

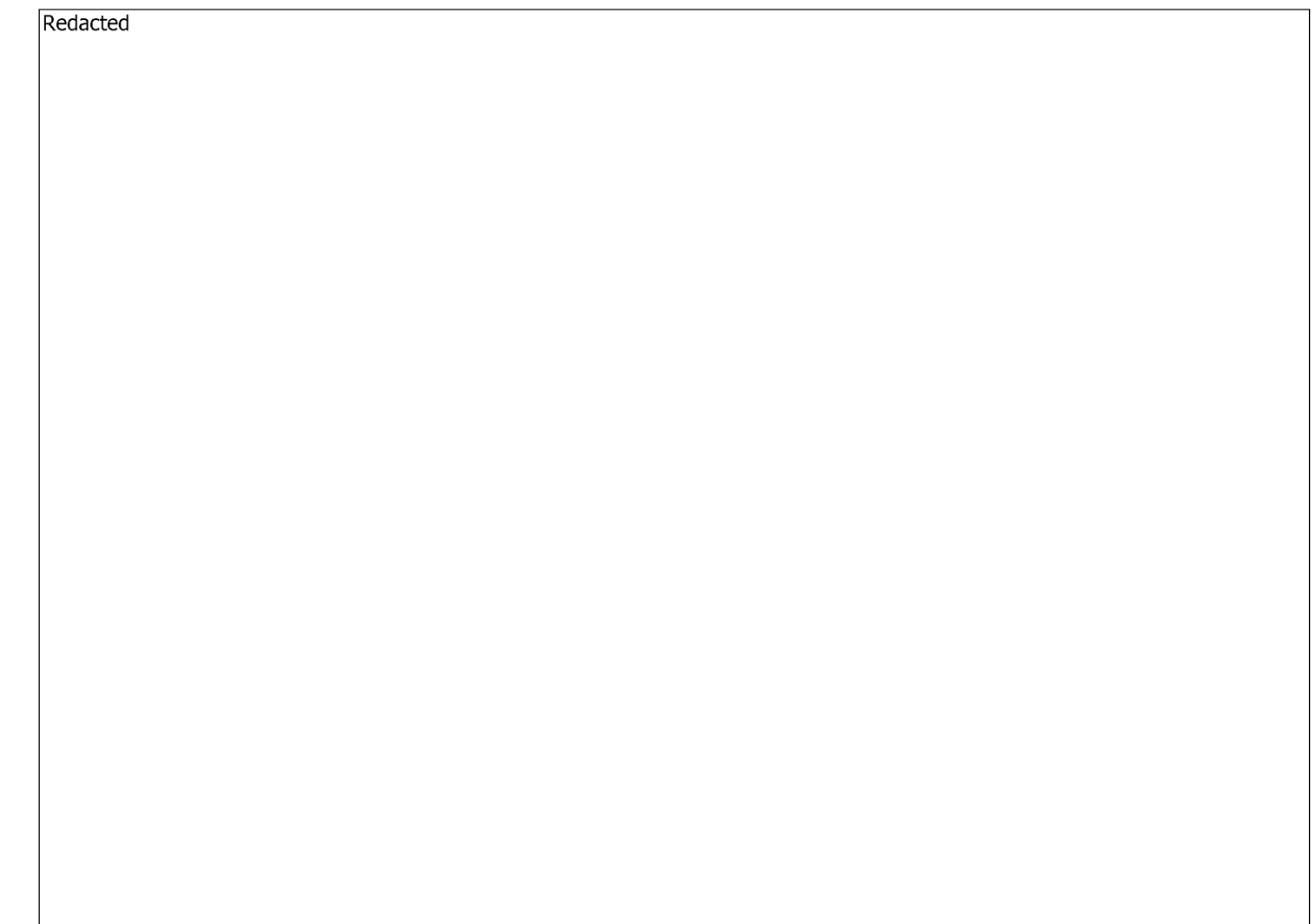
CP AREA # L-300A
WALL MAP N/A
PLAT N/A

Redacted

HYDROTEST 055-12 L-300A, MP 230.32 - 231.20 ORDER # 41617928

SCHEDULE OF SHEETS

- SHEET 1 -- GENERAL / CONSTRUCTION NOTES
- SHEET 2 -- HYDROTEST PLAN VIEW / TEST LOCATIONS
- SHEET 3 -- HYDROTEST PROFILE VIEW / PIPELINE FEATURES
- SHEET 4 -- CONSTRUCTION DETAILS
- SHEET 5 -- MATERIAL OF RECORD / BILL OF MATERIALS



VICINITY SKETCH
NOT TO SCALE

SUMMARY OF PROPOSED WORK:

- HYDROSTATICALLY TEST 34" LINE 300A FROM MP 230.32 TO MP 231.20 PER DRAWINGS AND STRENGTH TEST PRESSURE REPORTS (#41617928) AND MATERIAL OF RECORD DRAWING #41617928 SHEET 5 OF 5.
- INSTALL 50' OF 34.00"OD x 0.375"WT, API 5L, X-65, SAWL, FBE COATED PIPE.
- REMOVE 50' OF 34.00"OD x 0.375"WT, API 5L, X-52, DSAW PIPE INSTALLED ON GM 101688 (1950).

CONSTRUCTION NOTES:

