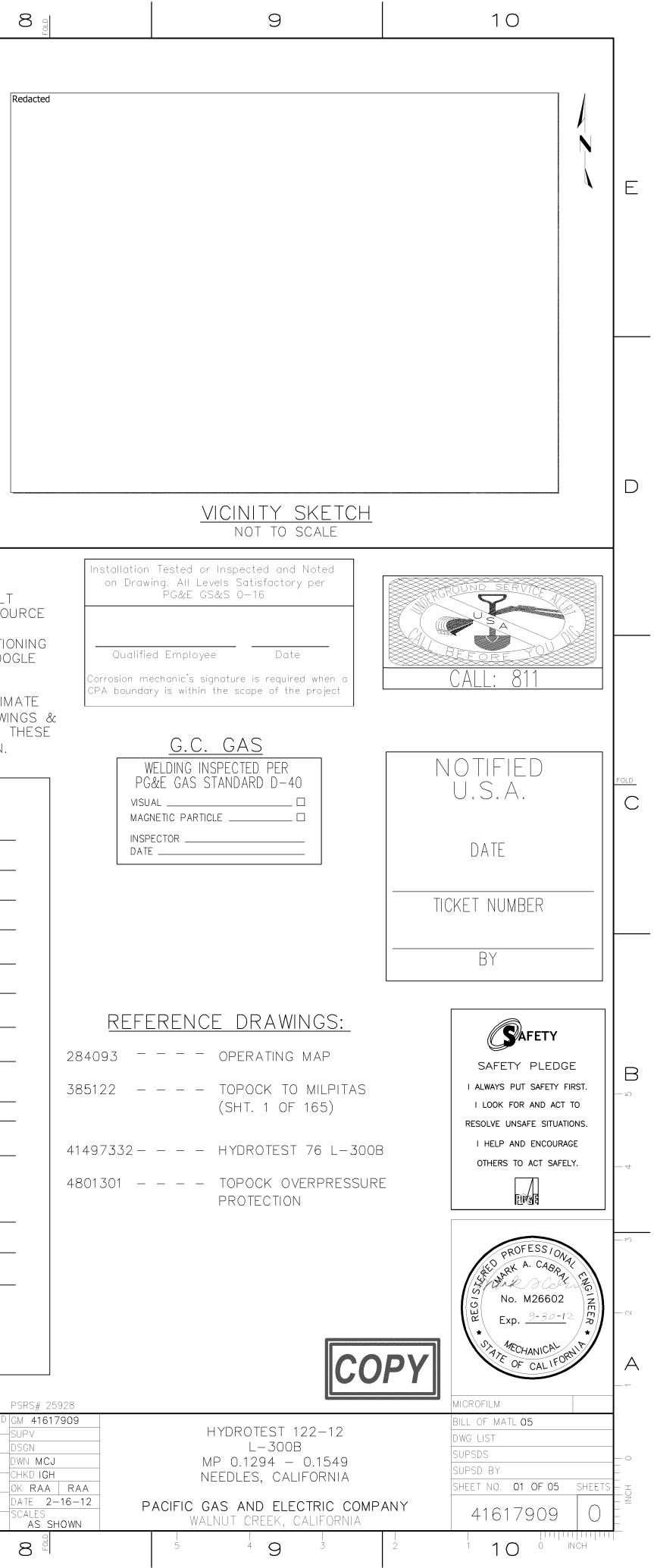
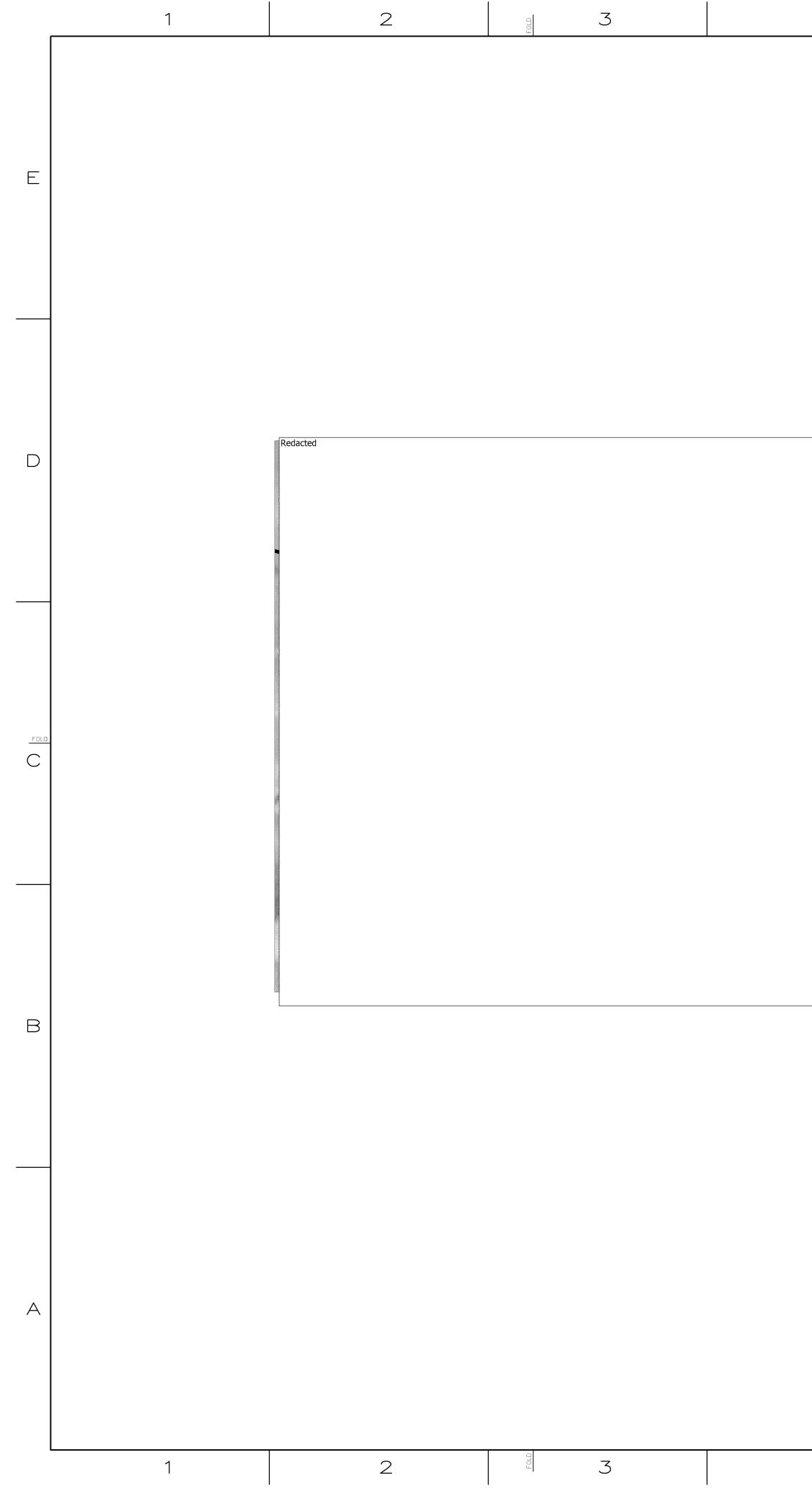
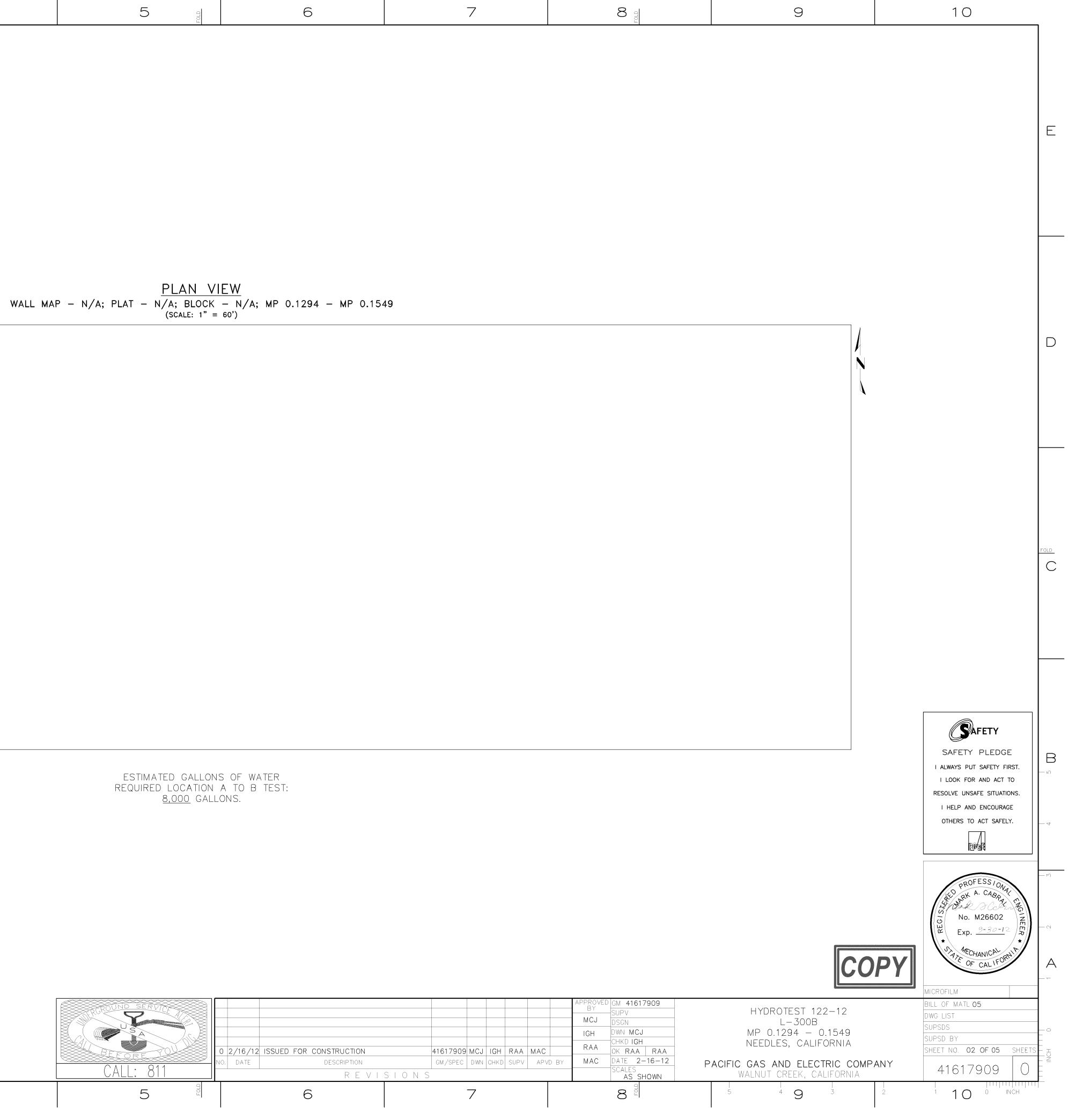
ſ	1	2	FOLD	3	4	5	6	7	
E	CP AREA # L-300B Wall MAP N/A Plat N/A San Bernardino county								
D	SHEET 1 – – GENERAL / SHEET 2 – – HYDROTEST SHEET 3 – – HYDROTEST SHEET 4 – – CONSTRUCTI	PLAN VIEW PROFILE VIEW / PIPELINE FEAT				NOTEST 1 MP 0.129 ORDER # 41617	4 - 0.1549		
	 MP 0.1549 PER DRAWINGS (#41617909) AND MATERIA OF 5. 2. INSTALL 13' OF 34.00"OD 	DPOSED WORK: 4" line 300b from mp 0.1294 and strength test pressur al of record drawing #41617 × 0.505"wt, x-60, dsaw, fbe < 0.500"wt, x-65, dsaw, pipe	E REPORTS 909 SHEET 5 COATED PIPE	1. WELDING F All ARC V D-22. 2. HYDROSTA HYDROSTA GAS STAN STANDARD	STRUCTION NOTES: Requirements: Welding is to be performed in Tic test requirements: Tic testing shall meet pressu DARD A-34 AND Shall be con A-37. See attached stpr an AND coating