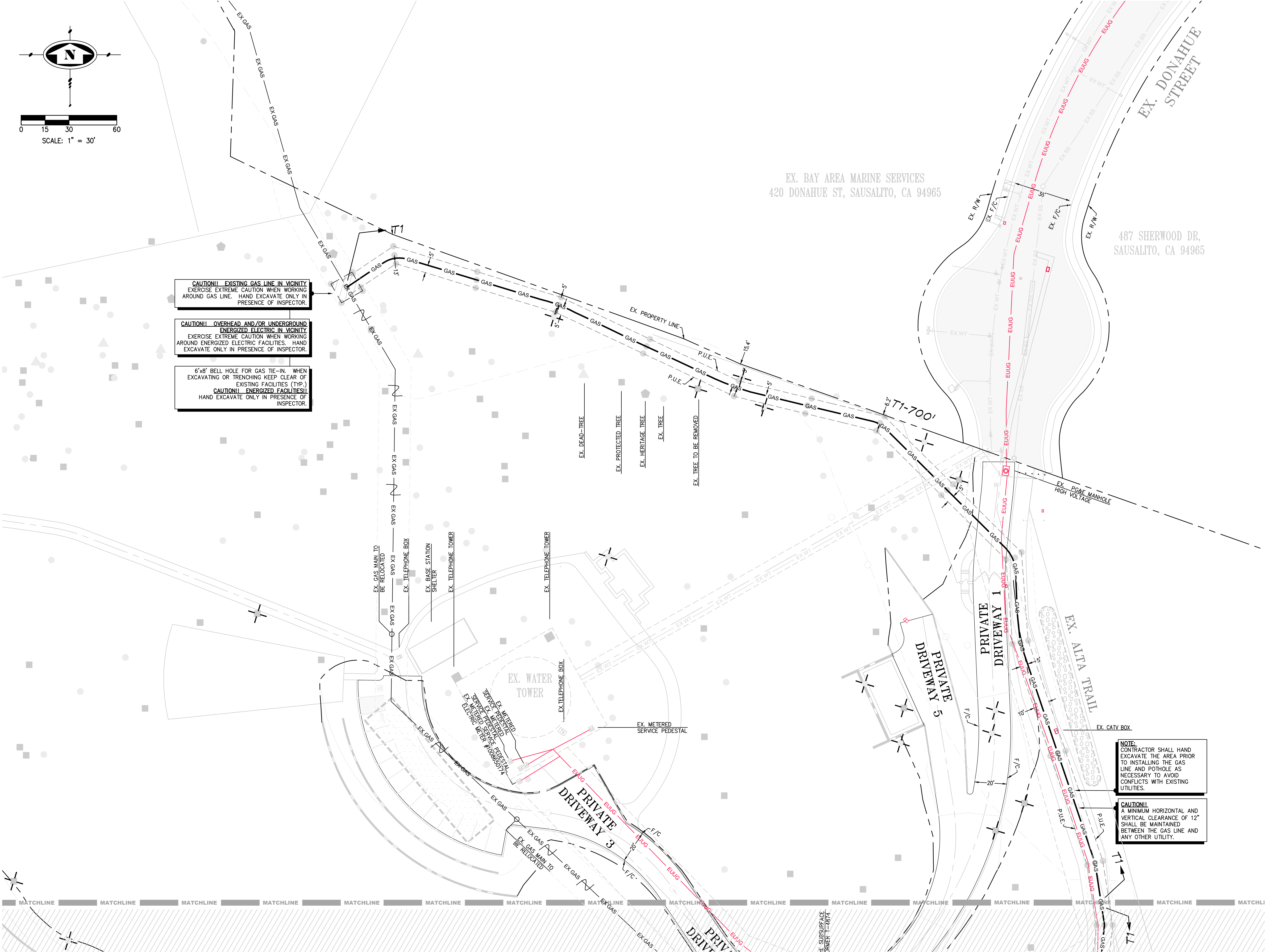
CAUTION !! CAUTION !! CAUTION !!
EX. JOINT TRENCH AND EX. GAS AND ALL OTHER UTILITY LOCATIONS ARE SHOWN BASED UPON INFORMATION PROVIDED BY OTHERS AND FIELD OBSERVATION. JOINT TRENCH CONTRACTOR TO VERIFY EXACT LOCATION OF ALL EXISTING FACILITIES PRIOR OF ANY JOINT TRENCH CONSTRUCTION. POTHOLE IF NECESSARY. CONTACT U.S.A. DIG ALERT 2 WORKING DAYS IN ADVANCE.

CONTRACTOR WILL COMPLY WITH ALL LAWS, ORDINANCES AND REGULATIONS. CONTRACTOR SHALL BE FAMILIAR WITH O.S.H.A. INDUSTRIAL ORDERS AND SHALL CONDUCT HIS WORK ACCORDINGLY. WHEN WORKING AROUND ENERGIZED EQUIPMENT, THE UTILITY OWNER SHALL BE NOTIFIED TO SUPPLY THE APPROPRIATE MAN POWER AND SAFETY PRECAUTIONS AS NEEDED. THE CONTRACTOR IS RESPONSIBLE FOR PUBLIC SAFETY AND TRAFFIC CONTROL MEASURES.

JOINT TRENCH OCCUPANCY GUIDE																							
TRENCH SECTION	A*	B*	C*	D*	E*	F*	G*	H*	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
GAS	X	X	X	X		X				X	X	X	X	X	X	X		X		X			
TELEPHONE	X	X	X	X	X				X	X	X	X	X	X	X	X		X		X			
CABLE T.V.	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X		X		X			
ELECTRIC SEC.	X	X	X	X	X	X	X	X					X	X	X	X	X	X	X	X	X	X	X
ELECTRIC PRL	X	X	X	X	X	X	X	X	X														

*THESE SECTIONS MAY OR MAY NOT CONTAIN SECONDARY

TARRAR UTILITY CONSULTANTS
APPROVED FOR SUBMITTAL
HAIDER KAMMOONAH
QUALIFIED APPLICANT DESIGN ENGINEER



CAUTION!! EXISTING GAS LINE IN VICINITY
EXERCISE EXTREME CAUTION WHEN WORKING AROUND GAS LINE. HAND EXCAVATE ONLY IN PRESENCE OF INSPECTOR.

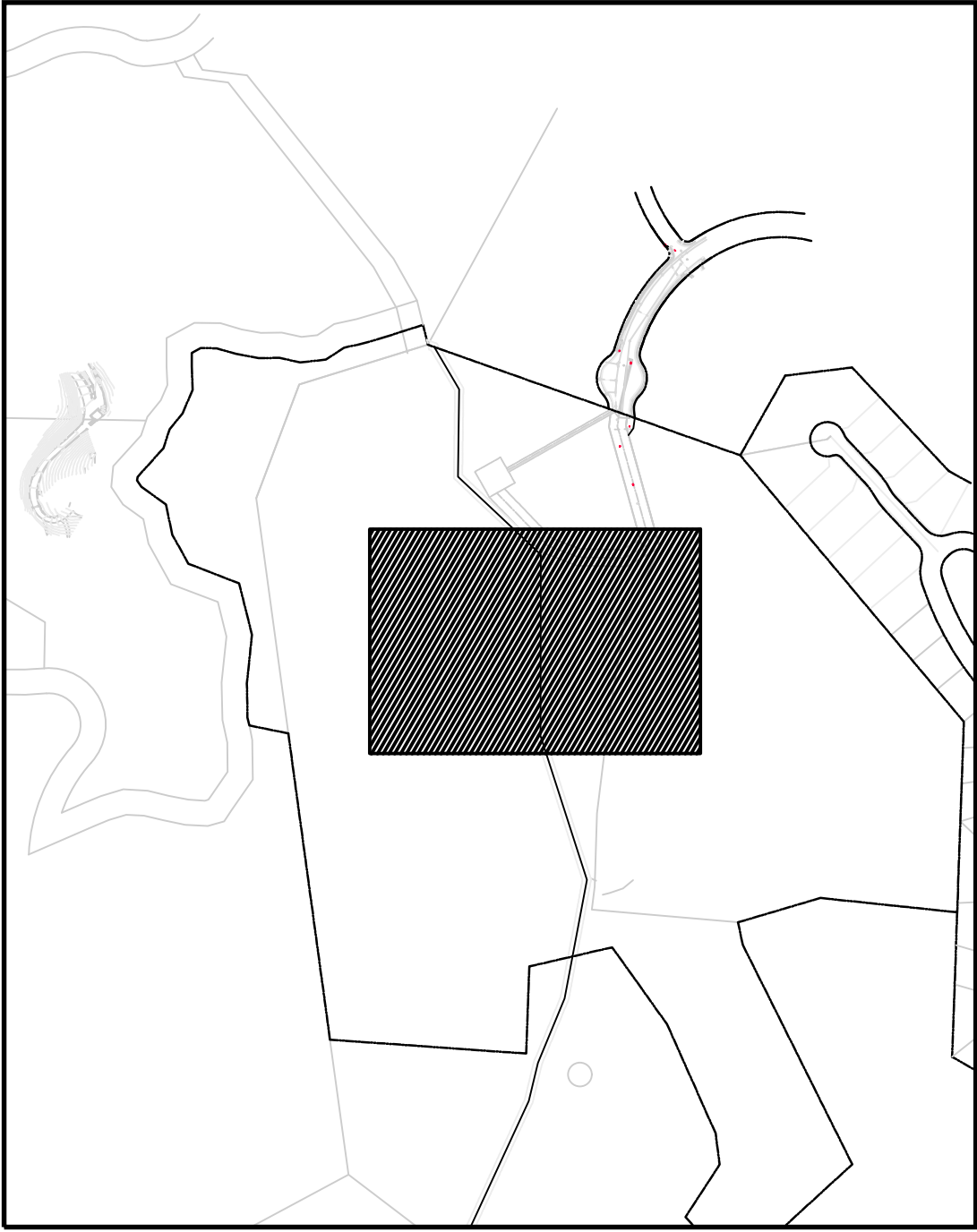
CAUTION!! OVERHEAD AND/OR UNDERGROUND ENERGIZED ELECTRIC IN VICINITY
EXERCISE EXTREME CAUTION WHEN WORKING AROUND ENERGIZED ELECTRIC FACILITIES. HAND EXCAVATE ONLY IN PRESENCE OF INSPECTOR.

6"x8" BELL HOLE FOR GAS TIE-IN. WHEN EXCAVATING OR TRENCHING KEEP CLEAR OF EXISTING FACILITIES (TYP.)
CAUTION!! ENERGIZED FACILITIES!!
HAND EXCAVATE ONLY IN PRESENCE OF INSPECTOR.

NOTE:
CONTRACTOR SHALL HAND EXCAVATE THE AREA PRIOR TO INSTALLING THE GAS LINE AND POTHOLE AS NECESSARY TO AVOID CONFLICTS WITH EXISTING UTILITIES.

CAUTION!!
A MINIMUM HORIZONTAL AND VERTICAL CLEARANCE OF 12" SHALL BE MAINTAINED BETWEEN THE GAS LINE AND ANY OTHER UTILITY.

MATCH LINE SEE SHEET JT6A



VICINITY MAP

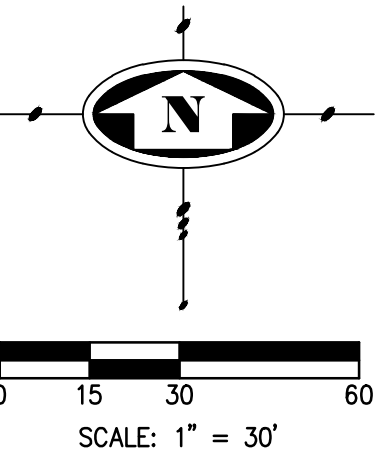
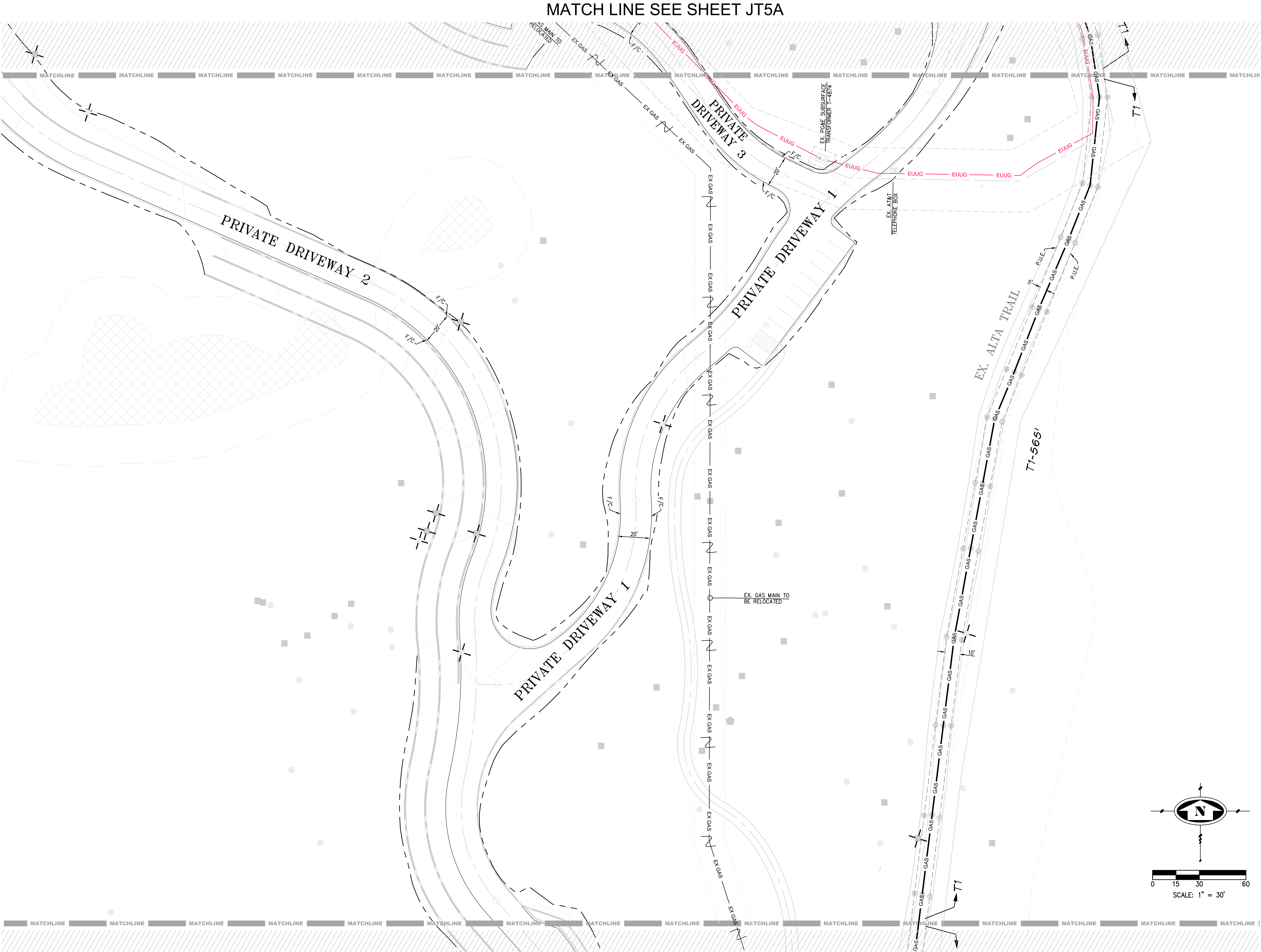
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JOINT TRENCH OCCUPANCY GUIDE																									
TRENCH SECTION	A*	B*	C*	D*	E*	F*	G*	H*	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W		
GAS	X	X	X	X	X					X	X	X	X	X	X	X	X	X	X	X					
TELEPHONE	X	X	X	X	X					X	X	X	X	X	X	X	X	X	X	X					
CABLE T.V.	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X					
ELECTRIC SEC.	X	X	X	X	X	X	X	X						X	X	X	X	X	X	X					X
ELECTRIC PRI.	X	X	X	X	X	X	X	X																	