- WELDING REQUIREMENTS:
ALL ARC WELDING IS TO BE PERFORMED IN ACCORDANCE WITH GAS STANDARD D-22.
- HYDROSTATIC TEST REQUIREMENTS:
HYDROSTATIC TESTING SHALL MEET PRESSURE AND DURATION REQUIREMENTS OF GAS STANDARD A-34 AND SHALL BE CONDUCTED IN ACCORDANCE WITH GAS STANDARD A-37. SEE ATTACHED STPR AND SITE SPECIFIC TEST PROCEDURE.
- PAINTING AND COATING REQUIREMENTS:
ALL EXPOSED PIPE AND FITTINGS ARE TO BE PAINTED IN ACCORDANCE WITH GAS STANDARD E-30. ALL COATING ON BURIED PIPE AND FITTINGS ARE TO BE APPLIED IN ACCORDANCE WITH GAS STANDARD E-35. FOR COATING SELECTIONS ON BURIED PIPE SEE DIRECT BURIAL SELECTIONS TABLE.
- CALL USA AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATION (811).
- LOCATION OF EXISTING SUBSTRUCTURES ARE APPROXIMATE. BEFORE POWER OR HEAVY EQUIPMENT IS USED FOR EXCAVATION, THE EXACT DEPTH AND LOCATION OF SUBSTRUCTURES SHALL FIRST BE DETERMINED BY HAND EXCAVATION, IF NECESSARY.
- ALL BENDS ARE SMOOTH FIELD BENDS EXCEPT WHERE ELBOWS ARE NOTED. FIELD BEND SHALL BE MADE IN ACCORDANCE WITH GAS STANDARD A-36 SECTION 4-D.
- ALL ANGLES SHOWN IN THE PLAN AND PROFILE ARE APPROXIMATE AND SHALL BE CUT TO SUIT FIELD CONDITION.
- THIS PIPELINE MUST BE INSTALLED WITH AT LEAST 12 INCHES OF CLEARANCE FROM ANY OTHER UNDERGROUND STRUCTURE NOT ASSOCIATED WITH THE PIPELINE.
- COATING REMOVAL:
BEFORE REMOVING THE PIPE COATING ON PRE-1972 PIPE (DOES NOT INCLUDE PLASTIC TAPE OR FUSION BONDED EPOXY COATINGS) THE FOLLOWING STEPS SHALL BE TAKEN:
-FOR ALL NON-EMERGENCY WORK, PRE-1972 PIPE WRAP MUST BE EVALUATED TO DETERMINE IF IT CONTAINS ASBESTOS PRIOR TO REMOVAL.
-FOR EMERGENCY WORK ON PRE-1972 PIPE, ASSUME THE WRAP CONTAINS > 1% ASBESTOS UNTIL THE WRAP CAN BE TESTED.
-OBTAIN SAMPLES OF THE WRAP, AND HAVE SAMPLES TESTED FOR ASBESTOS IN ACCORDANCE WITH RP 4711.
-TEST RESULTS ARE TO BE INCLUDED WITH AS-BUILTS.
-FOLLOW PROCEDURE IN RP 4711 FOR REMOVAL OF PIPE WRAP.
- BONDING CABLES TO BE INSTALLED ACROSS PIPELINE CUT-OUTS AT ALL LOCATIONS THE PIPELINE IS SEVERED TO INSTALL TEST HEADS PRIOR TO REMOVAL. CHAIN CLAMPS, MAGNETIC CLAMPS, OR OTHER CONSTRUCTION MANAGEMENT APPROVED CLAMPS AND #6 (MIN.) STRANDED COPPER CABLE SHALL BE UTILIZED.
- ALL BALL VALVES USED FOR TAPS IN HYDROTEST SECTION ARE TO BE CLOSED 50% FROM FULL OPEN POSITION PRIOR TO FILL AND FOR DURATION OF HYDROTEST. ALL PLUG VALVES USED FOR TAPS/BLOWOFFS IN HYDROTEST SECTION ARE TO BE IN FULL OPEN POSITION PRIOR TO FILL AND FOR DURATION OF HYDROTEST UNLESS SPECIFICALLY CALLED OUT TO BE IN CLOSED POSITION ON DRAWING.

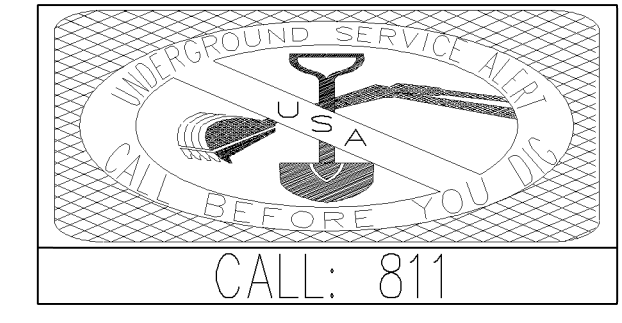
GENERAL NOTES:

- THIS DRAWING HAS BEEN CREATED BY REVIEW OF THE AS-BUILT DRAWINGS & RECORDS. ACCURACY IS DEPENDENT UPON THE SOURCE DOCUMENTS LISTED ON THE REFERENCE DRAWINGS.
- "R" STATIONING ON THIS DRAWING DENOTES "REFERENCE" STATIONING AND IS A RESULT OF PG&E GIS SHAPEFILE OVERLAID UPON GOOGLE EARTH IMAGERY AND MIGHT NOT ACCURATELY DEPICT EXACT DISTANCES. FIELD VERIFY ALL DISTANCES.
- DISTANCES TO ALL UTILITIES SHOWN ON DRAWING ARE APPROXIMATE BASED UPON REVIEW OF PG&E & OTHER UTILITY/AGENCY DRAWINGS & AS-BUILTS. CONTRACTOR TO CALL USA TO HAVE LOCATION OF THESE FACILITIES MARKED AND POTHOLE TO EXPOSE/VERIFY LOCATION.

Installation Tested or Inspected and Noted on Drawing. All Levels Satisfactory per PG&E GS&S 0-16

Qualified Employee _____ Date _____

Corrosion mechanic's signature is required when a CPA boundary is within the scope of the project



NOTIFIED U.S.A.

DATE _____

TICKET NUMBER _____

BY _____

SEQUENCE OF OPERATIONS:

- PRIOR TO TAKING PIPELINE CLEARANCE THE FOLLOWING MUST BE PERFORMED:
 - PG&E T&R TO CHECK ANY DRIPS IN SHUT-IN SEGMENT FOR PRESENCE OF PIPELINE LIQUIDS.
 - CONTRACTOR TO REMOVE 2' OF PIPE WRAP AT EACH END OF CUT OUT SECTIONS AND SANDBLAST TO NEAR WHITE WHERE DESIGNATED ON DRAWINGS FOR H-FORM INSPECTION.
 - H-FORM INSPECTION TO BE PERFORMED ON PIPELINE BY PG&E APPROVED VENDOR. PERFORM H-FORM INSPECTION PRIOR TO REMOVAL OF CUT-OUT SECTION.
 - PERFORM H-FORM INSPECTION AS DESIGNATED ON DRAWINGS. IF UT W.T. MEASUREMENTS IN SECTION 2.5 DO NOT MATCH EXISTING PIPE SPECIFICATIONS AS SHOWN ON DRAWINGS, IMMEDIATELY NOTIFY ENGINEER.
 - COMPLETE A-FORMS ON ALL EXPOSED PIPE AND INCLUDE IN AS-BUILT PACKAGE.
 - G.C. GAS TO INSTALL SAVE-A-VALVES FOR OIL TESTING AND SNIFF HOLES WHERE DESIGNATED IN THE TIE-IN PROCEDURE. G.C. GAS FOREMAN TO CONFIRM LOCATION AND NUMBER OF SAVE-A-VALVE LOCATIONS AND ENSURE WELD PRESSURE CALCULATIONS ARE PROVIDED BY ENGINEERING PRIOR TO WELDING SAVE-A-VALVES ON PIPELINE.
- AFTER CLEARANCE CONTRACTOR TO TRANSPORT H-FORM TESTED PIPE SEGMENTS TO 2000 CROWS LANDING RD., MODESTO. UTILIZE CHAIN OF CUSTODY PROCESS FOR ALL SHIPMENTS.
- UPON ARRIVAL AT MODESTO CUT OFF 2' OF PIPE AND TRANSPORT TO ATS FOR FURTHER ANALYSIS. UTILIZE CHAIN OF CUSTODY FOR ALL SHIPMENTS.
- SEE T-055-12 HYDROSTATIC TEST PLAN FOR SEQUENCING OF HYDROSTATIC TEST TASKS.

CONTACT INFORMATION:

CONSTRUCTION MANAGER --- Redacted

CLEARANCE SUPERVISOR --- Redacted

PROJECT COORDINATOR --- Redacted

LEAD ENGINEER --- Redacted

ENGINEER --- Redacted

H-FORM --- Redacted

MATERIALS (PIPE) --- Redacted

MATERIALS (FITTINGS) --- Redacted

MATERIALS CHAIN OF CUSTODY --- Redacted

DIRECT BURIAL COATING SELECTIONS

LISTED IN ORDER OF PREFERENCE

MAIN LINE COATING	FBE
MINOR REPAIRS	PROTAL 7200, POWERCRETE J, DEVGRIP 238
TIE-IN WELDS	PROTAL 7200, POWERCRETE J, DEVGRIP 238
GIRTH WELDS	PROTAL 7200, POWERCRETE J, DEVGRIP 238
BUTT WELDED FITTINGS	PROTAL 7200, POWERCRETE J, DEVGRIP 238
VALVE ASSEMBLIES	DEVGRIP 238
SHORT SEGMENTS OF PIPE	PROTAL 7200, POWERCRETE J, DEVGRIP 238
AIR-TO-SOIL TRANSITIONS	DEVGRIP 238, POWERCRETE J
PRESSURE CONTROL FITTINGS	PROTAL 7200
BODY	WAX TAPE
FLANGE	WAX TAPE
TIE-INS/COATING TRANSITIONS	PROTAL 7200, WAXTAPE, POLYKEN TAPE

BORED COATING SELECTIONS

LISTED IN ORDER OF PREFERENCE

MAIN LINE COATING	ARC APPLIED OVER FBE
MINOR REPAIRS	PROTAL 7200, POWERCRETE J
GIRTH WELDS	PROTAL 7200, POWERCRETE J

- NOTES:
- CONTACT THE RESPONSIBLE PIPELINE ENGINEER TO REQUEST A VARIANCE FROM THE ABOVE COATING SELECTIONS
 - ALL COATINGS ARE TO BE APPLIED IN ACCORDANCE WITH GS&S E-30 AND E-35

G.C. GAS

WELDING INSPECTED PER PG&E GAS STANDARD D-40

VISUAL _____

MAGNETIC PARTICLE _____

INSPECTOR _____

DATE _____

CONTRACTOR

WELDING INSPECTED PER PG&E GAS STANDARD D-40

VISUAL _____

MAGNETIC PARTICLE _____

INSPECTOR _____

DATE _____

REFERENCE DRAWINGS:

- 383055 --- OPERATING MAP
- 385122 --- Redacted (SHT 44 OF 165)
- 281654 --- 12" BLOW DOWN, TYPICAL

PSRS# 25826

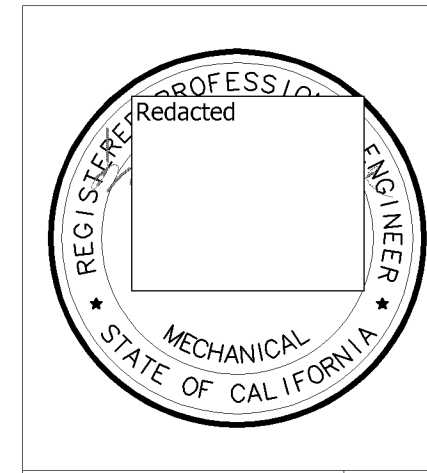
APPROVED BY	GM 41617928
DCB	DSCN
IGH	DWN DCB
RAA	CHKD IGH
MAC	OK RAA RAA
DATE	3-23-12
SCALE	AS SHOWN

NO.	DATE	ISSUED FOR CONSTRUCTION	GM/SPEC	DWN	CHKD	SUPV	APVD BY
0	3/23/12	ISSUED FOR CONSTRUCTION	41617928	DCB	IGH	RAA	MAC

