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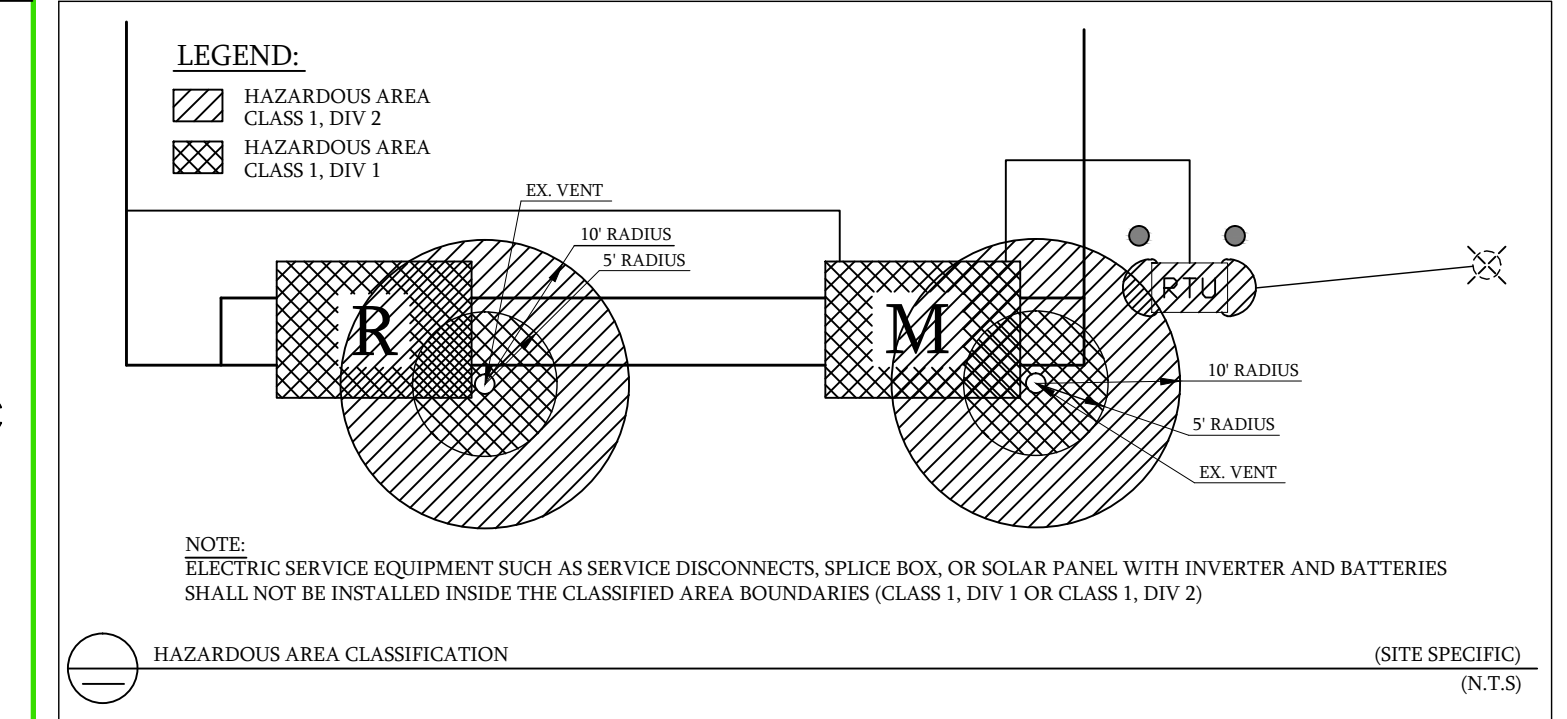
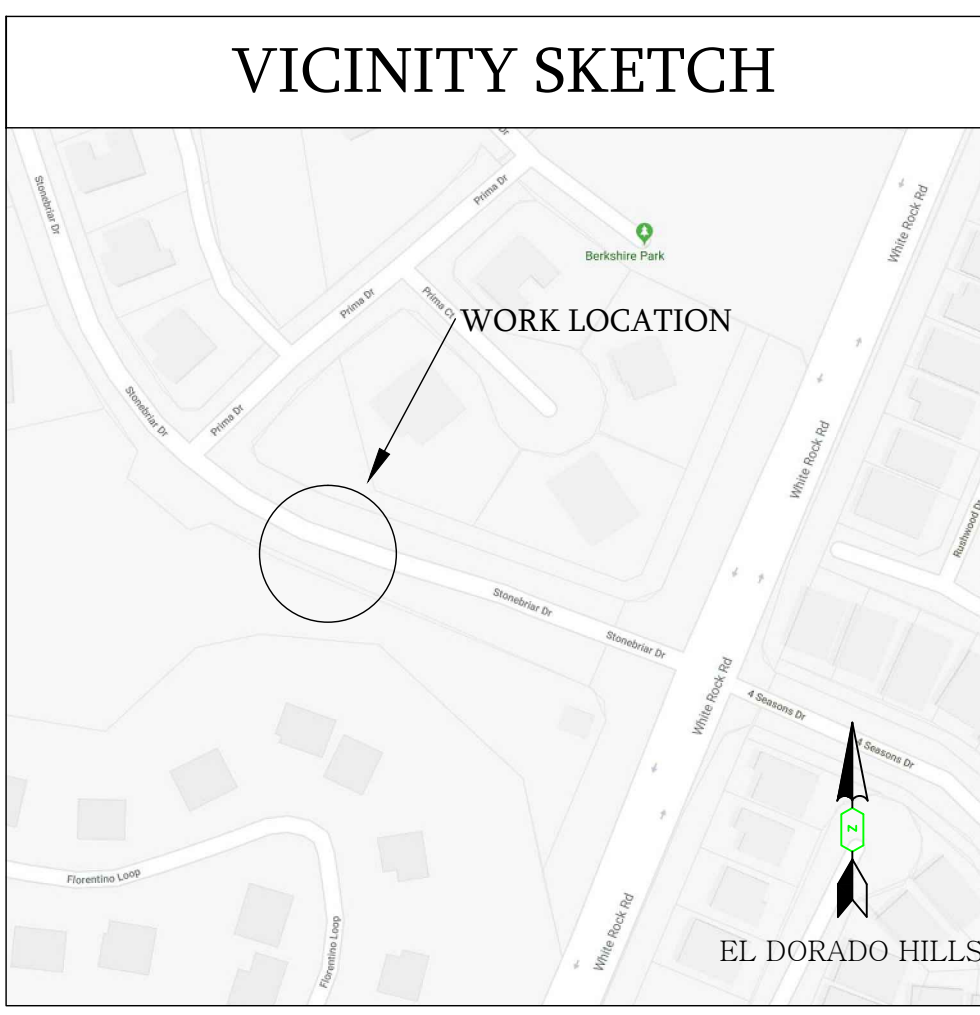
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CONTACT LIST