requirements:	IRE AND DURATION REQUIREMEN DUCTED IN ACCORDANCE WITH G	DARD DRAWINGS & RECO DOCUMENTS LISTED 2. "R" STATIONING OF AND IS A RESULT GAS EARTH IMAGERY A RE. DISTANCES. FIELD	DTES: S BEEN CREATED BY REVIEW OF DRDS. ACCURACY IS DEPENDENT U D ON THE REFERENCE DRAWINGS, N THIS DRAWING DENOTES "REFEF OF PG&E GIS SHAPEFILE OVERLA ND MIGHT NOT ACCURATELY DEPI VERIFY ALL DISTANCES. L UTILITIES SHOWN ON DRAWING A	UPON THE SO Rence" statio aid upon goo ict exact
Fold	PERFORMED: A. PG&E TOPOCK DISTRICT FOR PRESENCE OF PIPE B. COMPLETE A-FORMS ON AS-BUILT PACKAGE. IF	CLEARANCE THE FOLLOWING MU TO CHECK OFFSET DRIP IN SH ELINE LIQUIDS. N ALL EXPOSED PIPE AND INCLU UT W.T. MEASUREMENTS DO NO	UT-IN SEGME JDE IN DT MATCH	ALL EXPOS STANDARD APPLIED IN ON BURIED 4. CALL USA 4. CALL USA 4. CALL USA 1000 HEAVY EQ 0F SUBST NECESSAR -Y 6. ALL BENDS	SED PIPE AND FITTINGS ARE TO E-30. ALL COATING ON BURIED N ACCORDANCE