*THESE SECTIONS MAY OR MAY NOT CONTAIN SECONDARY

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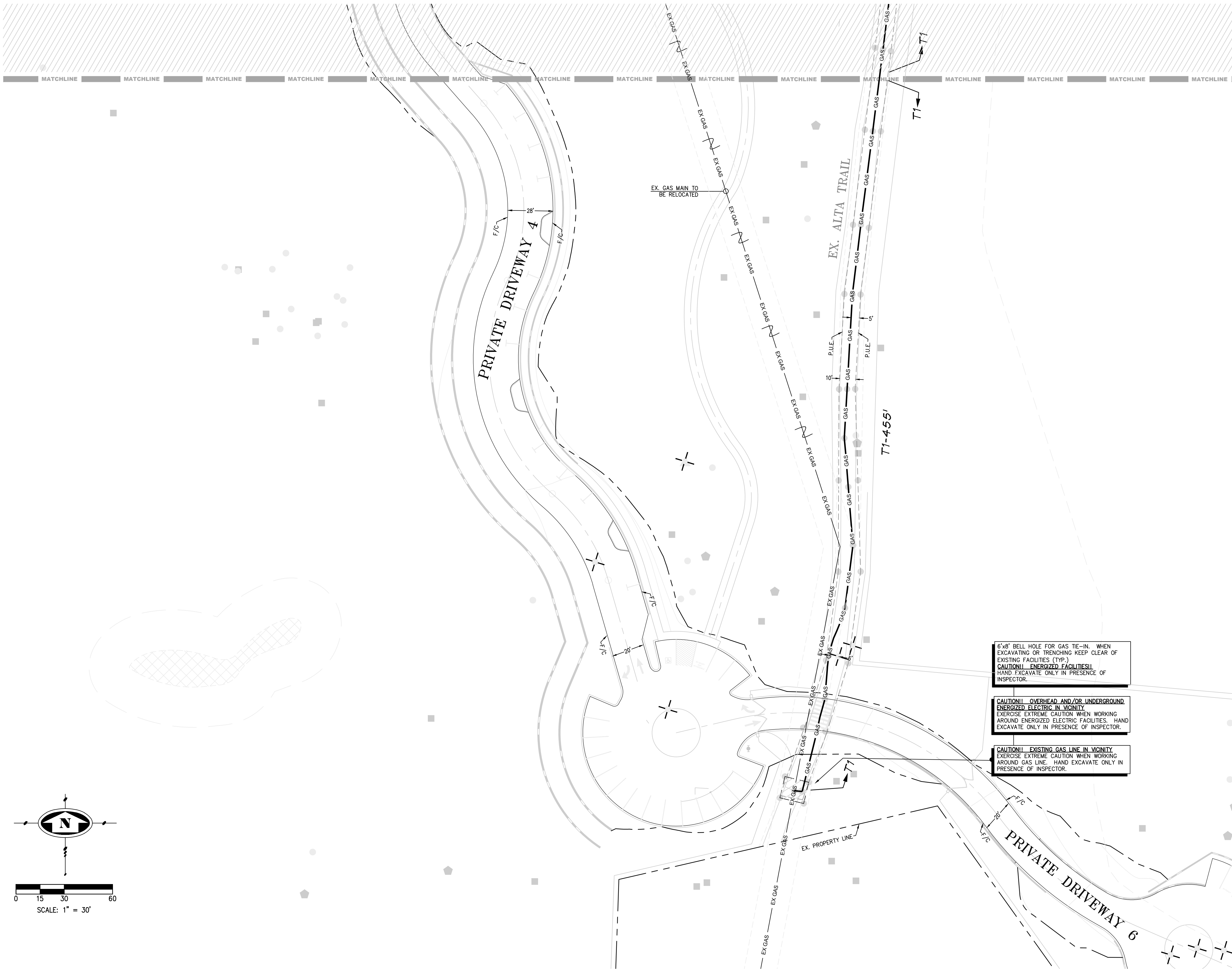
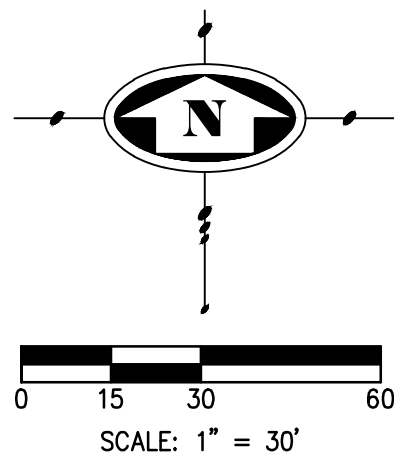




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PG&E APPROVAL TRANSMITTAL FORM

Applicant Design Project

DATE: 12/23/2025

Applicant Designer: Tarrar Utility Consultants	Project Address: 301 TENNESSEE VALLEY RD MILL VALLEY PM: 35677670 Job #: 225066 Notification: 131545715 Tract #:																																	
Notes:	Review Info: Date & Hours of Review Time <table><tr><td>☒ Project GD Review # 1.</td><td>Date: 11/5/2025</td><td>Hours of review time: 7*</td></tr><tr><td>☒ Project GD Review # 2.</td><td>Date: 11/26/2025</td><td>Hours of review time: 6*</td></tr><tr><td>☒ Project GD Review # 3.</td><td>Date: 12/10/2025</td><td>Hours of review time: 6*</td></tr><tr><td>☒ Project GD Review # 4.</td><td>Date: 12/23/2025</td><td>Hours of review time: 5*</td></tr><tr><td>☐ Project GD Review # 5.</td><td>Date:</td><td>Hours of review time: *</td></tr><tr><td colspan="3"> </td></tr><tr><td>☒ Project JTC Review # 1.</td><td>Date: 11/5/2025</td><td>Hours of review time: 3*</td></tr><tr><td>☒ Project JTC Review # 2.</td><td>Date: 12/10/2025</td><td>Hours of review time: 1*</td></tr><tr><td>☐ Project JTC Review # 3.</td><td>Date:</td><td>Hours of review time: *</td></tr><tr><td>☐ Project JTC Review # 4.</td><td>Date:</td><td>Hours of review time: *</td></tr><tr><td>☐ Project JTC Review # 5.</td><td>Date:</td><td>Hours of review time: *</td></tr></table>	☒ Project GD Review # 1.	Date: 11/5/2025	Hours of review time: 7*	☒ Project GD Review # 2.	Date: 11/26/2025	Hours of review time: 6*	☒ Project GD Review # 3.	Date: 12/10/2025	Hours of review time: 6*	☒ Project GD Review # 4.	Date: 12/23/2025	Hours of review time: 5*	☐ Project GD Review # 5.	Date:	Hours of review time: *	 			☒ Project JTC Review # 1.	Date: 11/5/2025	Hours of review time: 3*	☒ Project JTC Review # 2.	Date: 12/10/2025	Hours of review time: 1*	☐ Project JTC Review # 3.	Date:	Hours of review time: *	☐ Project JTC Review # 4.	Date:	Hours of review time: *	☐ Project JTC Review # 5.	Date:	Hours of review time: *
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☐ Project JTC Review # 5.	Date:	Hours of review time: *																																
From: ESTEBAN MAGANA, Gas ADE 300 LAKESIDE DR OAKLAND, CA 94612 925-499-6831	*Per Applicant Design Guide, Project GD Review #1 is the only review executed at PG&E expense. *1-hour minimum plus actual rechecking time over 1 hour in 1/2-hour increments. These additional job checking hours will be charged to the Applicant. *Any additional reviews beyond Review #5 will be notated in the notes section.																																	

PG&E has reviewed your ☒ **JT Composite/Form B** ☒ **Gas Design** for the above referenced project.

☒ **Gas Design IS APPROVED by PG&E:**

☒ Attached is one set of the job sketches signed as approved by PG&E. PG&E will proceed with finalizing the estimate and preparing Extension Agreements.

(OR)

☐ Please submit a set of prints with a signed and dated Professional Engineer's stamp from the appropriate PE. PG&E will proceed with finalizing the estimate and preparing Extension Agreements.

☐ **Gas Design IS TENTATIVELY APPROVED by PG&E:**

The Gas Design meets PG&E minimum requirements but will not be provided a PG&E wet stamp until the JTC Design has been reviewed & approved.

☐ **Gas Design IS NOT APPROVED by PG&E:**

Please see attached checklist(s) and sketches. Future review(s) by PG&E will be at the applicant's expense.