HYDROTEST 055-12
L-300A
MP 230.32 - 231.20
TEHACHAPI, CALIFORNIA

PACIFIC GAS AND ELECTRIC COMPANY
WALNUT CREEK, CALIFORNIA

COPY



MICROFILM

BILL OF MATL SHEET 05

DWG LIST

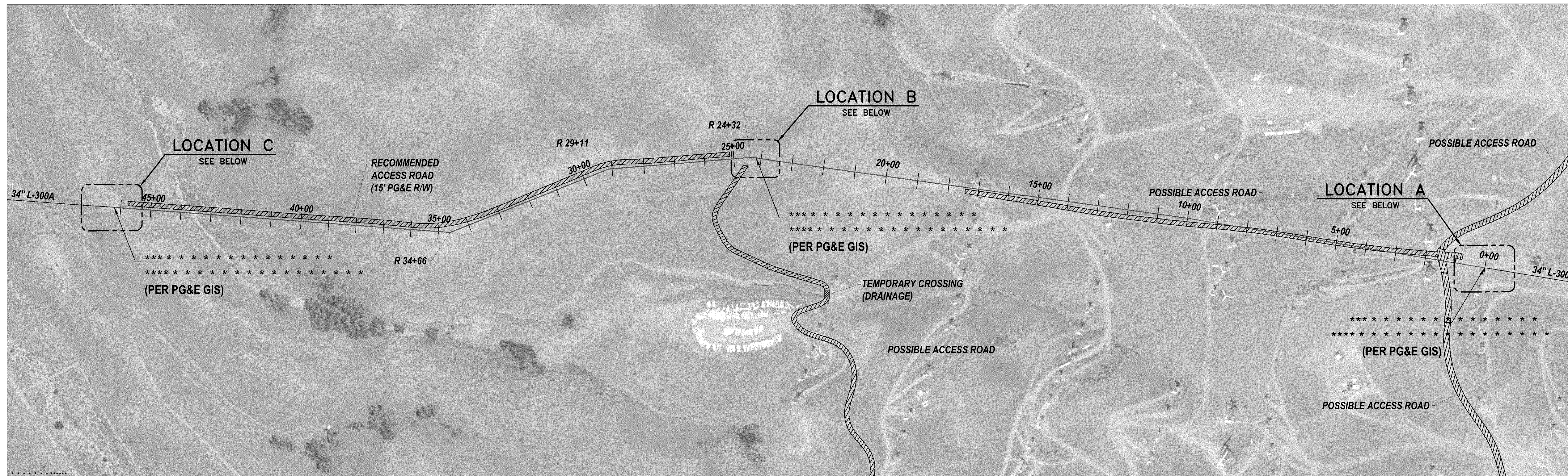
SUPSDS

SUPSD BY

SHEET NO. 01 OF 05 SHEETS

41617928

PLAN VIEW
(SCALE: 1" = 200')