WITH GAS STAND PIPE SEE DIRECT BURIAL SELEC AT LEAST TWO WORKING DAYS F OF EXISTING SUBSTRUCTURES AF UIPMENT IS USED FOR EXCAVATION RUCTURES SHALL FIRST BE DETE	PIPE AND FITTINGS ARE TO BE ARD E-35. FOR COATING SELEC TIONS TABLE. PRIOR TO EXCAVATION (811). E APPROXIMATE. BEFORE POWER ON, THE EXACT DEPTH AND LOC RMINED BY HAND EXCAVATION, I EPT WHERE ELBOWS ARE NOTED	TH GAS BASED UPON REVI AS-BUILTS. CONTE FACILITIES MARKED R OR ATION F MAIN LINE COATING	ew of pg&e & other utility/a ractor to call usa to have l d and pothole to expose/vering CT BURIAL COATING SELECTIONS sted in order of preference	AGENCY DRAW LOCATION OF IFY LOCATION.
	 C. G.C. GAS TO INSTALL S HOLES WHERE DESIGNAT FOREMAN TO CONFIRM L LOCATIONS AND ENSURE PROVIDED BY ENGINEERI PIPELINE. 2. AFTER LINE IS TURNED OVE REMOVE 31' OF EXISTING 34 INSULATING FLANGES PER C 	AVE-A-VALVES FOR OIL TESTIN TED IN THE TIE-IN PROCEDURE. LOCATION