TITLE	NAME	PHONE
RESPONSIBLE ENGINEER	DANIEL GUILLEN	415-582-7030 - C
PROJECT MGR	JULIAN DIGILOV	925-244-3541 - O 415-916-9525 - C
GAS ESTIMATOR	NATHAN J. SNEDDON	925-328-6253 - O
GAS A.D.E.	VINCE PETRILLI MOLLY BURTON	925-244-3068 - O 925-328-5967 - O
ESTIMATING SUPERVISOR	WILLIAM LAM	925-328-6141 - O 510-385-6570 - C
STATION DIST. ENGINEER	DANIEL GUILLEN	415-582-7030 - C
STATION DIST. SR. ENGINEER	JAMES FLORANCE	925-328-6226 - O 925-407-6336 - C
GC FIELD ENGINEER	DANIEL AKERS QUENTIN HAM	925-667-5460 - C 925-698-1481 - C
GC M&C SUPERVISOR	JOSE ARVIZU	209-401-4073 - C
GC DIST SUPERVISOR	DONALD FRISBIE	530-228-8121 - C
GPOM SUPERVISOR	RON HICKS	530-634-6482 - O 916-396-9038 - C
GSP PLANNING ENGINEER	CARY TRIPLET	530-889-3355 - O 530-320-5511 - C
CORROSION SUPERVISOR	JEFF BEAMS	408-598-6765 - C
ELEC. CONNECT COORDINATOR	KELLY LYNCH	559-250-5059 - C