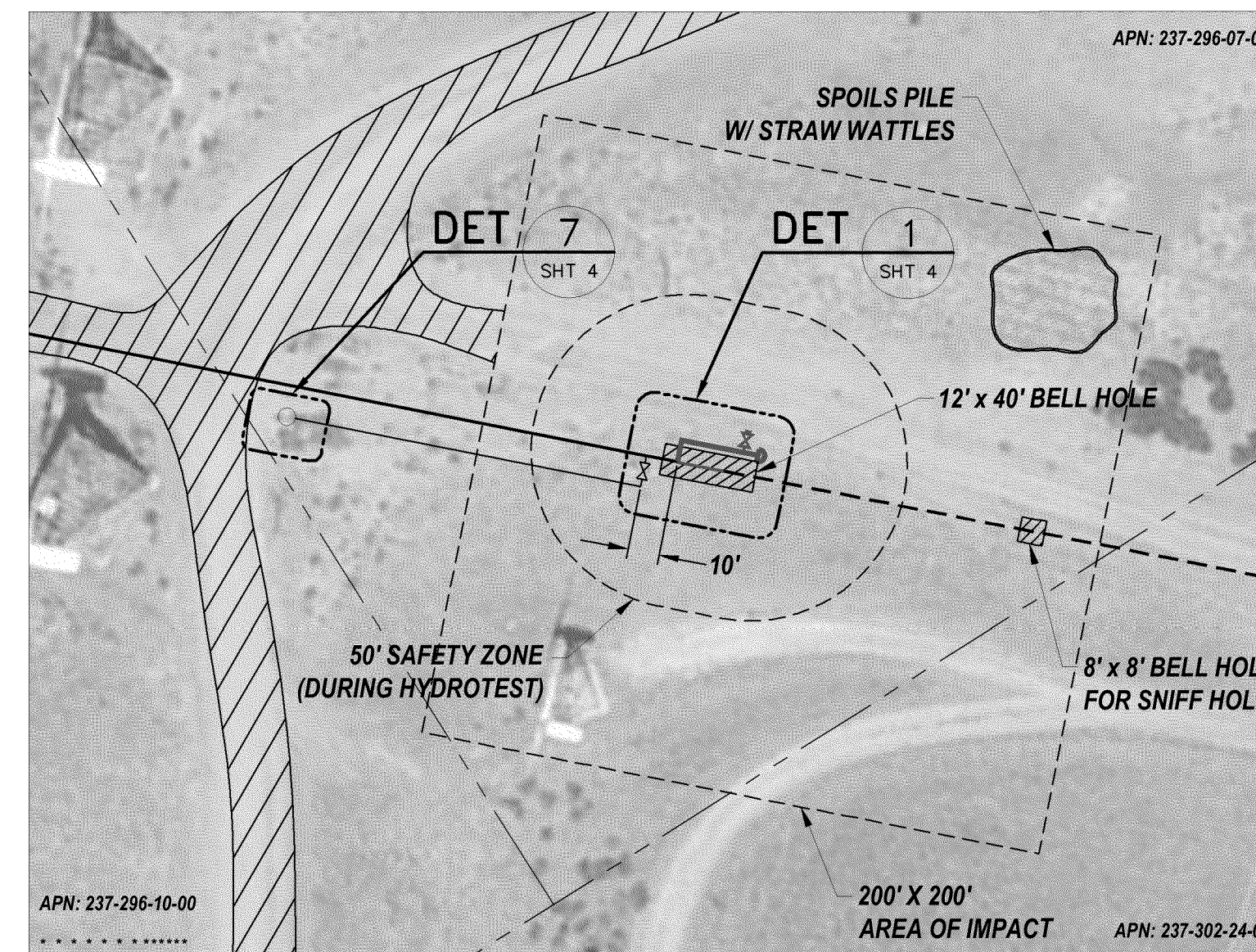
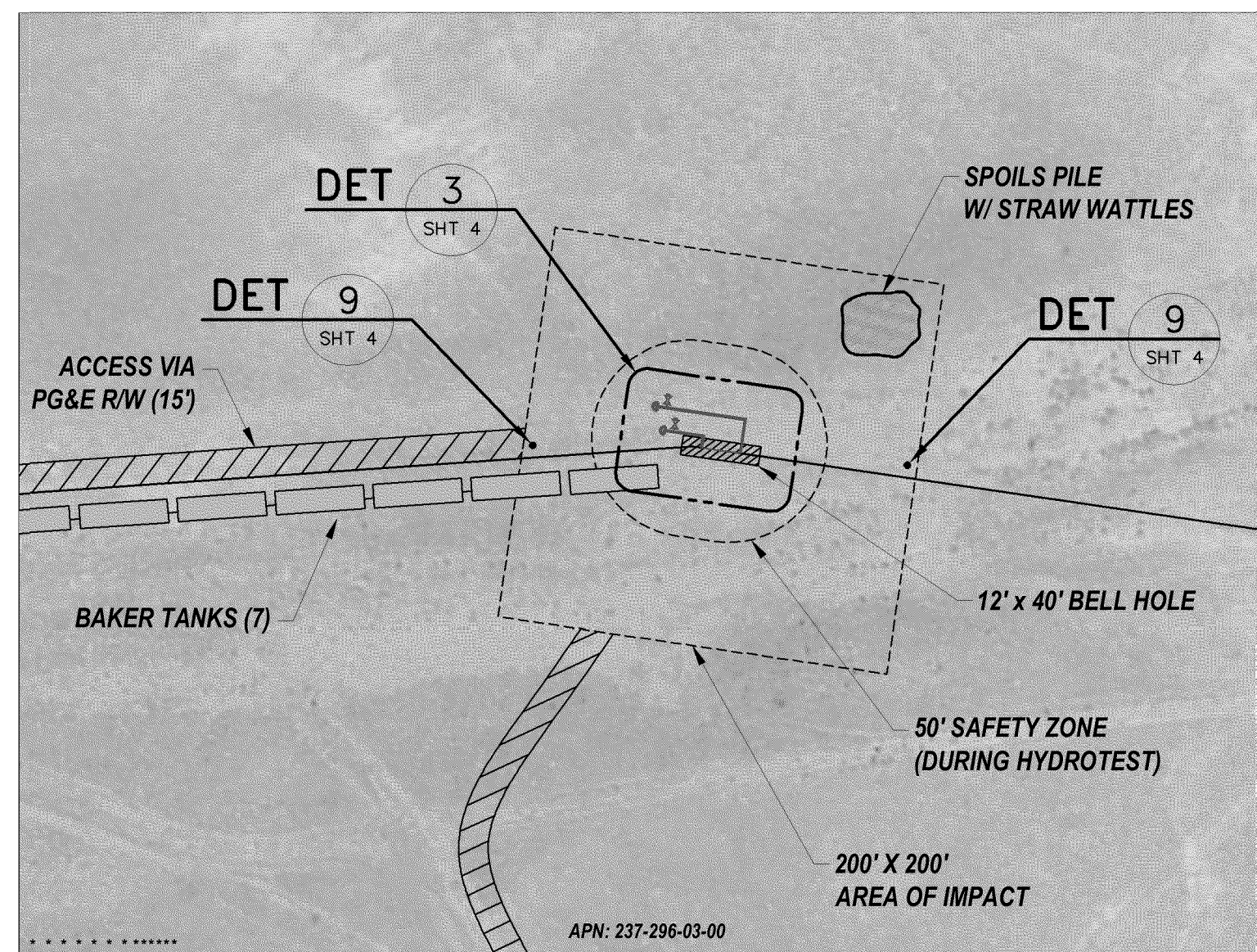
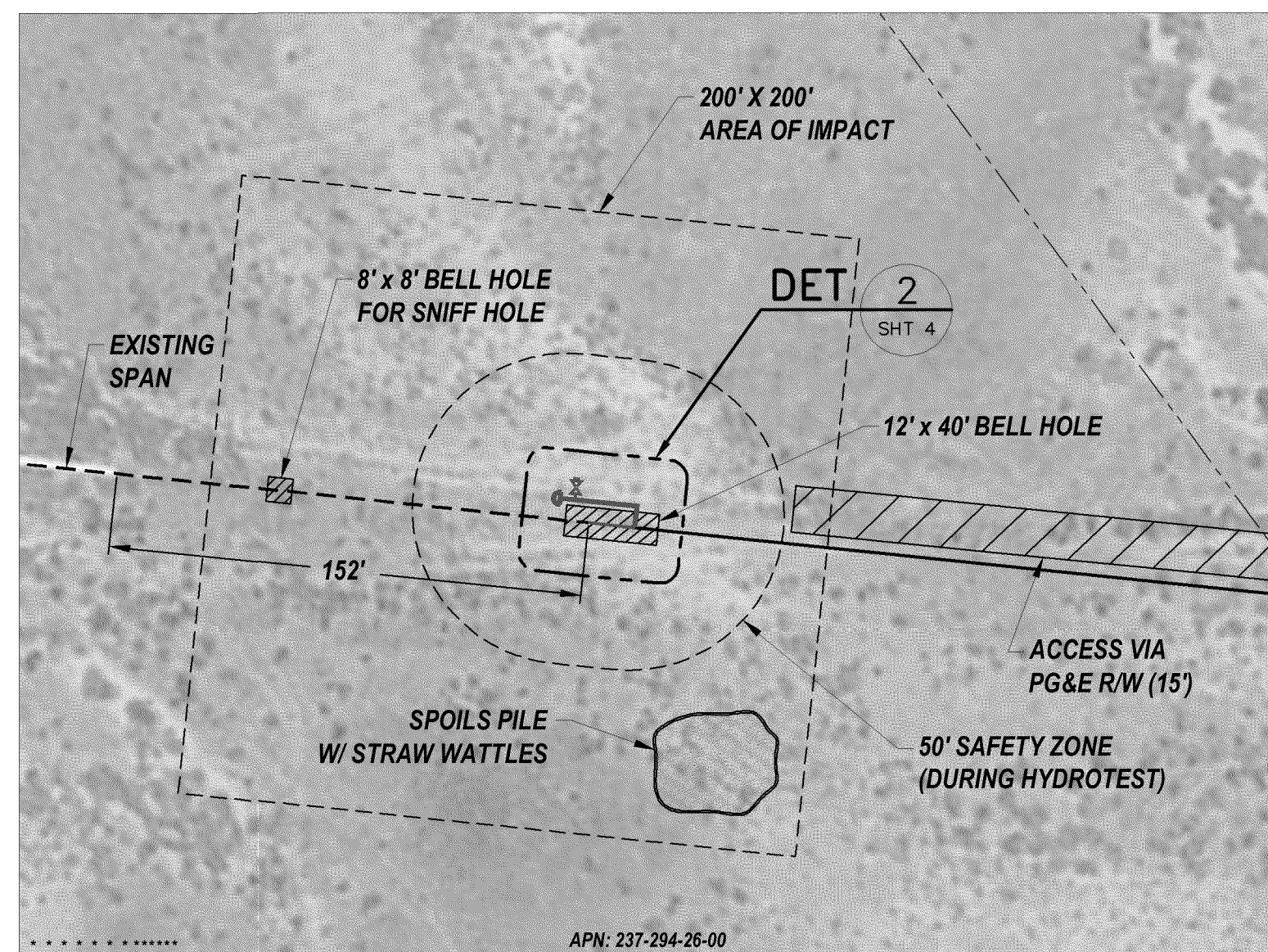
LOCATION C
MP 231.20
(SCALE: 1" = 50')
WALL MAP - N/A; PLAT - N/A