AND NUMBER OF SAN E WELD PRESSURE CALCULATION ING PRIOR TO WELDING SAVE-A ER TO G.C. GAS, G.C. GAS TO C 4.00"OD PIPE; INCLUDING EXIST ORDER # 30857344, DWG. 4801 34.00"OD INSULATING FLANGES	G.C. GAS /E-A-VALVE NS ARE A-VALVES ON CUT OUT AND NG 34.00" 301.	 ALL ANGLE CUT TO SI THIS PIPELI FROM ANY PIPELINE. COATING F BEFORE RI PLASTIC T SHALL BE D -FOR ALL 	ES SHOWN IN THE PLAN AND PRI JIT FIELD CONDITION. NE MUST BE INSTALLED WITH AT OTHER UNDERGROUND STRUCTU REMOVAL: EMOVING THE PIPE COATING ON F APE OR FUSION BONDED EPOXY TAKEN: NON-EMERGENCY WORK, PRE-1	DFILE ARE APPROXIMATE AND SE LEAST 12 INCHES OF CLEARAN RE NOT ASSOCIATED WITH THE PRE-1972 PIPE (DOES NOT INCL COATINGS) THE FOLLOWING STEF 972 PIPE WRAP MUST BE EVALU	HALL BE TIE-IN WELDS GIRTH WELDS UDE S VALVE ASSEMBLIES	PROTAL 7200, POWERCRETE J, E PROTAL 7200, POWERCRETE J, E PROTAL 7200, POWERCRETE J, E DEVGRIP 238 PROTAL 7200, POWERCRETE J, E	DEVGRIP 238 DEVGRIP 238 DEVGRIP 238