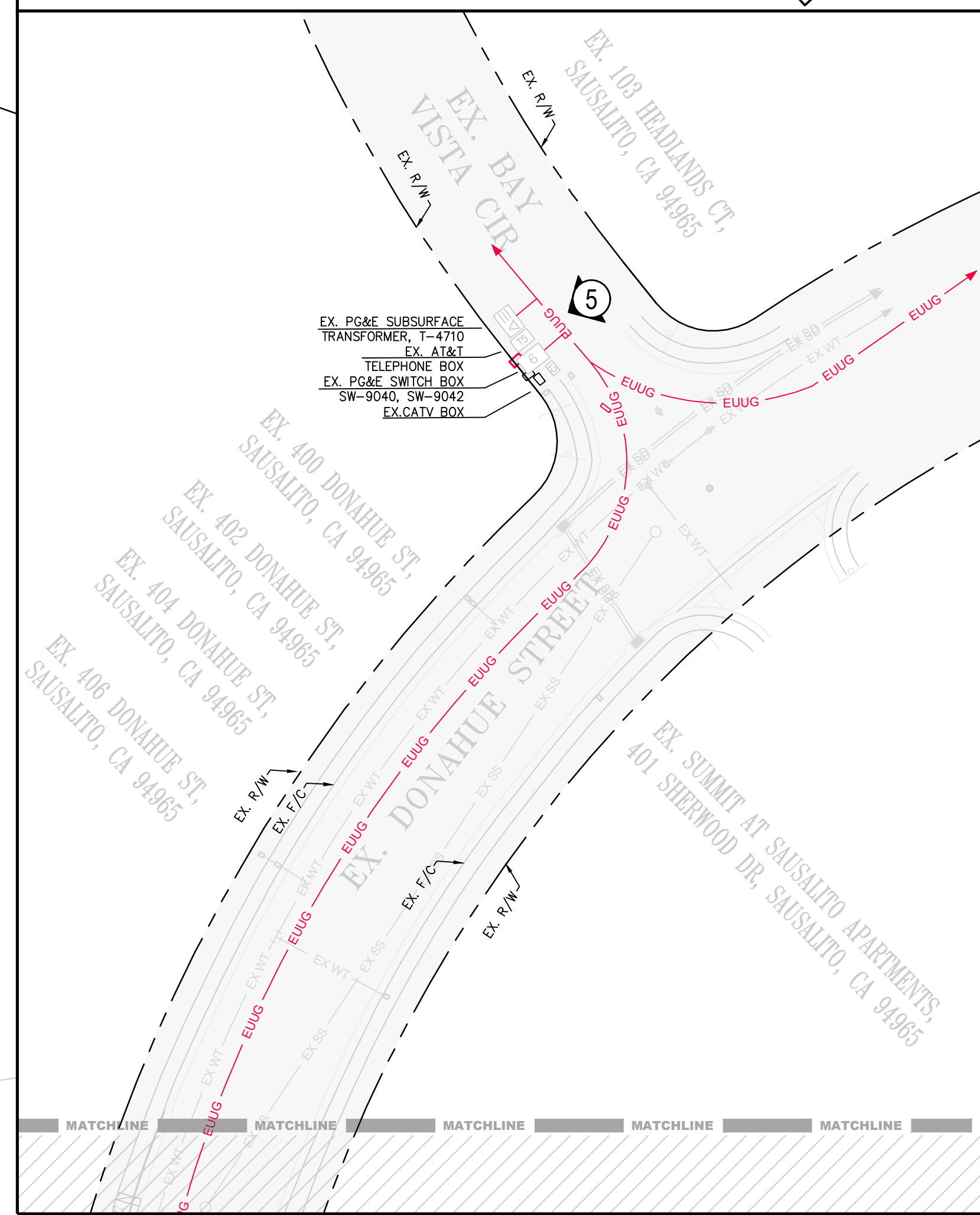
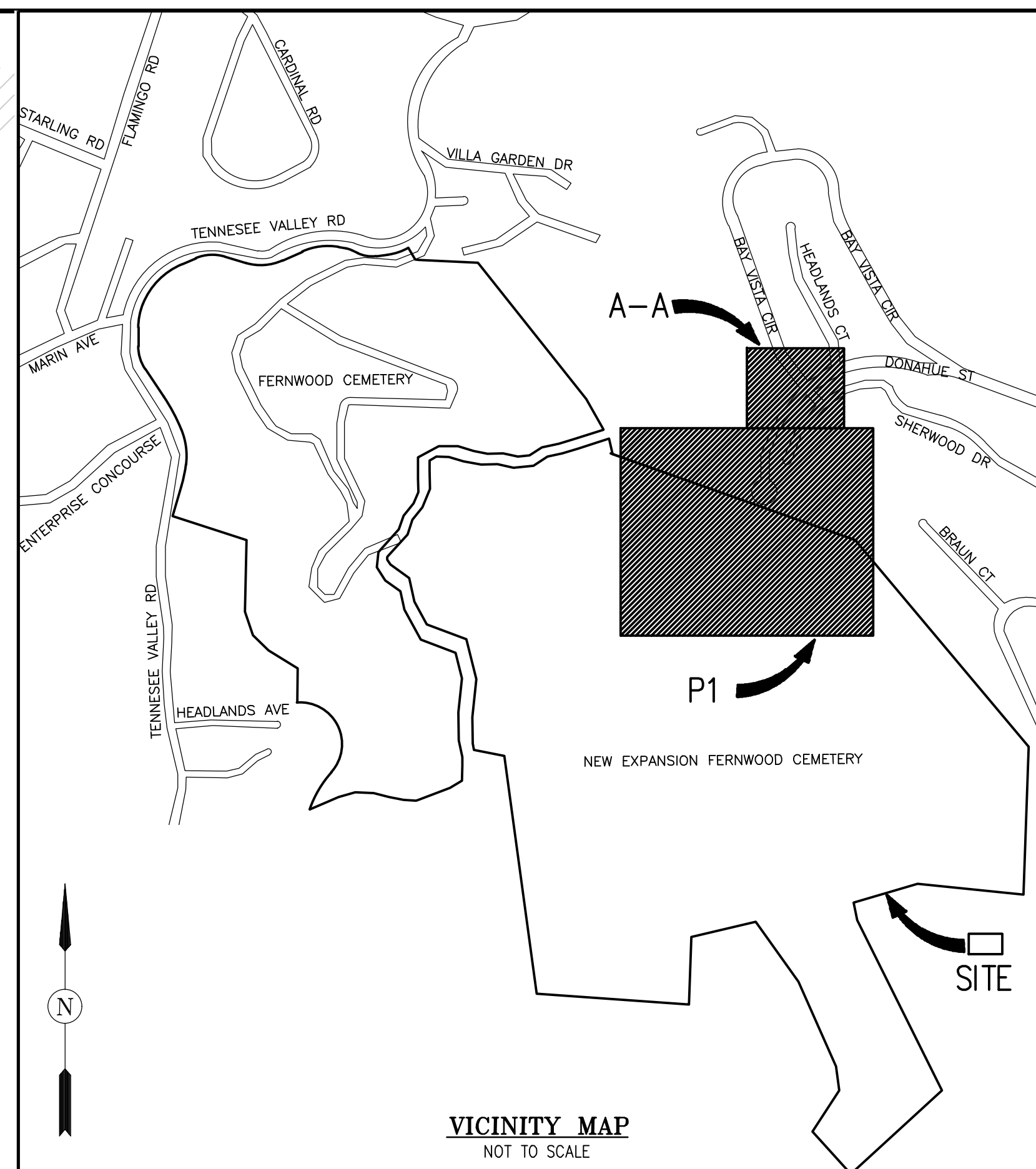
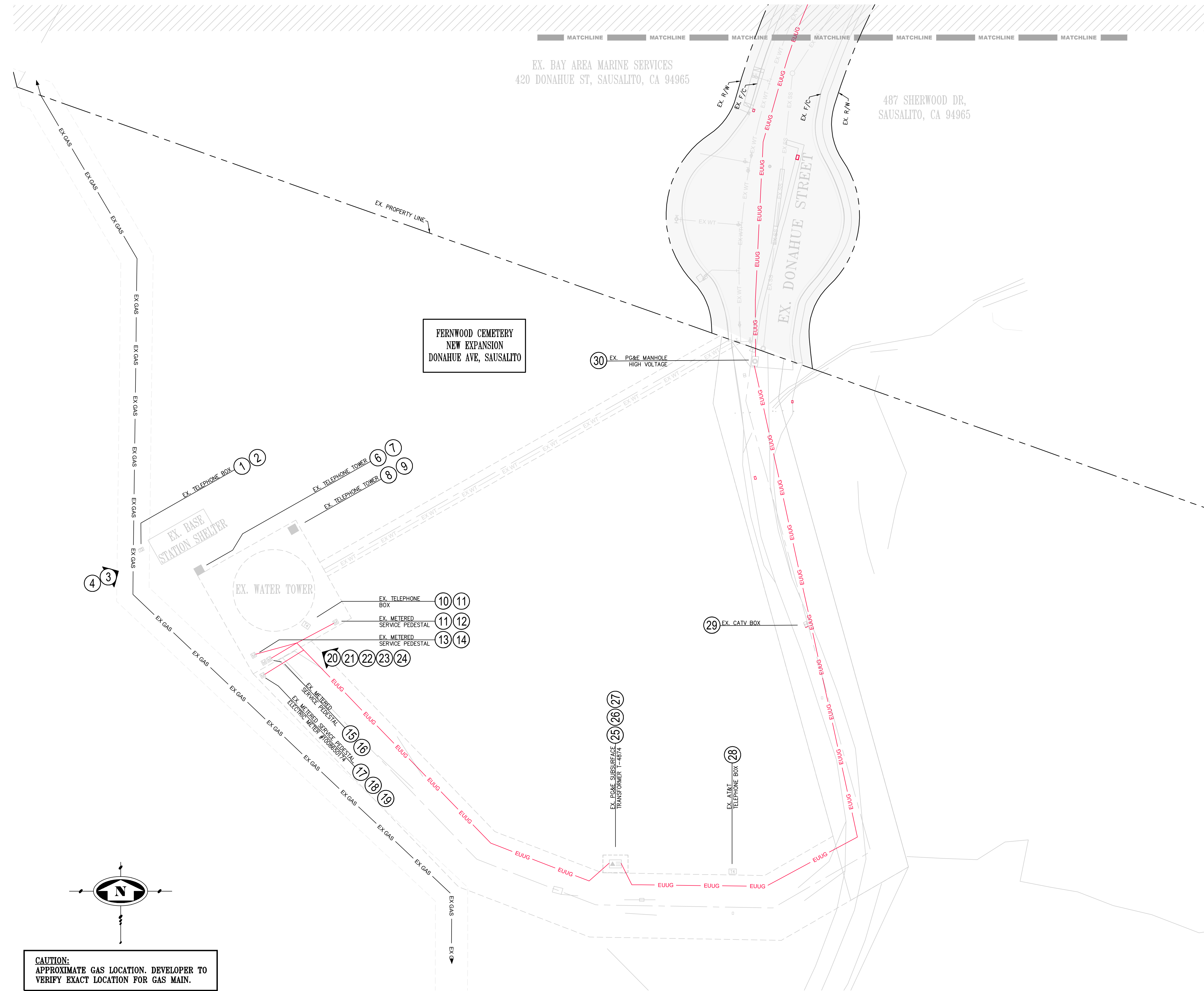
☒ **Joint Trench Composite Design / Form B IS APPROVED by PG&E:**

☐ **JT Composite Design / Form B IS NOT APPROVED by PG&E.** Please see attached checklist(s) and sketches. Future review(s) by PG&E will be at the applicant's expense.

Distribution List:

- ☒ Applicant Designer
- ☒ PG&E Job Owner

SEE SECTION A-A OF THIS SHEET TO THE RIGHT - BELOW



SECTION A-A

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Brentwood, CA 94513
(925) 240-2595
(925) 240-7013 fax
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- Fiber Optic
- T-24
- PG&E Gas Design
- PG&E Elec Design
- M. E. P. Design
- Cost Analysis
- Due Diligence

PHOTO EXHIBIT OF EXISTING CONDITIONS
 FERNWOOD CEMETERY
 301 TENNESSEE VALLEY RD
 MILL VALLEY CALIFORNIA

[illegible]

DATE: MAY 2025

SCALE: 1"=30'

JOB NO.: 225066

DATE LAST WORKED ON: 6/4/2025	
DRAWN: QC	CHECKED:
PRELIMINARY NOT FOR CONSTRUCTION	

INTENT TO CONSTRUCT



SHEET
P1

P3

OF SHEETS

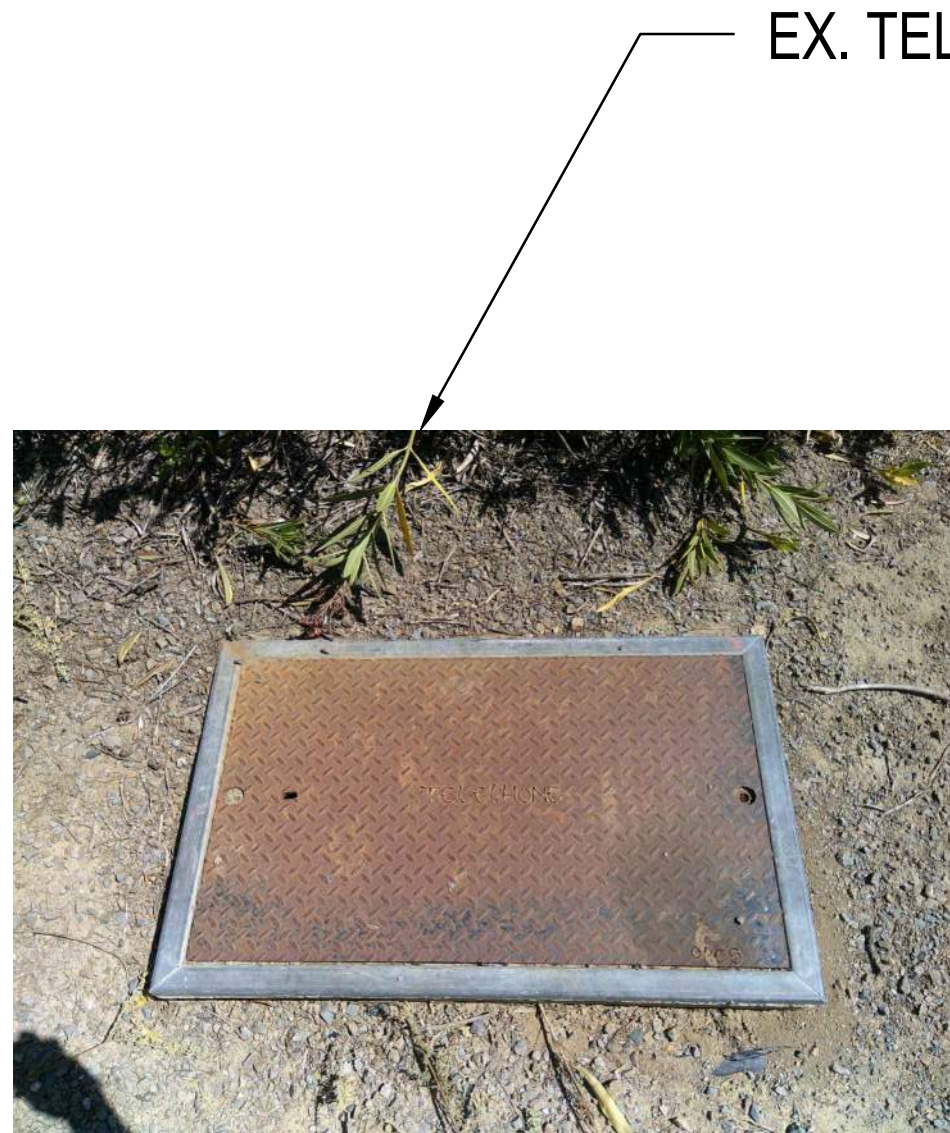


PHOTO 1

EX. TELEPHONE BOX



PHOTO 2



PHOTO 3

REFERENCE PHOTO



PHOTO 4

REFERENCE PHOTO



PHOTO 5



PHOTO 6

EX. TELEPHONE TOWER



PHOTO 7



PHOTO 8

EX. TELEPHONE TOWER



PHOTO 9

EX. TELEPHONE BOX



PHOTO 10

EX. TELEPHONE BOX



PHOTO 11

EX. METERED SERVICE PEDESTAL



PHOTO 12

EX. METERED SERVICE PEDESTAL



PHOTO 13



PHOTO 14

EX. METERED SERVICE PEDESTAL



PHOTO 15

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- Cost Analysis
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PHOTO EXHIBIT
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301 TENNESSEE VALLEY RD
MILL VALLEY CALIFORNIA