ESTIMATED GALLONS OF WATER
REQUIRED LOCATION B TO C TEST:
100,544 GALLONS.

LOCATION B
MP 230.76
(SCALE: 1" = 80')
WALL MAP - N/A; PLAT - N/A

ESTIMATED GALLONS OF WATER
REQUIRED LOCATION A TO B TEST:
110,963 GALLONS.

LOCATION A
MP 230.32
(SCALE: 1" = 50')
WALL MAP - N/A; PLAT - N/A



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



COPY



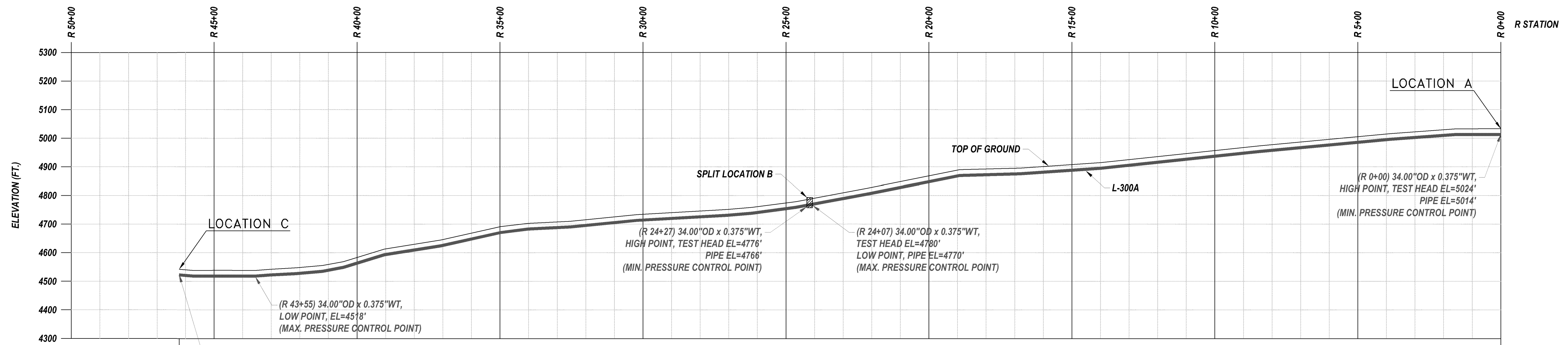
NO.	DATE	DESCRIPTION	CM/SPEC	DWN	CHKD	SUPV	APVD BY
0	3/23/12	ISSUED FOR CONSTRUCTION	41617928	DCB	IGH	RAA	MAC

APPROVED BY: CM 41617928
BY: SUPV
DCB DSGN
IGH DWN DCB
RAA CHKD IGH
MAC OK RAA RAA
DATE: 3-23-12
SCALE: AS SHOWN

HYDROTEST 055-12
L-300A
MP 230.32 - 231.20
TEHACHAPI, CALIFORNIA
PACIFIC GAS AND ELECTRIC COMPANY
WALNUT CREEK, CALIFORNIA

MICROFILM	
BILL OF MATL SHEET 05	
DWG LIST	
SUPSDS	
SUPSD BY	
SHEET NO. 02 OF 05	SHEETS
41617928	0

PROFILE VIEW
(1" = 200')



	P STATION
	FITTING (MATERIAL OF RECORD)
	PIPE (MATERIAL OF RECORD)
	GM NUMBER
	YEAR INSTALLED (LENGTH)
	R STATION

LOCATION C

LOCATION B

LOCATION A

TEST B - SEGMENT B TO C

LOCATION	R STA.	ELEV.	MIN. PRESS	MAX. PRESS
MIN. PRESSURE CONTROL POINT	24+27	4776'	1004 psig	
MAX. PRESSURE CONTROL POINT	43+55	4518'		1145 psig
LOCATION B (TEST LOCATION)	24+27	4776'	1004 psig	1034 psig
LOCATION C	46+22	4535'	1108 psig	1138 psig

NOTE: ELEVATIONS AT TEST LOCATIONS ASSUME TOP OF HYDROTEST PIPING IS 5' ABOVE GROUND ELEVATION

PIPELINE FEATURES
SEE MATERIAL OF RECORD ON SHEET 5 OF 5 (NOT TO SCALE)

TEST A - SEGMENT A TO B

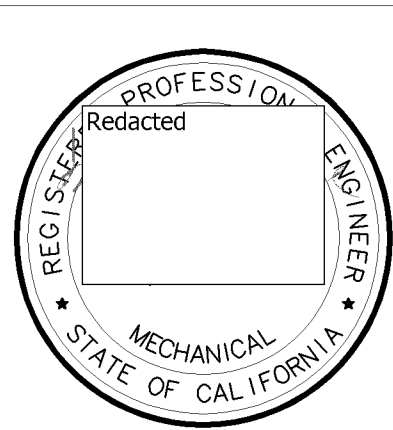
LOCATION	R STA.	ELEV.	MIN. PRESS	MAX. PRESS
MIN. PRESSURE CONTROL POINT	0+00	5024'	1004 psig	
MAX. PRESSURE CONTROL POINT	24+07	4770'		1144 psig
LOCATION A	0+00	5024'	1004 psig	1034 psig
LOCATION B (TEST LOCATION)	24+07	4780'	1110 psig	1140 psig