В		IC TEST PLAN FOR SEQUENCING	OF	-FOR EME ASBESTOS -OBTAIN S ACCORDAN -TEST RES -FOLLOW 10. BONDING (LOCATIONS REMOVAL.	MINE IF IT CONTAINS ASBESTOS F RGENCY WORK ON PRE-1972 PIF UNTIL THE WRAP CAN BE TESTE SAMPLES OF THE WRAP, AND HA ICE WITH RP 4711. SULTS ARE TO BE INCLUDED WITH PROCEDURE IN RP 4711 FOR REM CABLES TO BE INSTALLED ACROS THE PIPELINE IS SEVERED TO IN CHAIN CLAMPS, MAGNETIC CLAM ENT APPROVED CLAMPS AND #6	PE, ASSUME THE WRAP CONTAIN D. VE SAMPLES TESTED FOR ASBES 10VAL OF PIPE WRAP. S PIPELINE CUT-OUTS AT ALL NSTALL TEST HEADS PRIOR TO PS, OR OTHER CONSTRUCTION	S > 1% AIR-TO-SOIL TRANSITIONS PRESSURE CONTROL BODY FLAN TIE-INS/COATING TRANSITIONS	DEVGRIP 238, POWERCRETE J	
				50% FROM HYDROTES ARE TO B HYDROTES DRAWING. 