NO.	REVISIONS	BY	DATE

DATE: MAY 2025	DATE LAST WORKED ON: 6/4/2025
SCALE: NOT TO SCALE	DRAWN: QC
JOB NO.: 225066	CHECKED: KT
PRELIMINARY NOT FOR CONSTRUCTION	
INTENT TO CONSTRUCT	



SHEET
P2
OF
P3
SHEETS

EX. METERED SERVICE PEDESTAL



PHOTO 16

EX. METERED SERVICE PEDESTAL,
ELECTRIC METER #1008650174



PHOTO 17



PHOTO 18



PHOTO 19

REFERENCE PHOTO



PHOTO 20

EX. PG&E SUBSURFACE
TRANSFORMER T-4874



PHOTO 25

REFERENCE PHOTO



PHOTO 21



PHOTO 22



PHOTO 23



PHOTO 24

EX. AT&T TELEPHONE BOX



PHOTO 28

EX. CATV BOX



PHOTO 29

EX. PG&E MANHOLE
HIGH VOLTAGE



PHOTO 30

EX. PG&E SUBSURFACE
TRANSFORMER T-4874



PHOTO 26



PHOTO 27

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PHOTO EXHIBIT
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301 TENNESSEE VALLEY RD
MILL VALLEY CALIFORNIA

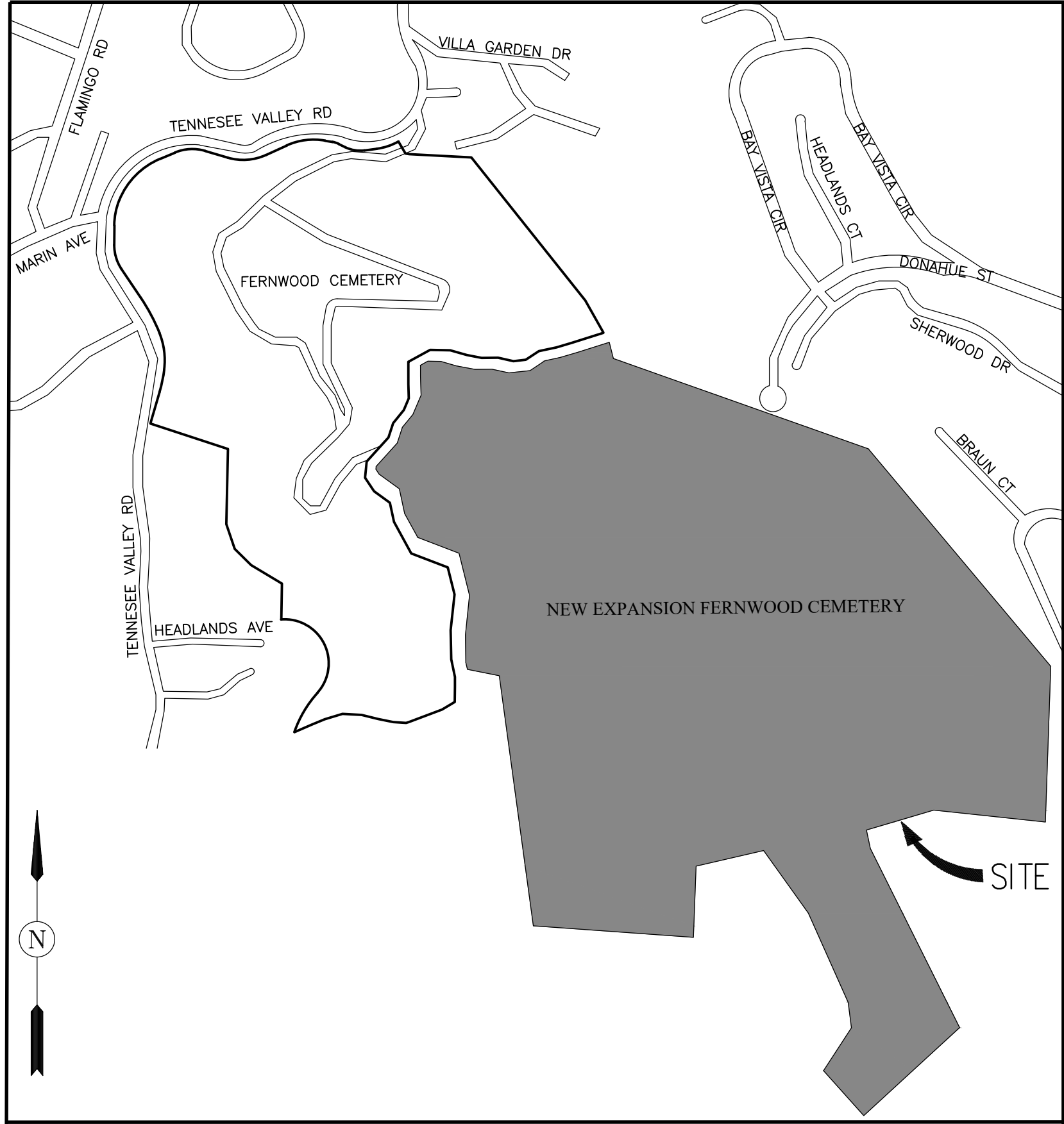
NO.	REVISIONS	BY	DATE

DATE: MAY 2025	DATE LAST WORKED ON: 6/4/2025
SCALE: NOT TO SCALE	DRAWN: QC
JOB NO.: 225066	CHECKED: KT
PRELIMINARY NOT FOR CONSTRUCTION	
INTENT TO CONSTRUCT	



SHEET
P3
OF
P3
SHEETS

FERNWOOD CEMETERY LLC.
301 TENNESSEE VALLEY ROAD
MILL VALLEY MARIN COUNTY CALIFORNIA



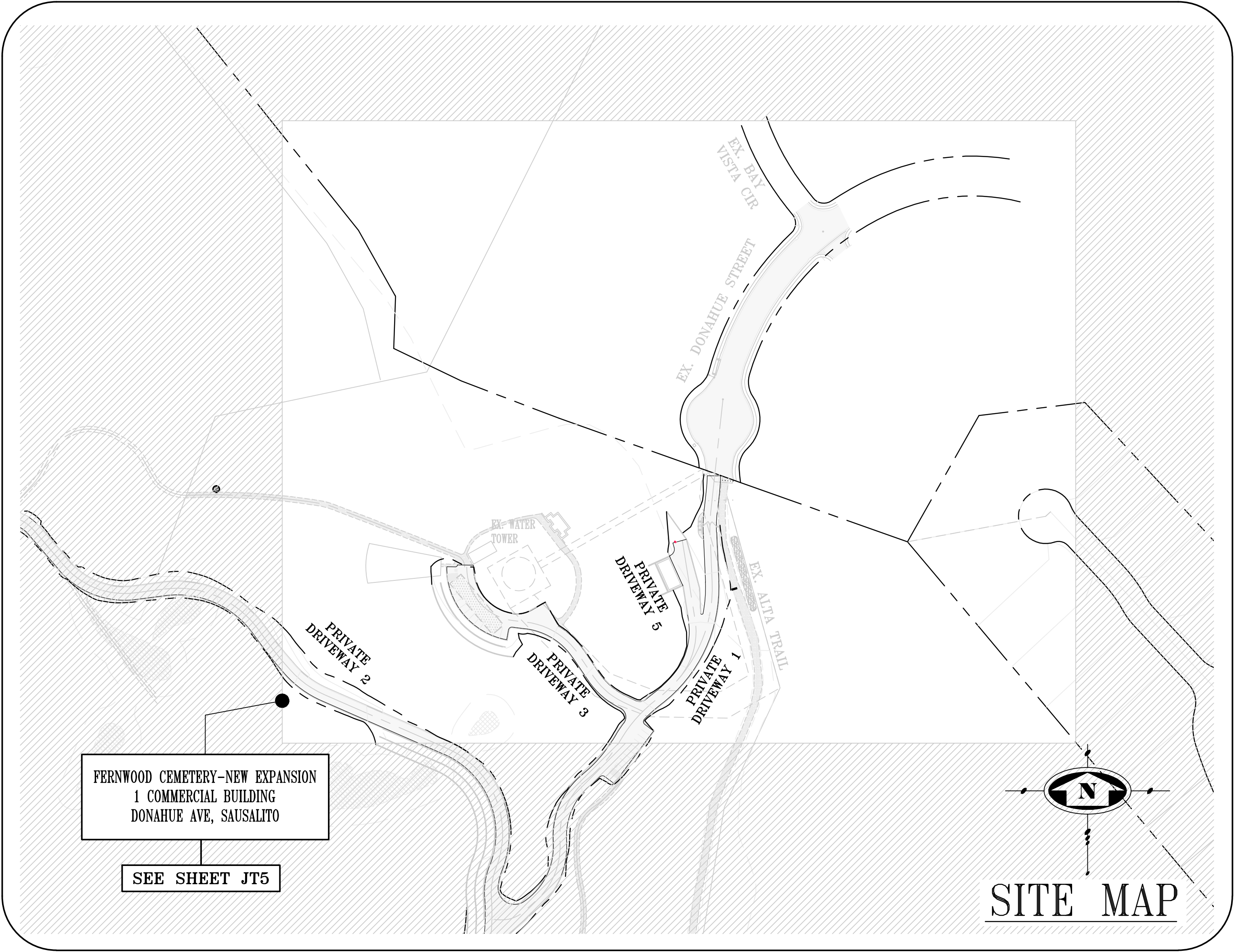
VICINITY MAP
NOT TO SCALE

SHEET INDEX

SHEET NO.	DESCRIPTION
JT1	JOINT TRENCH COMPOSITE TITLE SHEET
JT2	JOINT TRENCH GENERAL NOTES AND DETAILS
JT3	JOINT TRENCH DETAILS
JT4	JOINT TRENCH SECTIONS AND DETAILS
JT5	JOINT TRENCH COMPOSITE PLAN

389' L.F. OF JOINT TRENCH SHALL BE INSTALLED WITH THIS JOINT TRENCH PLAN SET

- 1 COMMERCIAL BUILDING
- 1 NEW FULL SERVICE (ELECTRIC & CATV)



SITE MAP

TARRAR UTILITY REP.:	KHALID TARRAR	JOB NO.	225066	PHONE NO.	(925) 240-2595
DEVELOPER:	HEATHER LENEHAN	JOB NO.	225066	PHONE NO.	(415) 383-7100
PG&E ELECTRIC COORDINATOR:	MATTHEW VANMAREN	JOB NO.	PM#35720259	PHONE NO.	(559) 706-1855
PG&E GAS COORDINATOR:	-	JOB NO.	-	PHONE NO.	-
TELEPHONE REP.:	-	JOB NO.	-	PHONE NO.	-
CABLE T.V. REP.:	THOMAS HAND	JOB NO.	225066	PHONE NO.	(916) 215-4821

FILES STATUS

DESCRIPTION:	BY:	DATE:	STATUS:
CIVIL PLANS (ELECTRONIC FILE)	ADOBE ASSOCIATES	05-20-2025	R
ARCHITECTURAL PLANS (ELECTRONIC FILE)	INTEGRATED DESIGN STUDIO	05-22-2025	R
LANDSCAPE PLANS (ELECTRONIC FILE)	INTEGRATED DESIGN STUDIO	09-11-2025	R
GAS DESIGN	-	-	-
ELECTRIC DESIGN	TARRAR UTILITY CONSULTANTS	06-25-2026	F
TELEPHONE INTENT REPLY	-	-	-
CATV INTENT REPLY	COMCAST	01-27-2026	R
STREET LIGHT PLANS - PUBLIC	-	-	-
STREET LIGHT PLANS - PRIVATE	-	-	-
SOILS REPORT	-	-	-

A = APPROVED • ANS = APPROVED NOT SIGNED • NA = NOT APPROVED • F = FIRST SUBMITTAL • SS = SECOND SUBMITTAL • R = RECEIVED

LEGEND

— JT —	PROPOSED JOINT TRENCH
— PVT JT —	PROPOSED PRIVATE JOINT TRENCH
— SVC —	PROPOSED JOINT TRENCH SERVICE
— EX JT —	EXISTING JOINT TRENCH
— GAS —	PROPOSED GAS
— EX GAS —	EXISTING GAS
— EUUG —	EXISTING UNDERGROUND ELECTRIC LINES
— EUUG —	EXISTING UNDERGROUND UTILITY LINES
— EUOH —	EXISTING OVERHEAD UTILITY LINES
— ECUG —	EXISTING UNDERGROUND CATV LINES
— ETUG —	EXISTING UNDERGROUND TELEPHONE LINES
— EUG —	PROPOSED UNDERGROUND ELECTRIC LINES
— CUG —	PROPOSED UNDERGROUND CATV LINES
— PVT SVC —	PROPOSED PRIVATE SERVICE TRENCH
	PG&E 30, PAD MOUNT TRANSFORMER, IIE PAD SIZE—90" x 106", CABINET SIZE—89"w x 90"d x 96"h
	CATV SPLICE BOX, 17" x 30" x 18"
XX-X'	JOINT TRENCH LABEL, XX INDICATES SECTION NUMBER— X' INDICATES TRENCH SECTION LENGTH
	PG&E SKETCH LOCATION NUMBER
	DESIGNATES UTILITY LINES TO BE REMOVED
	EXISTING PRIMARY SPLICE BOX
	EXISTING SECONDARY SPLICE BOX
	EXISTING TREE TO BE REMOVED
	EXISTING NON-PROTECTED TREE
	EXISTING PROTECTED TREE
	EXISTING HERITAGE TREE
	EXISTING TREE-DEAD

TARRAR UTILITY CONSULTANTS
APPROVED FOR SUBMITTAL
HAIDER KAMMOONAH
QUALIFIED APPLICANT DESIGN ENGINEER

DESIGN CHANGE COMPONENT

ANY CHANGES TO THIS DESIGN
MUST BE APPROVED BY

PG&E GAS ADE

SUBSTRUCTURE VERIFICATION STAMP

DEVELOPER NOTE AND SIGN

ALL PG&E ENCLOSURES AND BOXES HAVE BEEN SET TO GRADE
ACCORDING TO GRADE STAKES PROVIDED BY DEVELOPERS ENGINEER.
ALL COSTS TO RELOCATE OR READJUST BOXES AT A LATER DATE
WILL BE BILLED TO THE DEVELOPER. PLEASE HAVE YOUR JOB SUPT.
VERIFY THE CORRECT GRADE OF ALL ENCLOSURES AND BOXES, AND
SIGN AND DATE DRAWING.