LEGEND

	GAS MAIN (SIZE AS NOTED) (EXISTING)
	PROPERTY LINE
	FACE OF CURB
	BACK OF WALK
	WATER (EXISTING)
	SEWER (EXISTING)
	STORM DRAIN (EXISTING)
	PG&E ELECTRIC (SCADA) (INSTALL)
	SCADA SENSE LINE (INSTALL)
	LIP OF GUTTER
	REGULATOR VAULT (EXISTING)
	MONITOR VAULT (EXISTING)
	VENT STACK (EXISTING)
	SCADA RTU CABINET (PAD) (INSTALL)
	SOLAR POLE (INSTALL)
	VALVE TEE (INSTALL)
	TREE (EXISTING)
	PROTECTION POST (INSTALL)
	3/4" STL SENSE LINE (EXISTING)
	ETS (INSTALL)
	TRANSITION FITTING (INSTALL)



CRITICAL NOTES

- CONTACT RESPONSIBLE ENGINEER FOR ANY DESIGN CHANGES. FOLLOW TD-4014P-01 FOR FIELD DESIGN CHANGE REQUESTS.
- CONTACT GAS PLANNING PRIOR TO STARTING WORK.
- CONTACT CORROSION SUPVR. PRIOR TO STARTING WORK
- STANDBY REQUIRED DURING TRANSMISSION PIPELINE WORK

NOTE TO CONSTRUCTION

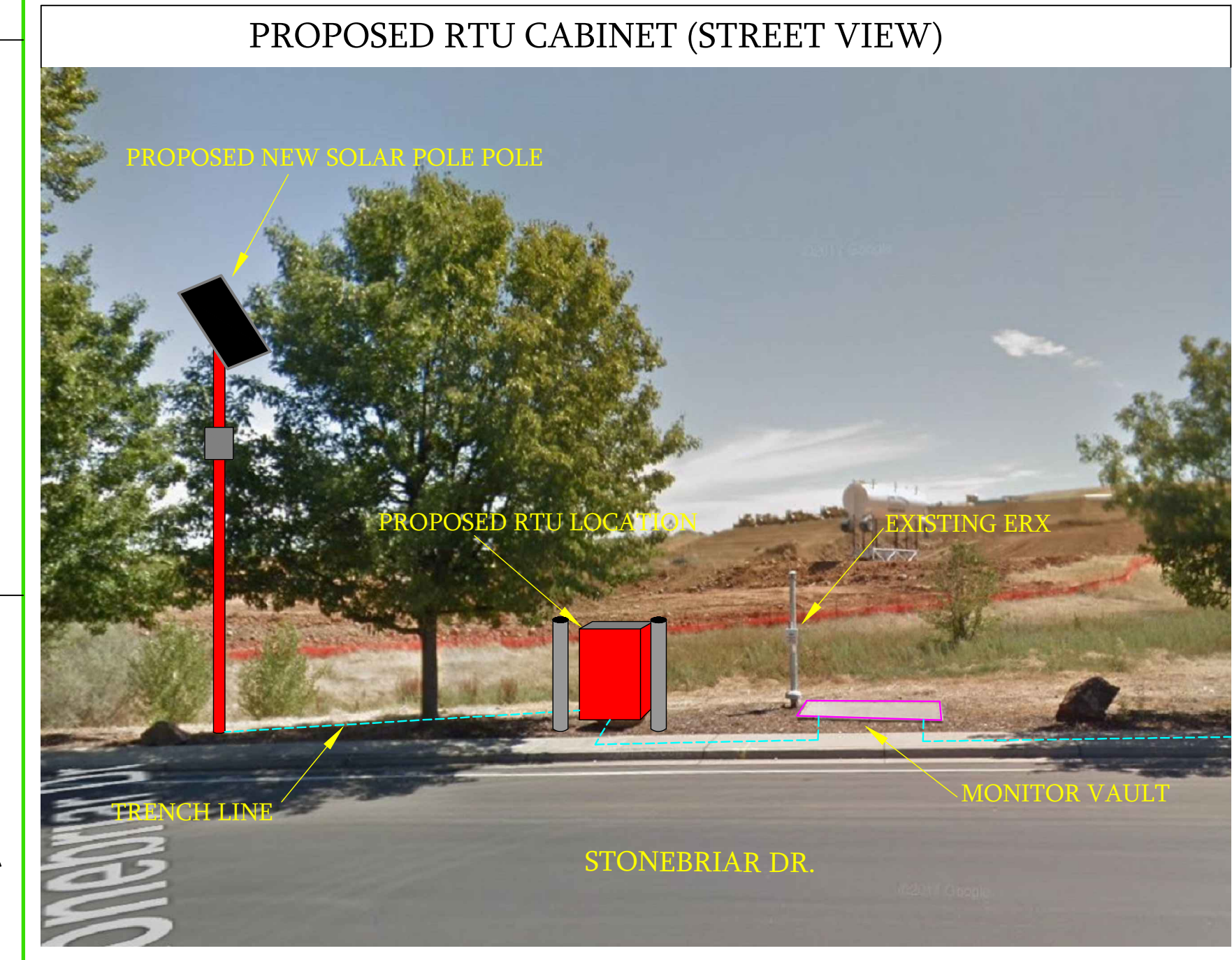
DO NOT REMOVE EX. REGULATION LINES WHEN DEACTIVATING EX. PRESSURE MONITORING EQUIPMENT.