12. ALL WELDI	D. VALVES USED FOR TAPS IN HYD FULL OPEN POSITION PRIOR TO T. ALL PLUG VALVES USED FOR E IN FULL OPEN POSITION PRIOR T UNLESS SPECIFICALLY CALLED NG ON THE L-300B EXPANSION EMPERATURE IS AS NEAR AS PR	FILL AND FOR DURATION OF TAPS/BLOWOFFS IN HYDROTEST TO FILL AND FOR DURATION OF OUT TO BE IN CLOSED POSITION LOOP TO BE PERFORMED WHEN	SECTION SECTION NON GIRTH WELDS 1) CONTACT THE RES	BORED COATING SELECTIONS sted in order of preference arc applied over fbe protal 7200, powercrete protal 7200, powercrete NOTES: sponsible pipeline engineer to r	J
А				CONSTRUC DISTRICT F CLEARANC PROJECT O LEAD ENG ENGINEER MATERIALS	TACT INFORMATION: TION MANAGER Redacted FOREMAN E SUPERVISOR COORDINATOR NEER G (PIPE) G (FITTINGS)		VARIANCE FROM THE 2) ALL COATINGS AR GS&S E-30 AND E-	ABOVE COATING SELECTIONS RE TO BE APPLIED IN ACCORDANCE 35	WITH APPROVED BY MCJ IGH
	1	2	FOLD		CHAIN OF CUSTODY	5	0 2/16/12 ISSUED FOR CONSTRUCTION NO. DATE DESCRIPTION R E V 6	41617909 MCJ IGH RAA MAC GM/SPEC DWN CHKD SUPV AP	