THANK YOU

SIGNED: _____
DATE: _____

813 First Street
Brentwood, CA 94513
(925) 240-2595
(925) 240-7013 fax
www.tarrar.com

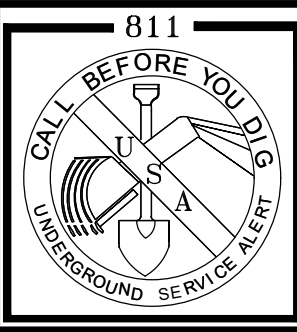
TARRAR
UTILITY CONSULTANTS

- Planning • T-24
• Design • PG&E Gas Design
• Estimating • PG&E Elec Design
• Joint Trench • M. E. P. Design
• Street Lighting • Cost Analysis
• Fiber Optic • Due Diligence

JOINT TRENCH COMPOSITE TITLE SHEET
FERNWOOD CEMETERY LLC.
301 TENNESSEE VALLEY ROAD
MILL VALLEY CALIFORNIA

NO.	REVISIONS	BY	DATE

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SHEET
JT1
OF
JT5
SHEETS

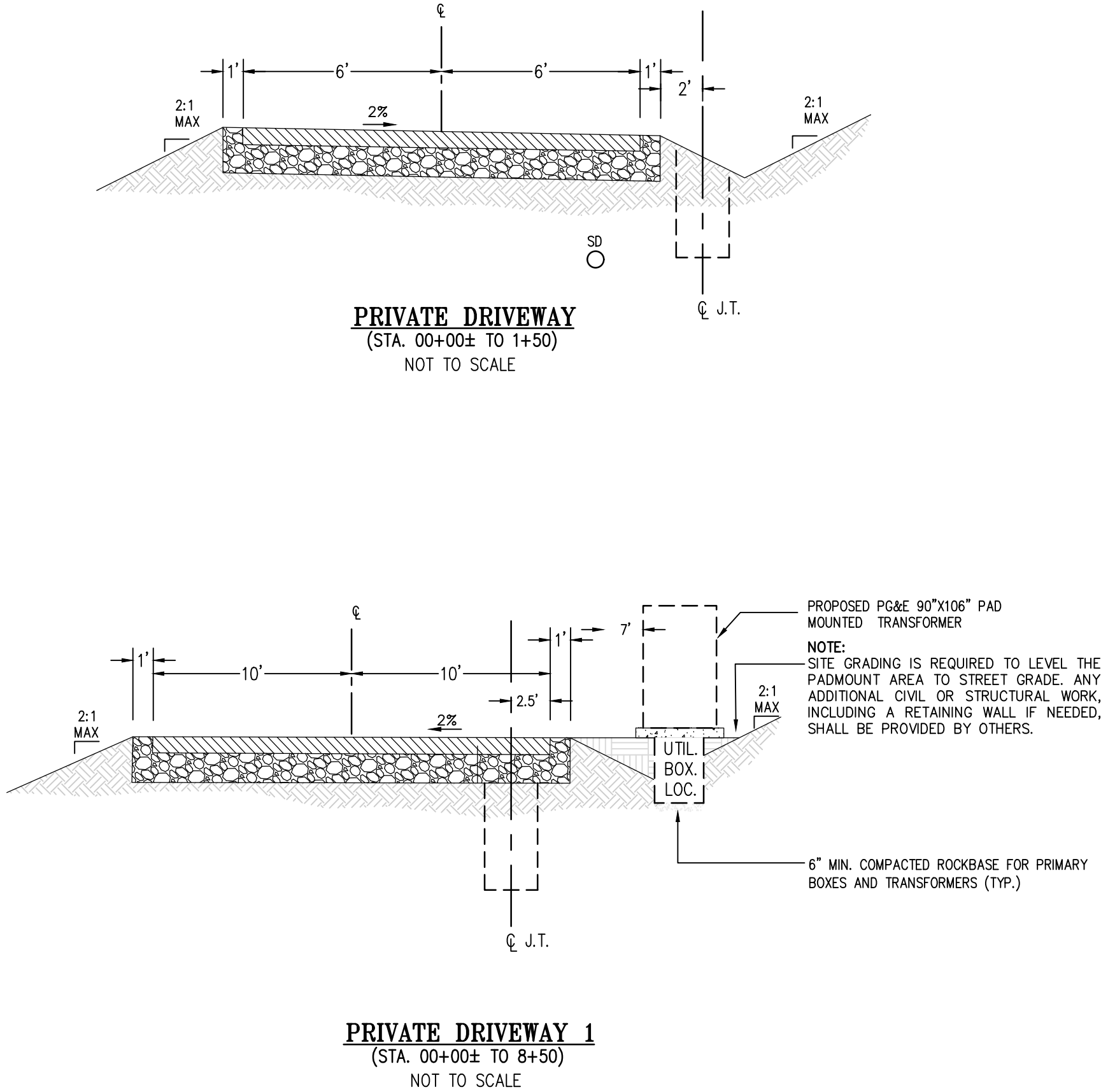
PROJECT NOTES:

1. FIELD ADJUST SERVICES TO MINIMIZE INTERFERENCE WITH EXISTING FACILITIES (TYPICAL).
2. CONTRACTOR SHALL PERFORM ALL TRENCHING, EXCAVATING, BACKFILLING AND OTHER WORK AS SHOWN OR NOTED ON PLANS, AND AS SPECIFIED ON UTILITY BID DOCUMENTS.
3. FIELD ADJUST SPLICE BOXES TO KEEP CLEAR OF SIDEWALK, DRIVEWAYS AND EXISTING FACILITIES (TYPICAL).
4. A 3 FOOT LEVEL WORKING AREA MUST BE MAINTAINED AROUND ALL ELECTRIC ENCLOSURES. PRIOR TO ENERGIZING THE SYSTEM, THE ELECTRIC UTILITY COMPANY INSPECTOR WILL DETERMINE IF RETAINING WALLS ARE REQUIRED TO MEET MINIMUM CLEARANCE BETWEEN ENCLOSURES AND THE TOPS OR TOES OF SLOPES. IF RETAINING WALLS ARE REQUIRED, THE DEVELOPER AND/OR CONTRACTOR SHALL OBTAIN THE NECESSARY PERMITS FROM THE CITY/COUNTY BUILDING DEPARTMENT PRIOR TO WALL CONSTRUCTION.
5. TRANSITION TO VAULTS FROM TRENCH NOT SHOWN, SEE TRANSITION DETAIL SHEET JT3 (TYPICAL).
6. CONTRACTOR SHALL PLACE ALL UTILITY SPLICE BOXES, ENCLOSURES & CONDUIT IN PROPER RELATIONSHIP TO FINAL GRADE (SHOWN SCHEMATICALLY).
7. ALL PG&E, TELEPHONE, CABLE T.V. AND FIBER OPTIC BOXES AND JOINT TRENCH FACILITIES ARE TO MAINTAIN A MINIMUM OF 3' SEPARATION FROM SEWER, WATER LATERALS AND DRIVEWAYS.
8. CONTRACTOR SHALL COORDINATE ALL CONNECTIONS BETWEEN PROPOSED AND EXISTING FACILITIES AS DIRECTED BY THE RESPECTIVE UTILITY COMPANY INSPECTOR. UTILITY COMPANY PERSONNEL SHALL MAKE ALL "HOT TIE-INS"; THE CONTRACTOR IS PROHIBITED FROM WORKING IN ANY ENERGIZED FACILITIES.
9. THE CONTRACTOR SHALL OBTAIN THE APPROPRIATE STREET EXCAVATION AND ENCROACHMENT PERMIT(S) FROM THE CITY/COUNTY PRIOR TO STARTING WORK IN THE PUBLIC STREET AREA.
10. FIELD LOCATE JOINT TRENCH FACILITIES TO KEEP CLEAR OF SERVICE LATERALS. SERVICE LATERALS TO BE ROUTED TO AVOID SPLICE BOX (ADDITIONAL P.U.E MAY BE REQUIRED).
11. RESPECTIVE UTILITY COMPANY TO OBTAIN CITY APPROVAL OF ALL ABOVE GROUND EQUIPMENT.
12. UNLESS OTHERWISE SHOWN ON THE PLANS, NATURAL BENDS SHALL BE USED FOR ALL CONDUIT EXCEPT STREET LIGHT CONDUIT.
13. INCIDENTAL TRENCHING TO SPLICE BOXES NOT SHOWN (TYPICAL). CONTRACTOR TO PROVIDE ADDITIONAL TRENCHING AS REQUIRED FOR CONDUIT ROUTING TO SPLICE BOXES AND CABINETS (TYPICAL).
14. ALL CONDUITS SHALL ENTER OR EXIT PERPENDICULAR TO BOX WALLS.
15. ALL CONDUITS MUST BE MANDREL TESTED AND APPROVED.
16. OFFSET SPLICE BOXES TO ROUTE TELEPHONE/FIBER OPTIC CONDUIT AS NEEDED (TYPICAL).
17. PULL ROPES SHALL BE PLACED IN ALL EMPTY CONDUITS AS REQUIRED BY EACH UTILITY COMPANY.
18. ALL PG&E SPLICE BOXES ADJACENT TO TRANSFORMER SHALL BE 26" IN DEPTH (TYPICAL).
19. ALL CONDUITS NOT ENTERING SPLICE BOXES OR ENCLOSURES SHALL BE CAPPED.
20. COORDINATE TIE-IN WITH UTILITY COMPANY AS REQUIRED.
21. THE STREET LIGHT SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE "MATERIAL AND LABOR RECAP" AND LIGHT SCHEDULE AS SHOWN ON THESE PLANS.
22. ALL EXISTING DUCTS TO BE USED IN THESE PLANS SHALL BE "VERIFIED" BY PULLING A MANDREL THROUGH THE ENTIRE EXISTING LENGTH PRIOR TO CONNECTION.
23. EDGE OF SPLICE BOXES & PEDESTALS SHALL BE 5' FROM EDGE OF FIRE HYDRANT AND 3' FROM STREET LIGHT (TYPICAL). CONTRACTOR TO AVOID DISTURBING FIRE HYDRANT THRUST BLOCK.
24. ALL UTILITY SUBSTRUCTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE "MATERIAL AND LABOR RECAP" SHOWN ON THESE PLANS
25. MAINTAIN 3' CLEARANCE AND LEVEL AREA AROUND PRIMARY SPLICE BOXES & XFMRs.
26. DUE TO UNCERTAINTIES OF THE EXACT LOCATION OF EXISTING FACILITIES, FIELD LOCATION OF PROPOSED FACILITIES MAY BE REQUIRED. CONFIRM WITH VARIOUS UTILITIES FOR EXACT PLACEMENT.
27. FOR CLARITY – BOXES/PEDESTALS ARE SHOWN AT LARGER SIZE THAN ACTUAL. FIELD ADJUST TO KEEP CLEAR OF DRIVEWAYS (TYPICAL).
28. ALL SERVICE FACILITIES SHALL BE EXTENDED TO EITHER THE PROPERTY LINE OR TO POSITION SHOWN ON THE PLANS, AND THEN CAPPED, BURIED AND LOCATION STAKED.
29. THESE PLANS WERE PREPARED UTILIZING PLANS RECEIVED FROM ADOBE ASSOCIATES (707-541-2300).