GAS NOTES

- PG&E WILL TRENCH AND BACKFILL.
- PG&E WILL INSTALL ALL FACILITIES.
- GC GAS TO COORDINATE WORK WITH DIVISION GPOM DEPT. CONTACT RON HICKS @ 916-396-9038
- GC GAS TO OBTAIN AS-BUILT DRAWINGS OF REGULATOR STATION TO IDENTIFY LOCATION OF EXISTING CONTROL SENSE LINES. CONTACT LOCATE AND MARK PERSONNEL TO ASSIST.
- FOLLOW EXCAVATION REQUIREMENTS IN TD-4412P-05 WHEN WORKING NEAR TRANSMISSION AND FOREIGN FACILITIES.
- GC M&C TO NOTIFY CORROSION DEPT. 24 HOURS BEFORE INSTALLING TUBING AND INSULATING FITTINGS.
- INSTALL A 6" WIDE WARNING TAPE WITH THE WORDS "CAUTION: GAS LINE BURIED BELOW" (CODE 379947) IN ALL OPEN TRENCHES PER L-16. DO NOT INSTALL IN PG&E ELECTRIC-ONLY TRENCH.
- INSTALL A 3" WIDE MARKING TAPE WITH THE WORDS "GAS LINE IN CONDUIT" (CODE 373371) BY SPIRAL-WRAPPING AROUND EACH SCADA CONDUIT FOR ITS ENTIRE LENGTH WHERE HORIZONTAL DISTANCE BETWEEN SPIRALS DOES NOT EXCEED 36". DO NOT INSTALL AROUND PG&E ELECTRIC CONDUIT.
- INSTALL A CLOSED-LOOP OF LOCATING WIRE WITH ETS FOR ALL SCADA CONDUIT. SEE SHEET 3 FOR DETAIL.
- INSTALL RTU PAD AT 6" MAX ABOVE GRADE. SEE SHEET 3 FOR DETAIL.
- INSTALL SCADA CONDUIT STUB-UPS AT RTU PAD PER RECOMMENDED LAYOUT. SEE SHEET 3 FOR DETAIL.
- FOLLOW DOC 072248, FIGURE 8 & 9 (IN JOB PACKAGE) FOR INSTALLATION DETAILS OF CONNECTING ELECTRIC SOURCE TO SCADA.
- REFER TO HAZARDOUS AREA CLASSIFICATION DETAIL ON SHEET 1.
- ALL EXPOSED PIPE AND FITTINGS ARE TO BE PAINTED IN ACCORDANCE WITH GAS STANDARD E-30. ALL COATING ON BURIED STEEL PIPE AND FITTINGS ARE TO BE APPLIED IN ACCORDANCE WITH GAS STANDARD E-35.
- STRENGTH AND PRESSURE TESTING SHALL MEET PRESSURE AND DURATION REQUIREMENTS OF GAS STANDARD A-34 AND SHALL BE CONDUCTED IN ACCORDANCE WITH UTILITY PROCEDURE TD-4137S.
- CONTACT KELLY LYNCH @ (559) 250-5059 FOR ANY ELECTRIC CONNECTION OR RADIO QUESTIONS.
- OBTAIN APPROVED PLANNED WORK CLEARANCE BEFORE COMMISSIONING SCADA EQUIPMENT PER TD-4441P-01.
- OBTAIN APPROVED GAS CLEARANCE PRIOR TO SHUTTING IN STATION (IF NEEDED).
- OBTAIN APPROVED GAS CLEARANCE PRIOR TO REMOVING EXISTING SCADA EQUIPMENT PER TD-4441P-01.
- REMOVE EXISTING PRESSURE MONITORING EQUIPMENT AFTER COMMISSIONING NEW SCADA EQUIPMENT.
- INSTALL SLAM SHUT ON EXISTING STATION PER STANDARD H-14. (LEFT & RIGHT RUN)