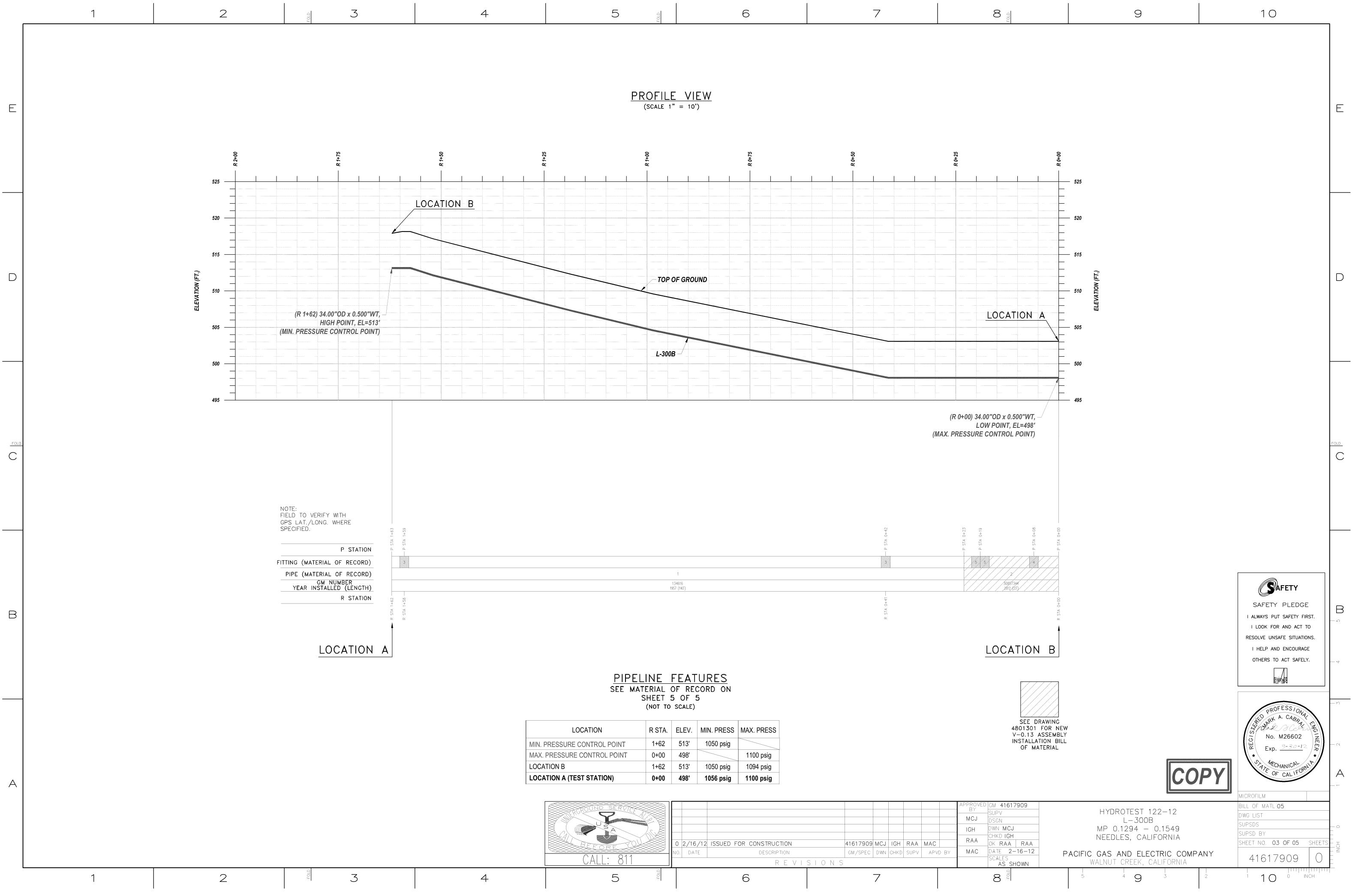






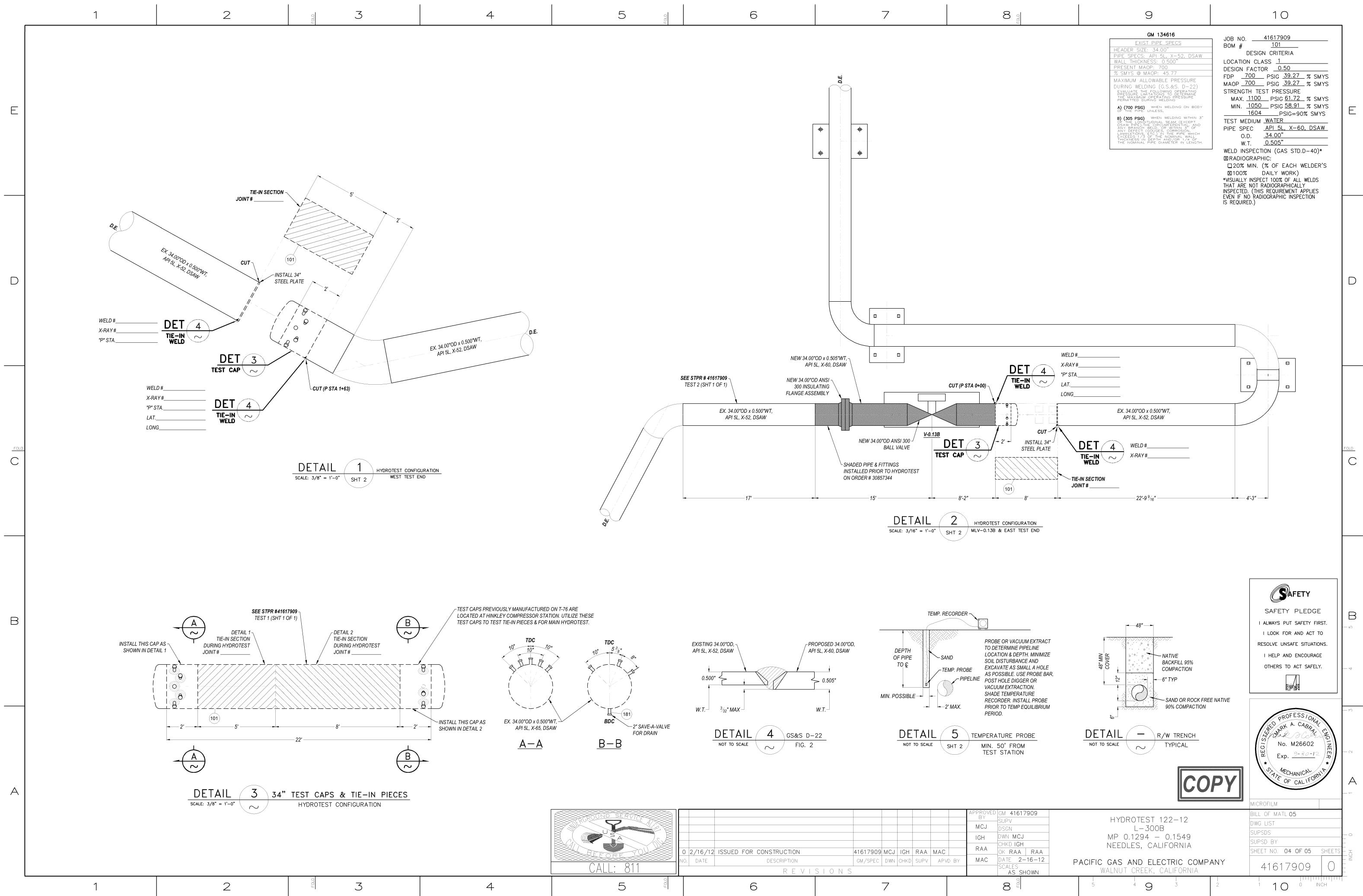
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LOCATION	R STA.	ELEV.	MIN. PRESS	MAX. PRESS
MIN. PRESSURE CONTROL POINT	1+62	513'	1050 psig	
MAX. PRESSURE CONTROL POINT	0+00	498'		1100 psig
LOCATION B	1+62	513'	1050 psig	1094 psig
LOCATION A (TEST STATION)	0+00	498'	1056 psig	1100 psig

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MATERIALS OF RECORD									
Item Description		Units	Quantity						
1	Pipe, 34.00" x 0.500" WT, API 5L, X-52, DSAW	Ft.	140						
2	Pipe, 34.00" x 0.505" WT, API 5L, X-60, DSAW	Ea.	23						
3	Elbow, 34.00" OD x 0.500" WT , Y-52	Ea.	2						
4	34" Valve, Ball, Full Port, Carbon Steel, ANSI 300, WE, Beveled to Match API 5L, 34.000" OD x 0.505"WT, X-60 Pipe, Above Ground Service	Ea.	1						
5	34.00" OD Insulating Flanges, Weldneck, 5.0" Raised Face, Carbon Steel, ANSI 300, Beveled to Match, API 5L, 34.000" OD x 0.505"WT, X-60 Pipe	Ea.	2						