ABBREVIATION LIST

B/C	BACK OF CURB	H.P.S.	HIGH PRESSURE SODIUM	RT	RETAINING WALL
B/W	BACK OF WALK	IRR.	IRRIGATION CONTROLLER	R/W	RIGHT OF WAY
BTU	BRITISH TERM UNITS	J.T.	JOINT TRENCH	SCH.	SCHEDULE
CB	CATCH BASIN	KV	KILO-VOLTS	SD	STORM DRAIN
℄	CENTERLINE	LE	LANDSCAPE EASEMENT	SHT.	SHEET
CAT.	CATALOG	LF	LINEAR FOOT/FEET	S/W	SIDE WALK
C OR CATV	CABLE TELEVISION	MH	MANHOLE	SS	SANITARY SEWER
CFH	CUBIC FEET PER HOUR	MIN.	MINIMUM	SSE	SANITARY SEWER EASEMENT
C.I.P.	CAPITOL IMPROVEMENT PROJECT	MPOE	MINIMUM POINT OF ENTRY	ST. LT.-S/L	STREET LIGHT
CL	CENTER LINE	N.T.S.	NOT TO SCALE	SUBD'V	SUBDIVISION
CU	COPPER	O.D.	OUTER DIAMETER	Sq.Ft.	SQUARE FOOTAGE
E	ELECTRIC	O.H.	OVER HEAD	T	TELEPHONE
EP	EDGE OF PAVEMENT	PIEUE	PRIVATE INGRESS, EGRESS, AND UTILITY EASEMENT	TUC	TARRAR UTILITY CONSULTANTS
EVAE	EMERGENCY VEHICLE ACCESS EASEMENT	℄	PROPERTY LINE	TYP.	TYPICAL
EX.	EXISTING	P.S.	POWER SUPPLY	T/S	TRAFFIC SIGNAL
F/C	FACE OF CURB	PROJ.	PROJECT	U.G.	UNDERGROUND
FH	FIRE HYDRANT	PSDE	PRIVATE STORM DRAIN EASEMENT	U.O.N.	UNLESS OTHERWISE NOTED
FUT.	FUTURE	PSE	PUBLIC SERVICE EASEMENT	V	VOLT
F.O.	FIBER OPTIC	PVAW	PRIVATE VEHICLE ACCESS WAY	W	WATT
G	GAS	P.V.C.	POLY VINYL CHLORIDE	WT	WATER
GALV.	GALVANIZE	P.W.E	PUBLIC WATER LINE EASEMENT	W/	WITH
G.E.	GENERAL ELECTRIC	PWR	POWER	W/O	WITHOUT
GRD.	GROUND	PUE	PUBLIC UTILITY EASEMENT	WLE	WATER LINE EASEMENT
H.O.A.	HOME OWNERS ASSOCIATION			XFMR	TRANSFORMER

JOINT TRENCH AND UTILITY BOX LOCATION



JOINT TRENCH STREET SECTIONS

NOT TO SCALE
NOTE: SEE PLANS FOR CONFIGURATIONS AND ARRANGEMENTS.
* UNLESS OTHERWISE SHOWN

WITHIN ROADWAY SECTION
(95% RELATIVE COMPACTION FOR THE TOP 6"
BELOW ROAD SUBGRADE AND 90% BELOW THAT)

GENERAL NOTES:

1. ALL JOINT TRENCH CONSTRUCTION WORK SHALL BE IN ACCORDANCE WITH PG&E UTILITY OPERATIONS UO STANDARD S5453.
2. ALL WORK SHALL BE SUBJECT TO THE INSPECTION AND SATISFACTION OF ALL PARTICIPATING UTILITIES AND CITY INSPECTORS.
3. BACKFILL SELECTION SHALL BE SUBJECT TO THE APPROVAL OF THE RESPECTIVE UTILITY COMPANIES, THE SOILS ENGINEER AND THE CITY AND/OR COUNTY WHERE THE PROJECT IS LOCATED. CONSULT PARTICIPATING UTILITIES, SOILS ENGINEER, AND THE CITY FOR APPROVED BACKFILL MATERIAL. COMPACTION TO MEET LOCAL AGENCIES REQUIREMENTS.
4. THE BOTTOM OF THE TRENCH SHALL BE CLEARED OF ROCKS AND OTHER HARD SURFACES. DISTRIBUTION TRENCHES WITHOUT TELEPHONE CONDUIT DO NOT REQUIRE BEDDING MATERIAL. SERVICE TRENCHES WITHOUT TELEPHONE CONDUIT REQUIRE 2" SAND BEDDING AS A PAD ON WHICH UTILITY FACILITIES CAN REST. SERVICE TRENCHES CONTAINING TELEPHONE CONDUIT ONLY REQUIRE A 1" SAND BEDDING. ALL OTHER TRENCHES CONTAINING TELEPHONE CONDUIT REQUIRE A 3" SAND BEDDING. REFER TO PG&E GREEN BOOK PUBLICATION S5453, EXHIBIT B AND AT&T SPEC95 "AT&T SPECIFICATIONS" TRENCHING AND CONDUIT GUIDE FOR FURTHER INFORMATION.
5. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE PAVEMENT AND/OR SIDEWALK WHERE REMOVED OR DAMAGED AS A RESULT OF ITS OPERATION (UNLESS OTHERWISE NOTED). REPLACEMENT OF PAVEMENT AND/OR SIDEWALK TO BE PER CITY SPECIFICATIONS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE AND NOTIFY ALL PARTICIPATING UTILITY INSTALLATIONS.
7. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT FIRST NOTIFYING TARRAR UTILITY CONSULTANTS.
8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXISTENCE AND/OR PRECISE LOCATION OF ALL UNDERGROUND FACILITIES PRIOR TO THE START OF CONSTRUCTION. TARRAR UTILITY CONSULTANTS MAKES NO WARRANTY WHATSOEVER THAT THE EXISTING UNDERGROUND UTILITIES AND/OR STRUCTURES DEPICTED ON THE PLANS HAVE BEEN ACCURATELY LOCATED OR THAT THERE ARE NO OTHER UNDERGROUND UTILITIES AND STRUCTURES IN ADDITION TO WHAT HAS BEEN SHOWN. CALL U.S.A. A MINIMUM OF 48 HOURS PRIOR TO STARTING CONSTRUCTION. FOR CALIFORNIA NORTH, (KERN COUNTY AND NORTHERLY, AND NEVADA) CALL (800)227-2600. FOR CALIFORNIA SOUTH, (SAN BERNARDINO COUNTY AND SOUTHERLY) CALL (800)422-4133.
9. CONTRACTOR SHALL COMPLY WITH ALL STATE, COUNTY AND CITY LAWS AND ORDINANCES AND WITH THE REGULATIONS OF THE DEPARTMENT OF INDUSTRIAL RELATIONS, O.S.H.A. AND ANY OTHER GOVERNMENTAL AGENCY RELATING TO THE SAFETY AND CHARACTER OF WORK, EQUIPMENT AND LABOR PERSONNEL.
10. THE DRAWINGS AND SPECIFICATIONS SHALL BE CONSIDERED TO BE COMPLEMENTARY TO EACH OTHER. ANYTHING SHOWN ON THE DRAWINGS AND NOT MENTIONED IN THE SPECIFICATIONS, OR MENTIONED IN THE SPECIFICATIONS AND NOT SHOWN ON THE DRAWINGS, SHALL BE OF LIKE EFFECT AS IF SHOWN ON OR MENTIONED IN BOTH. IF DISCREPANCY IS FOUND, NOTIFY TARRAR UTILITY CONSULTANTS PRIOR TO STARTING WORK.
11. TRENCH AND CONDUIT LAYOUTS ARE SHOWN SCHEMATICALLY.
12. TRENCHING OR SUBSTRUCTURE EXCAVATION MAY NECESSITATE OPERATION OVER, UNDER, OR ADJACENT TO OTHER UNDERGROUND UTILITIES (STORM, SEWER, WATER, ETC...). THE CONTRACTOR IS RESPONSIBLE TO LOCATE, PROSPECT, EXPOSE AND PROTECT ALL ADJACENT OR CROSSING UNDERGROUND UTILITIES. THIS WORK TO PROTECT THOSE UTILITIES IS NOT CONSIDERED AS EXTRA WORK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW IMPROVEMENT PLANS, IN CONJUNCTION WITH THIS PLAN, AND BID THE WORK ACCORDINGLY.
13. THE QUANTITIES SHOWN ON THESE PLANS ARE ONLY ESTIMATES OF WHAT WILL ACTUALLY BE REQUIRED FOR THE CONSTRUCTION OF THE OVERALL PROJECT. FINAL QUANTITIES MAY VARY ACCORDING TO CHANGES, ADDITIONS, DELETIONS OR OMISSIONS ON THE ORIGINAL PLAN.
14. VERIFY ALL SUBSTRUCTURE EXCAVATION DIMENSIONS WITH SUPPLIER(S) BEFORE BIDDING.
15. TARRAR UTILITY CONSULTANTS ASSUMES NO RESPONSIBILITY FOR ANY VARIANCE BETWEEN THESE PLANS AND THE ACTUAL FIELD CONDITIONS. THE CONTRACTOR SHOULD REVIEW THE PROJECT SITE PRIOR TO SUBMITTING ITS BID.
16. THE CONTRACTOR IS REQUIRED TO EXCAVATE BELL HOLE(S) AT TIE-IN LOCATIONS AS DIRECTED BY PARTICIPATING UTILITY.
17. CONTRACTOR WILL COMPLY WITH ALL LAWS, ORDINANCES AND REGULATIONS. CONTRACTOR SHALL BE FAMILIAR WITH O.S.H.A. INDUSTRIAL ORDERS AND SHALL CONDUCT HIS WORK ACCORDINGLY. WHEN WORKING ENERGIZED EQUIPMENT, THE UTILITY OWNER SHALL BE NOTIFIED TO SUPPLY THE APPROPRIATE MAN POWER AND SAFETY PRECAUTIONS AS NEEDED. THE CONTRACTOR IS RESPONSIBLE FOR PUBLIC SAFETY AND TRAFFIC CONTROL MEASURES.
18. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE AS-BUILT DRAWINGS AFTER INSTALLATION OF PG&E'S GAS AND ELECTRIC SYSTEMS (PRIOR TO "HOT TIE-INS").
19. THE CITY INSPECTOR SHALL BE NOTIFIED TWO WORKING DAYS PRIOR TO COMMENCEMENT OF WORK. COORDINATE WITH THE INSPECTOR ANY SERVICES TO BE ABANDONED.
20. THE CONTRACTOR IS TO VERIFY THE RIGHT OF WAY, PUBLIC UTILITY EASEMENT AND/OR PUBLIC SERVICE EASEMENT ACQUISITION WITH THE APPLICANT PRIOR TO CONSTRUCTION WITHIN AREAS OF QUESTION.
21. PG&E'S GENERAL TERM AND CONDITIONS FOR GAS AND ELECTRIC EXTENSION AND SERVICE CONSTRUCTION BY "APPLICANT" (EFFECTIVE 07/1/95) TO BE UTILIZED FOR ALL TRENCHING, BACKFILLING, AND INSTALLATION WORK.
22. IN THE EVENT OF DISPUTES OR DISAGREEMENT OVER ANY INSTALLATIONS, DESIGNS, PLANS OR DRAWINGS, THE SPECIFICATIONS AND REQUIREMENTS OF THE INDIVIDUAL UTILITY COMPANIES AND THEIR INSPECTORS SHALL TAKE PRECEDENCE. IN CASE OF DISCREPANCIES WITHIN THE DRAWINGS AND SPECIFICATIONS HEREIN, THE CONTRACTOR SHALL CONSULT TARRAR UTILITY CONSULTANTS FOR INTERPRETATION BEFORE WORK IS STARTED.
23. TARRAR UTILITY CONSULTANTS HEREIN, ASSUMES NO RESPONSIBILITY WHATSOEVER FOR THE QUALITY, QUANTITY OR TIMING OF WORK TO BE PERFORMED BY THE CONTRACTOR, UTILITY COMPANY CONSTRUCTION CREWS, OR OTHER SUB-CONTRACTOR OF DEVELOPER.
24. ALL TRENCHING, BACKFILLING AND INSTALLATION WORK IS TO BE IN ACCORDANCE WITH THE STANDARD PRACTICES AND SPECIFICATIONS OF EACH UTILITY COMPANY PARTICIPATING IN THE UTILITY TRENCHES WITHIN THE PROJECT.
25. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING POINTS OF ACCESS THAT ARE AGREEABLE TO ADJACENT LAND USES AND TENANTS AT ALL TIMES.
26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ASCERTAINING WHAT INSPECTIONS WILL BE REQUIRED FOR APPROVAL OF THE WORK AND FOR COORDINATING ALL SUCH INSPECTIONS. THE CONTRACTOR SHALL GIVE AT LEAST 48 HOURS PRIOR NOTICE TO THE CITY, SOILS ENGINEER, UTILITY COMPANIES OR ANY OTHER INDIVIDUALS OR PUBLIC AGENCIES, THAT THE WORK IS READY FOR INSPECTION.
27. THE CONTRACTOR SHALL NOTIFY DEVELOPER 48 HOURS PRIOR TO THE NEED FOR SURVEY STAKING. THE CONTRACTOR IS RESPONSIBLE FOR THE PRESERVATION OF ALL CONSTRUCTION STAKING SET BY THE DEVELOPER'S SURVEYORS AND WILL BE BACK CHARGED FOR ANY RE-STAKING THAT IS REQUIRED. ANY EXTRA CONSTRUCTION STAKING NECESSITATED SOLELY BY THE CONTRACTOR'S NEGLIGENCE WILL BE CHARGED TO AND PAID FOR BY THE CONTRACTOR.
28. ALL TRANSFORMERS AND TRANSFORMER PADS ARE TO BE INSTALLED PER PG&E SPECIFICATIONS. PROTECTIVE BOLLARDS ARE TO BE PLACED WHERE NEEDED.
29. THE CONTRACTOR SHALL MAKE HIMSELF FAMILIAR WITH THE PROJECT IMPROVEMENT PLANS AND CONDUCT HIS WORK ACCORDINGLY.
30. KEEP ALL BOXES AND PEDESTALS WITHIN PUBLIC UTILITY EASEMENTS OR RIGHT OF WAY. AS SHOWN.
31. ALL SAND BACKFILL MUST HAVE TESTING OF PH LEVEL AS WELL AS SAND EQUIVALENT. SEE CITY OF MILL VALLEY REQUIREMENTS.
32. THE PROPOSED CONSTRUCTION OPERATION MAY TAKE PLACE AT OR NEAR FENCE LINES, PROPERTY LINES AND PROPERTY IMPROVEMENTS PRIOR TO CONSTRUCTION, CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING THESE AREAS AND FOR MAINTAINING THESE AREAS AND FACILITIES AT ALL TIMES DURING THE CONSTRUCTION OPERATION.
33. THE CONTRACTOR ASSUMES SOLE AND COMPLETE RESPONSIBILITY FOR THE SITE CONDITION AND SHALL DEFEND AND HOLD THE DEVELOPER AND TARRAR UTILITY CONSULTANTS HARMLESS FROM ANY ALLEGED CLAIMS OR LIABILITIES, EXCEPT THOSE ARISING FROM SOLE NEGLIGENCE OF THE DEVELOPER OR TARRAR UTILITY CONSULTANTS.
34. THE APPROXIMATE LOCATIONS OF ALL EXISTING UTILITY COMPANY UNDERGROUND LINES, POLES BOXES, ETC., WERE OBTAINED FROM A REVIEW OF AVAILABLE UTILITY COMPANY RECORDS, REPRESENTATIONS OF UTILITY COMPANY PERSONAL, OR FIELD OBSERVATIONS. NEITHER THE DEVELOPER NOR TARRAR UTILITY CONSULTANTS ASSUME ANY RESPONSIBILITY FOR VARIANCES BETWEEN THESE PLANS AND THE ACTUAL FIELD CONDITIONS. NO EXTRA PAYMENT WILL BE MADE TO THE CONTRACTOR FOR ANY ADDITIONAL TRENCHING, BOX EXCAVATIONS, MATERIALS, ETC., THAT MAY BE REQUIRED TO COMPLETE THIS PROJECT IN THE EVENT AN EXISTING TIE-IN POINT SUBSTRUCTURE IS EITHER NON-EXISTING OR IS NOT SHOWN ON THE PLANS IN ITS ACTUAL FIELD POSITION. IT IS THE CONTRACTOR'S OBLIGATION AND RESPONSIBILITY TO SAFELY LOCATE ALL EXISTING UNDERGROUND FACILITIES BY SURFACE MARKING AND/OR HAND EXCAVATION PRIOR TO STARTING CONSTRUCTION.
35. "DEVELOPER AND/OR CONTRACTOR IS RESPONSIBLE TO OBTAIN A CITY OF MILL VALLEY ENCROACHMENT PERMIT FOR ALL WORK DONE IN THE PUBLIC RIGHT OF WAY. DEVELOPER AND/OR CONTRACTOR IS ALSO RESPONSIBLE TO PROVIDE JOINT TRENCH PLANS TO THE CITY OF MILL VALLEY AT THE TIME OF APPLICATION FOR THE ENCROACHMENT PERMIT."