NOTE: ELEVATIONS AT TEST LOCATIONS ASSUME TOP OF HYDROTEST PIPING IS 5' ABOVE GROUND ELEVATION

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COPY



NO.	DATE	ISSUED FOR CONSTRUCTION	CM/SPEC	DWN	CHKD	SUPV	APVD BY
0	3/23/12	ISSUED FOR CONSTRUCTION	41617928	DCB	IGH	RAA	MAC

APPROVED BY	GM 41617928
BY	SUPV
DCB	DSCN
IGH	DWN DCB
RAA	CHKD IGH
MAC	OK RAA RAA
	DATE 3-23-12
	SCALE AS SHOWN

HYDROTEST 055-12
L-300A
MP 230.32 - 231.20
TEHACHAPI, CALIFORNIA

PACIFIC GAS AND ELECTRIC COMPANY
WALNUT CREEK, CALIFORNIA

MICROFILM	
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SUPSDS	
SUPSD BY	
SHEET NO. 03 OF 05 SHEETS	
41617928	0

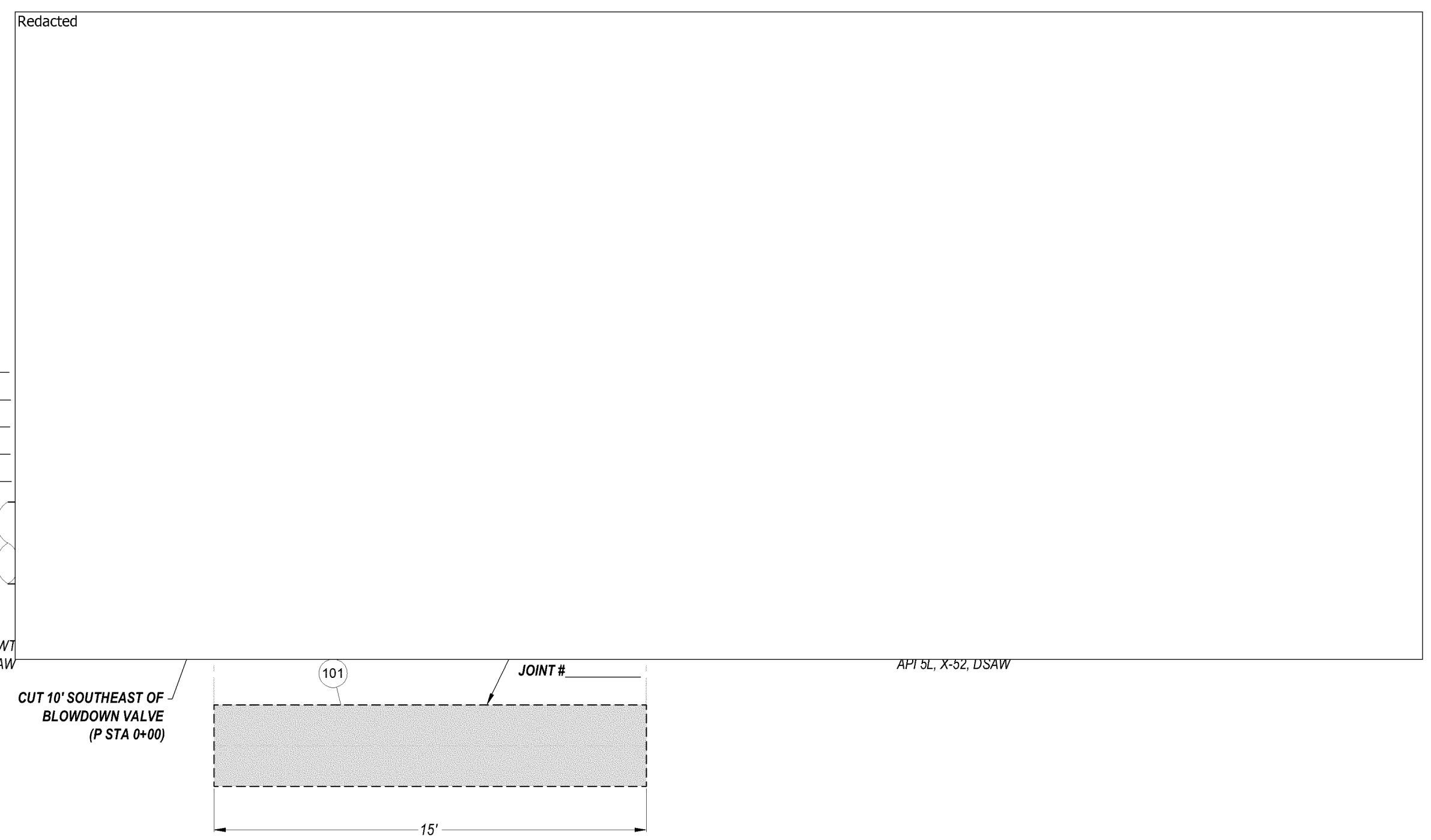
JOB NO. 41474039
 BOM # 101
 DESIGN CRITERIA
 LOCATION CLASS 2
 DESIGN FACTOR 0.6
 FDP 817 PSIG 56.98 % SMYS
 MAOP 803 PSIG 56.00 % SMYS
 STRENGTH TEST PRESSURE
 MAX. 1147 PSIG 80.00 % SMYS
 MIN. 1004 PSIG 70.02 % SMYS
 1291 PSIG=90% SMYS
 TEST MEDIUM WATER
 PIPE SPEC API 5L, X-65, SAWL
 O.D. 34.00"
 W.T. 0.375"
 WELD INSPECTION (GAS STD.D-40)*
 RADIOGRAPHIC:
 20% MIN. (% OF EACH WELDER'S
 100% DAILY WORK
 *VISUALLY INSPECT 100% OF ALL WELDS
 THAT ARE NOT RADIOGRAPHICALLY
 INSPECTED. (THIS REQUIREMENT APPLIES
 EVEN IF NO RADIOGRAPHIC INSPECTION
 IS REQUIRED.)