WORK RECAP

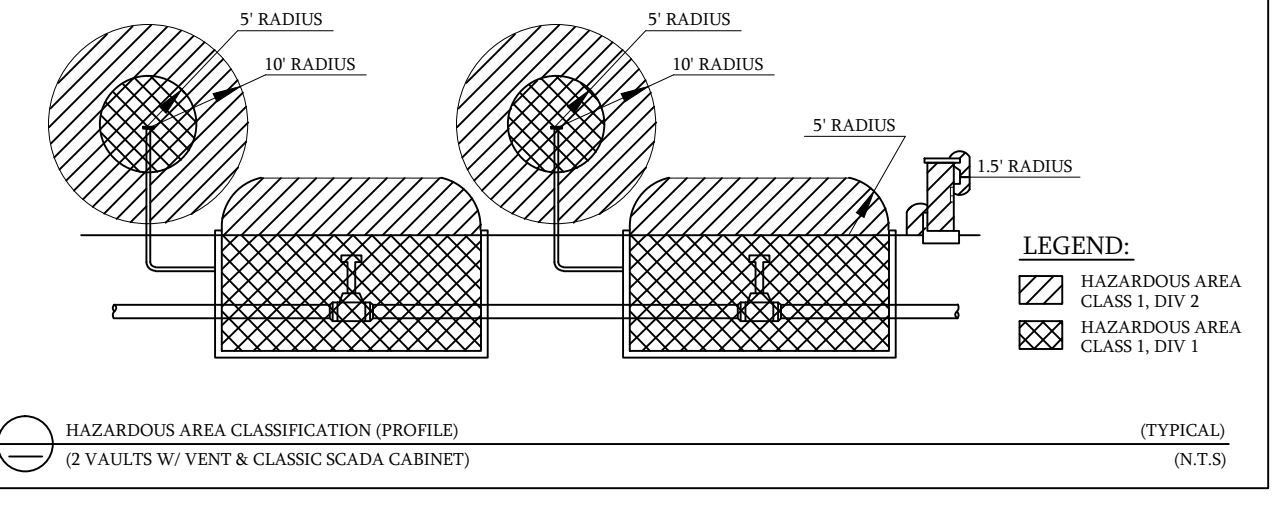
- PG&E TO INSTALL PROPOSED RTU CABINET, PAD, SOLAR POLE AND (2) PROTECTION POSTS
- PG&E TO INSTALL SCADA SENSE LINES, SCADA CONDUITS, AND PG&E ELECTRIC CONDUIT
- PG&E TO INSTALL 1" CONDUIT (VARIOUS MATERIAL), FOR SCADA POWER (C1) FROM SOLAR POLE TO RTU CABINET
- PG&E TO INSTALL 2" CONDUIT (VARIOUS MATERIAL), FOR SCADA COMM (C2) FROM SOLAR POLE TO RTU CABINET
- PG&E TO INSTALL (1) 1" RIGID STEEL CONDUIT, PVC-COATED, FOR SCADA SIGNAL (C4) FROM MONITOR VAULT TO RTU CABINET
- PG&E TO INSTALL 3" GREY PVC CONDUIT, SCHED 40, FOR SCADA SENSE LINES (S1,S2,S13,S14) FROM MONITOR VAULT TO RTU CABINET
- PG&E TO INSTALL 3" GREY PVC CONDUIT, SCHED 40, FOR SCADA SENSE LINES (S3,S4,S11,S12) FROM MONITOR VAULT TO RTU CABINET
- PG&E TO INSTALL (1) 3/4" SCH 80 WRAPPED STL PIPE, WELDED, FOR SCADA SENSE LINES (S3) FROM TRANSITION FITTING TO MONITOR VAULT
- PG&E TO INSTALL (2) 3/4" SCH 80 WRAPPED STL PIPE, WELDED, FOR D/S SLAM SHUT SENSE LINES (SS1,SS2) FROM TRANSITION FITTING TO MONITOR VAULT
- PG&E TO INSTALL FILTER DIFFERENTIAL PRESSURE SENSING LINES (S11,S12,S13,S14) ON RUNS 1 & 2
- PG&E TO INSTALL (3) NEW PLASTIC TAPS FOR SENSING LINES (S3,SS1,SS2)
- PG&E TO UTILIZE (7) EXISTING STEEL TAPS FOR SENSING LINES (S1,S2,S4,S11,S12,S13,S14)
- PG&E TO INSTALL MONITOR SLAM SHUT ACTIVATION SIGNAL (SS1,SS2) WITHIN C4 CONDUIT FROM MONITOR VAULT TO RTU CABINET
- PG&E TO INSTALL (2) MONITOR SLAM SHUT RETROFIT KITS ON RUNS 1 & 2 IN MONITOR VAULT
- PG&E TO INSTALL SSD (SOLID STATE DECOUPLER) FOR CP IN RTU CABINET
- PG&E TO DEACTIVATE 4' OF 3/4" STL TRANSMISSION PRESSURE SENSE LINE
- PG&E TO DEACTIVATE 53' OF 3/4" STL DISTRIBUTION PRESSURE SENSE LINE