813 First Street
Brentwood, CA 94513
(925) 240-2595
(925) 240-7013 fax
www.tarrar.com

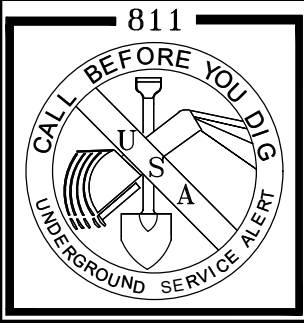
TARRAR
UTILITY CONSULTANTS

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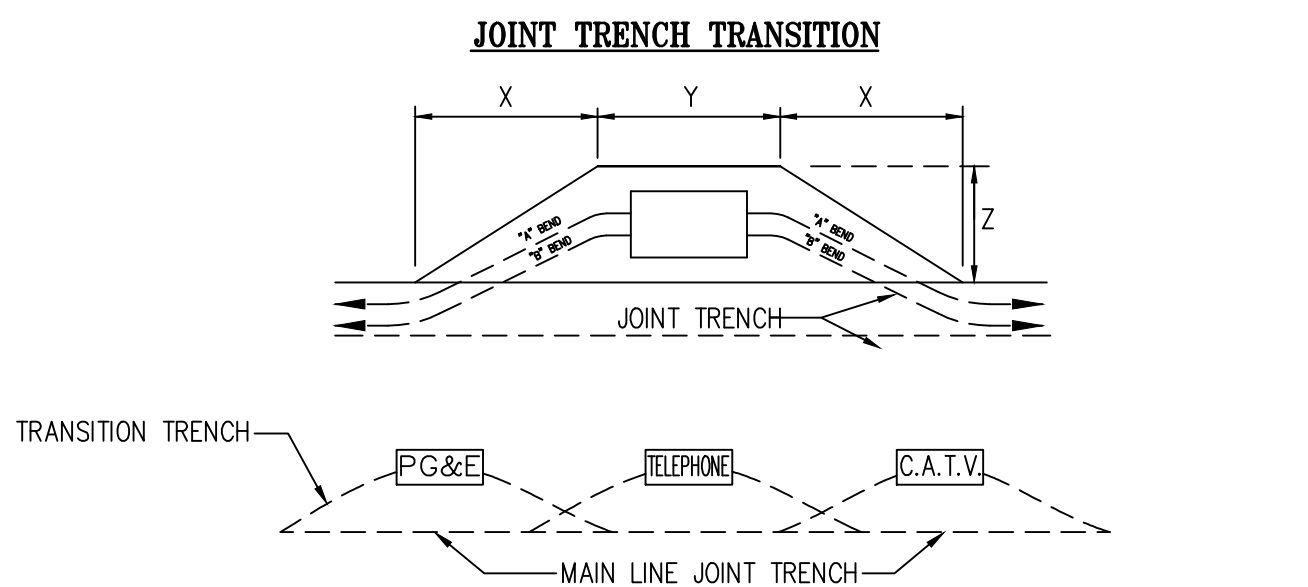
JOINT TRENCH GENERAL NOTES AND DETAILS
FERNWOOD CEMETERY LLC.
301 TENNESSEE VALLEY ROAD
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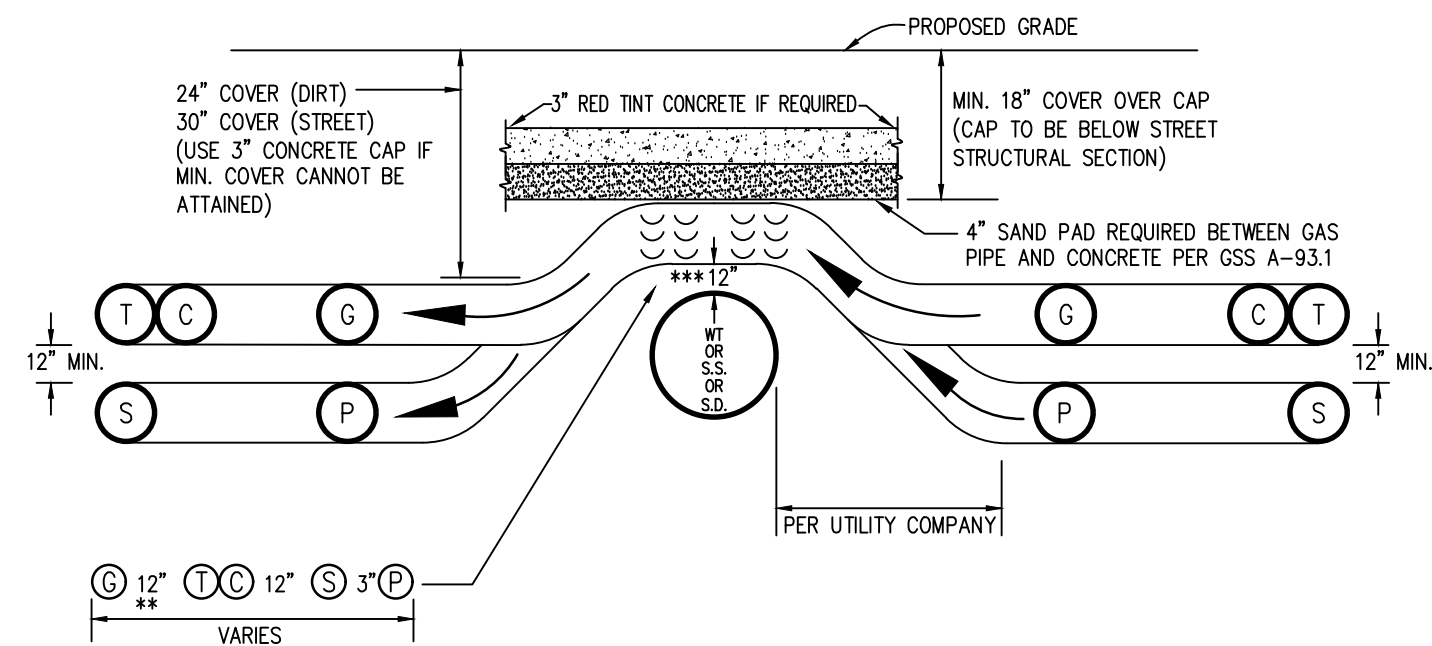
SHEET
JT2
OF
JT5
SHEETS



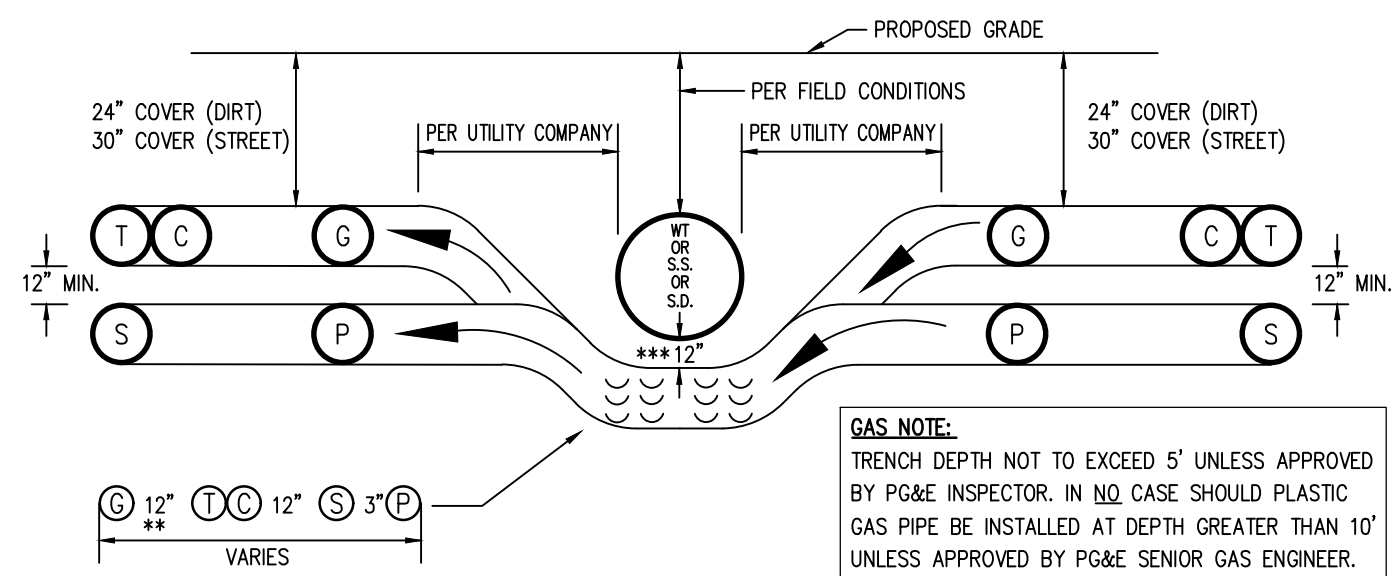
DISTANCE (when conduit enters box)					
BEND	PRIMARY BOX SIZE	"X"	"Y"	"Z"	NOTES
"A"	3' x 5'	24"	7"	5'	BEND IS 60° RADIUS WITH AN ANGLE OF 10 DEG. USE 2-5 COUPLINGS WITH 1-5' CONDUIT SECTION FOR EACH BEND SHOWN.
	4'-6" x 8'-6"	24"	11"	7'	
"B"	3' x 5'	32"	7"	5'	BEND IS 30° RADIUS WITH AN ANGLE OF 15 DEG. USE 3-5 COUPLINGS WITH 2-2 1/2' CONDUIT SECTION FOR EACH BEND SHOWN.
	4'-6" x 8'-6"	32"	11"	7'	

- NOTE:**
- CONTRACTOR TO EXCAVATE TRANSITIONS FROM MAIN-LINE TRENCH TO VAULTS AS REQUIRED BY EACH UTILITY.
 - TRANSITIONS NOT SHOWN ON COMPOSITE DRAWING FOR CLARITY.
 - CONTRACTOR TO INCLUDE COST OF TRANSITIONS IN VAULT EXCAVATION COST.