2

	BILLS OF I	MATER	IALS							
ltem Number	Description		Units	Quantity	Heat Number (As-Built for pipe & HY fittings)	Serial Number (As-Built for pipe & HY fittings)				
EXPENSE ITEMS ORDER #41617909										
101	101 Pipe, 34.00" x 0.505" WT API 5L, X-60, DSAW, FBE Coated			13						
181	Save-A-Valve Nipple, 2"	02-2289	Ea.	1						
	CONTINGENCY ITE	MS ORD	ER #4161	7909						
101	Pipe, 34.000", 0.505" WT API 5L, X-60, DSAW, FBE Coated	01-0780	Ft.	40						

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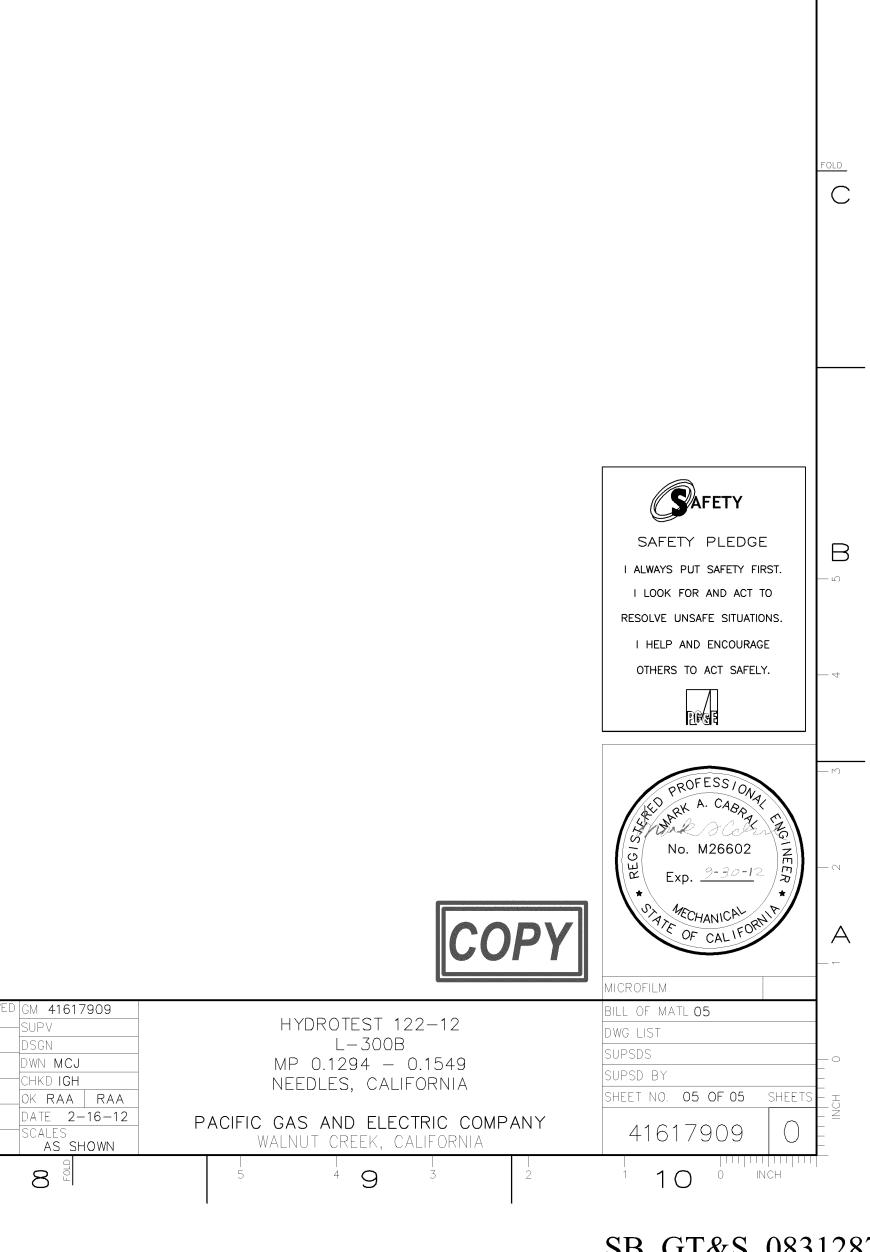
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μ

4	5	FOLD	6	7	

	RCROUND SERVIC			APPROVED BY MCJ IGH	GN SU DS DW
	CALL: 811	0 2/16/12 ISSUED FOR CONSTRUCTION NO. DATE DESCRIPTION R E V	41617909 MCJ IGH GM/SPEC DWN CHKD S	RAA MAC	CH OK DA ISC
4	5	6	7	-	ξ

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