OPERATING DATA

WM: 2531-A7
 CPA: 15-E001/15-T001
 HIS: EL DORADO HILLS
 TBA: H04
 MAOP INLET: 500PSIG
 MAOP-S INLET: 500PSIG
 MAOP OUTLET: 60PSIG

DIRECT BURIAL COATING SELECTIONS	
MAIN LINE COATING	FBE (E-35.4)
MINOR REPAIRS	LIQUID EPOXY (E-35.3)
TIE-IN WELDS	LIQUID EPOXY (E-35.1)
GIRTH WELDS	LIQUID EPOXY (E-35.1)
BUTT WELDED FITTINGS	LIQUID EPOXY (E-35.1)
VALVE ASSEMBLIES	LIQUID EPOXY (E-35.7), WAX TAPE (E-35.7)
SHORT SEGMENTS OF PIPE	LIQUID EPOXY (E-35.1)
AIR-TO-SOIL TRANSITIONS	LIQUID EPOXY/PSX 700 (E-35.8)
PRESSURE CONTROL FITTINGS	LIQUID EPOXY (E-35.7), WAX TAPE (E-35.7)
TIE-INS/COATING TRANSITIONS	LIQUID EPOXY (E-35.3)
BORED COATING SELECTIONS	
MAIN LINE COATING	ARO APPLIED OVER FBE (E-35.4)
MINOR REPAIRS	LIQUID EPOXIES (E-35.2)
TIE-IN WELDS	LIQUID EPOXIES (E-35.2)



CO:	NOTIF.:	114689186
SD:	Other:	
SHT:	1 of 9	SHEETS
PM:	31400596	REV.

ENGINEERING AND PLANNING DEPT.
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EST:	NATHAN J. SNEDDON
ADE:	VINCE PETRILLI/MOLLY BURTON
SUPV:	WILLIAM LAM
REP:	JULIAN DIGILOV
PLNR:	DANIEL GUILLEN
SCALE:	1"=10'
DATE:	7/25/2019

DESCRIPTION: CONSTRUCTION SKETCH
 SCADA TYPE 1A/3 INSTALLATION
 STONEBRIAR DR.
 EL DORADO HILLS, CA

NO. DATE

ORDER # DWN CHKD SUPV APVD BY

REVISIONS