DETAIL 1 TYPICAL PRIMARY BOX EXCAVATION USING CONDUIT
N.T.S. JT3



**JOINT TRENCH OVER WATER, SANITARY SEWER OR STORM DRAIN
CHOICE 1 (PREFERRED METHOD)**



**JOINT TRENCH UNDER WATER, SANITARY SEWER OR STORM DRAIN
CHOICE 2 (OPTIONAL METHOD)**

- SEE MINIMUM COVER & CLEARANCE CHART
- WITH MUTUAL AGREEMENT, WHEN 4" O.D. OR SMALLER GAS PIPE IS INSTALLED SEPARATION MAY BE REDUCED TO NOT LESS THAN 6" BETWEEN GAS AND COMMUNICATION DUCTS (TELEPHONE & CATV).
- 6" MINIMUM REQUIRED BY PG&E-ADDITIONAL CLEARANCE MAYBE REQUIRED BY CITY OR COUNTY

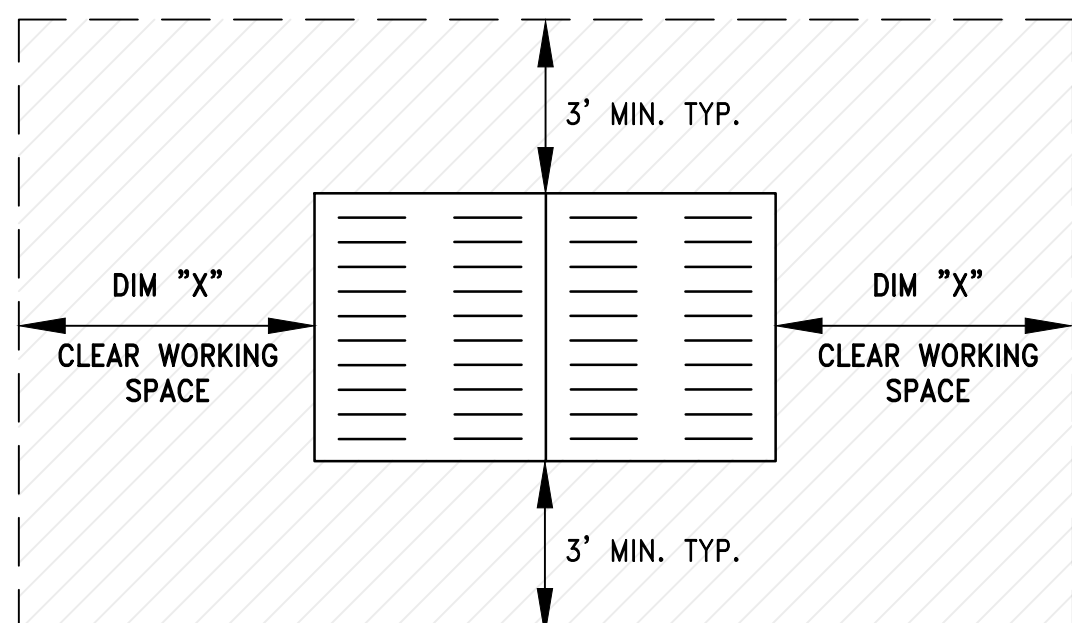
DETAIL 2 OVER UNDER DETAILS
N.T.S. JT3

CONSTRUCTION LABOR AND MATERIAL RESPONSIBILITY

PUBLIC UTILITY SYSTEM (JOINT TRENCH)

TRENCHING:	PG&E	ELECTRIC	TELEPHONE	C.A.T.V.	CONTRACTOR
EXCAVATE, BACKFILL AND COMPACT:	○	○	○	○	●
GAS MATERIAL:	○	○	○	○	●
FURNISH:	○	○	○	○	●
INSTALL:	○	○	○	○	●
ELECTRIC CABLE:	○	○	○	○	●
FURNISH:	○	○	○	○	●
INSTALL:	○	○	○	○	●
ELECTRIC CONDUIT:	○	○	○	○	●
FURNISH:	○	○	○	○	●
INSTALL:	○	○	○	○	●
ELECTRIC SPLICE BOXES:	○	○	○	○	●
EXCAVATE:	○	○	○	○	●
FURNISH:	○	○	○	○	●
INSTALL:	○	○	○	○	●
ELECTRIC TMFR. ENCLS.:	○	○	○	○	●
EXCAVATE:	○	○	○	○	●
FURNISH:	○	○	○	○	●
INSTALL:	○	○	○	○	●
ELECTRIC EQUIP. ENCLS.:	○	○	○	○	●
EXCAVATE:	○	○	○	○	●
FURNISH:	○	○	○	○	●
INSTALL:	○	○	○	○	●
ELECTRIC TMFR. PADS:	○	○	○	○	●
GRADE:	○	○	○	○	●
FURNISH:	○	○	○	○	●
INSTALL:	○	○	○	○	●
ELECTRIC SWITCH PADS:	○	○	○	○	●
GRADE:	○	○	○	○	●
FURNISH:	○	○	○	○	●
INSTALL:	○	○	○	○	●
TELEPHONE CONDUIT:	○	○	○	○	●
FURNISH:	○	○	○	○	●
INSTALL:	○	○	○	○	●
TELEPHONE CABLE:	○	○	○	○	●
FURNISH:	○	○	○	○	●
INSTALL:	○	○	○	○	●
TELEPHONE SPLICER BOX:	○	○	○	○	●
EXCAVATE:	○	○	○	○	●
FURNISH:	○	○	○	○	●
INSTALL:	○	○	○	○	●
TELEPHONE INTER. PADS:	○	○	○	○	●
GRADE:	○	○	○	○	●
FURNISH:	○	○	○	○	●
INSTALL:	○	○	○	○	●
C.A.T.V. CONDUITS:	○	○	○	○	●
INSTALL:	○	○	○	○	●
C.A.T.V. SPLICE BOXES:	○	○	○	○	●
EXCAVATE:	○	○	○	○	●
FURNISH:	○	○	○	○	●
INSTALL:	○	○	○	○	●

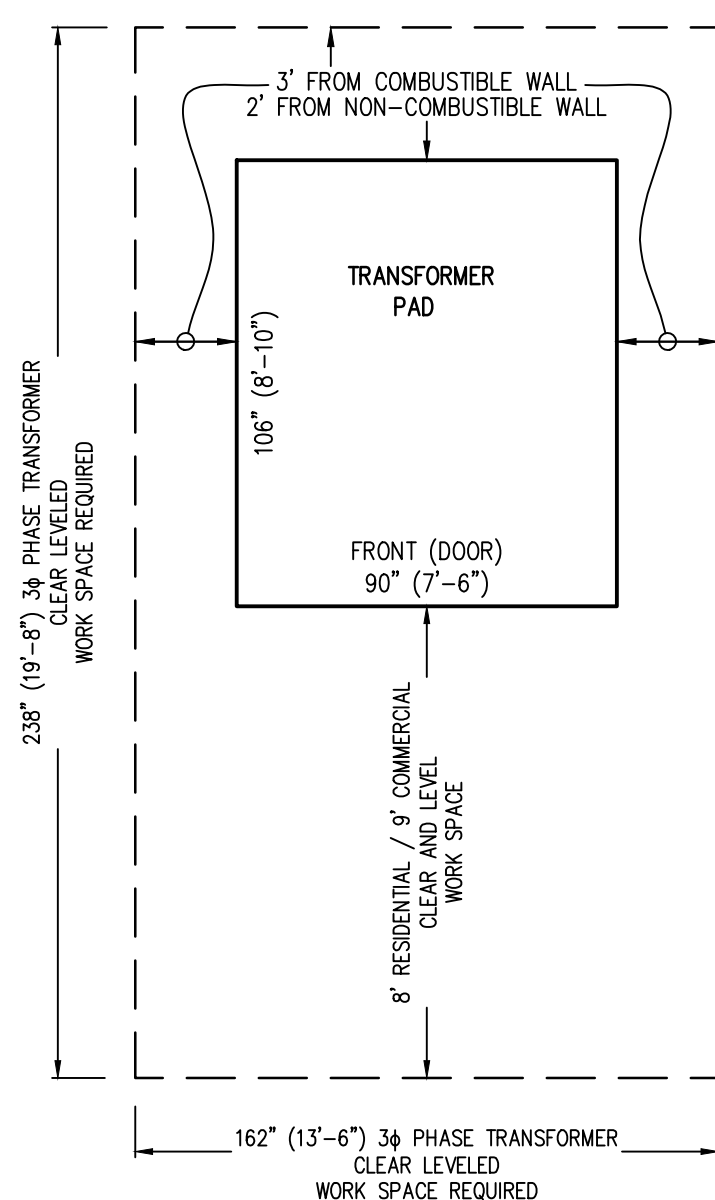
● DESIGNATES THE WORK TO BE PERFORMED BY THE CONTRACTOR AND EACH UTILITY COMPANY.



DIM "X"

3' MIN. 3'0" x 5'0" ENCLOSURES
4' MIN. 4' x 6'6" x 5'0" ENCLOSURES
5' MIN. 4'6" x 8'6" x 6'0" ENCLOSURES
(OR EASEMENT REQUIRED)

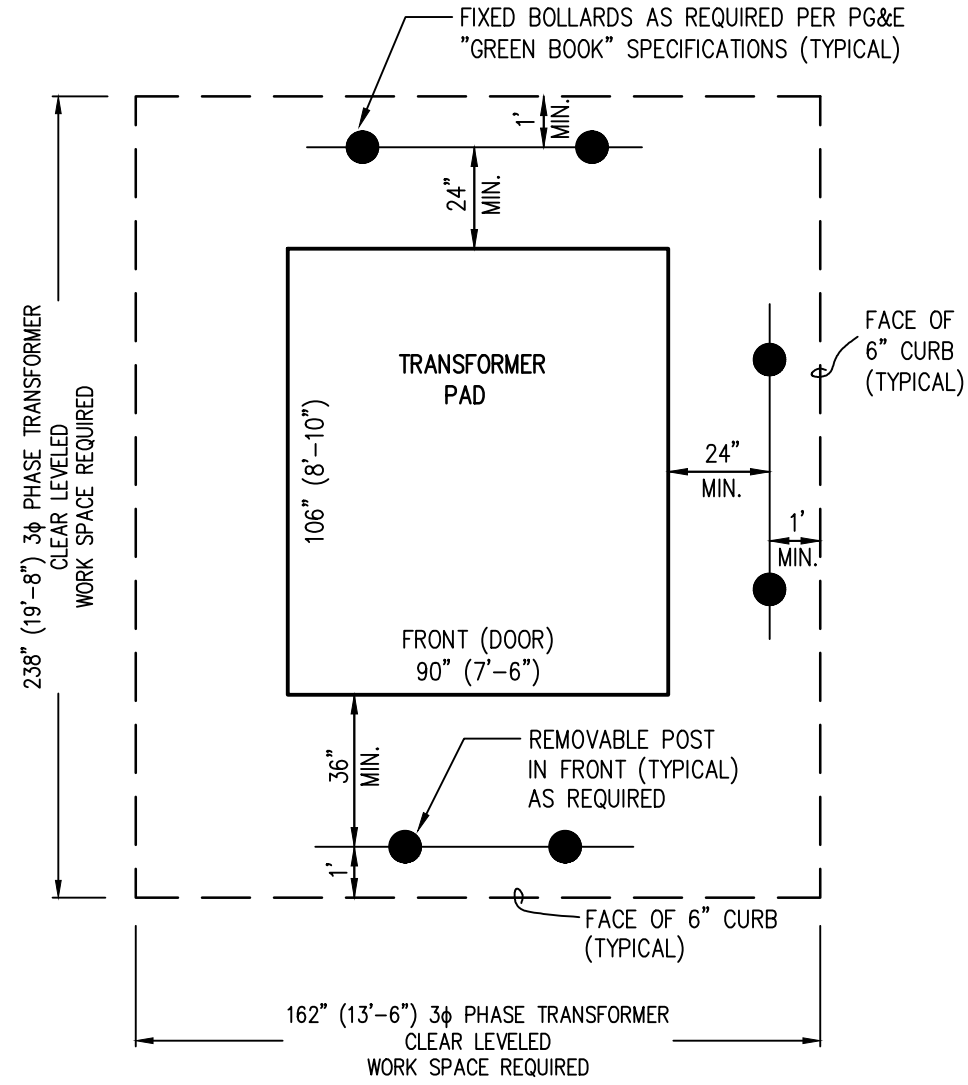
DETAIL 3 PG&E ENCLOSURE CLEARANCES
N.T.S. JT3



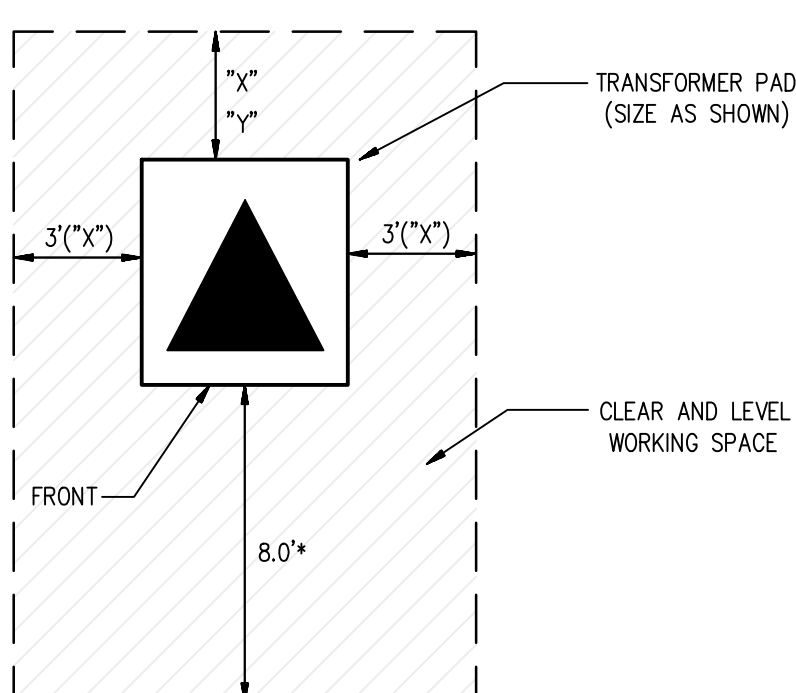
**PG&E 30
CLEAR AND LEVEL WORK
SPACE CLEARANCES**

DETAIL 4 PG&E PAD MOUNTED TRANSFORMER
N.T.S. JT3 CLEARANCE & PROTECTION DETAIL

NOT TO SCALE



**PG&E 30 PHYSICAL PROTECTION
REQUIREMENTS (PARKING LOT,
TRAVELED WAY, ETC. ...)**



"X"= 3' MIN. CLEARANCE FROM COMBUSTIBLE WALL
"Y"= 2' MIN. CLEARANCE FROM NON-COMBUSTIBLE WALL
* MINIMUM 9' (COMMERCIAL/HIGH DENSITY) FROM FACE OF CURB
* MINIMUM 3' (RESIDENTIAL/LOW DENSITY) FROM FACE OF CURB
** MINIMUM 4' FROM ANY DRIVEWAY

DETAIL 5 PG&E PAD MOUNT TRANSFORMER DETAIL
N.T.S. JT3