GM 101688 (1950)
 EXIST PIPE SPECS
 HEADER SIZE: 34.00"
 PIPE SPECS: API 5L, X-52, DSAW
 WALL THICKNESS: 0.375"
 PRESENT MAOP: 803 PSIG
 % SMYS @ MAOP: 70.01
 MAXIMUM ALLOWABLE PRESSURE
 DURING WELDING (G.S.&S. D-22)
 EVALUATE THE FOLLOWING OPERATING
 PRESSURE LIMITATIONS TO DETERMINE
 THE MAXIMUM OPERATING PRESSURE
 PERMITTED DURING WELDING:
 A) (573 PSIG) WHEN WELDING ON BODY
 OF THE PIPE UNLESS:
 B) (229 PSIG) WHEN WELDING WITHIN 3"
 OF THE LONGITUDINAL SEAM (EXCEPT
 DSAW PIPE), THE CIRCUMFERENTIAL AND
 ANY BRANCH WELD OR WITHIN 6"
 OF ANY DEFECT (CORROSION, CRACKING,
 EMBLEMATIONS, ETC.) IN THE PIPE WHICH
 EXCEEDS 1/8" IN DEPTH AND/OR 1/4" OF
 THE NOMINAL PIPE DIAMETER IN LENGTH.

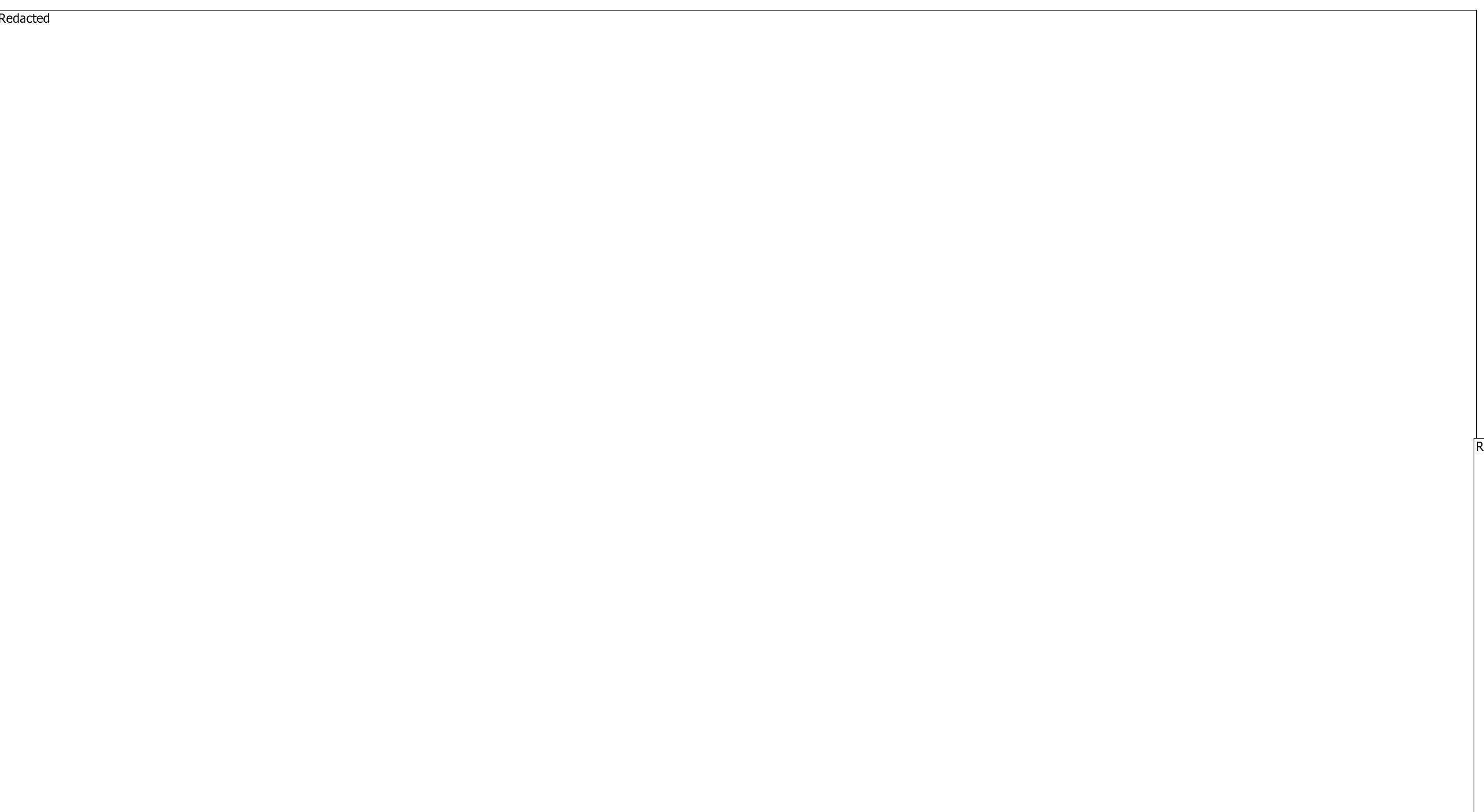
GM 101688 (1950)
 EXIST PIPE SPECS
 HEADER SIZE: 12.750"
 PIPE SPECS: API 5L, GR. B, SMLS
 WALL THICKNESS: 0.500"
 PRESENT MAOP: 803 PSIG
 % SMYS @ MAOP: 29.25
 MAXIMUM ALLOWABLE PRESSURE
 DURING WELDING (G.S.&S. D-22)
 EVALUATE THE FOLLOWING OPERATING
 PRESSURE LIMITATIONS TO DETERMINE
 THE MAXIMUM OPERATING PRESSURE
 PERMITTED DURING WELDING:
 A) (803 PSIG) WHEN WELDING ON BODY
 OF THE PIPE UNLESS:
 B) (549 PSIG) WHEN WELDING WITHIN 3"
 OF THE LONGITUDINAL SEAM (EXCEPT
 DSAW PIPE), THE CIRCUMFERENTIAL AND
 ANY BRANCH WELD OR WITHIN 6"
 OF ANY DEFECT (CORROSION, CRACKING,
 EMBLEMATIONS, ETC.) IN THE PIPE WHICH
 EXCEEDS 1/8" IN DEPTH AND/OR 1/4" OF
 THE NOMINAL PIPE DIAMETER IN LENGTH.



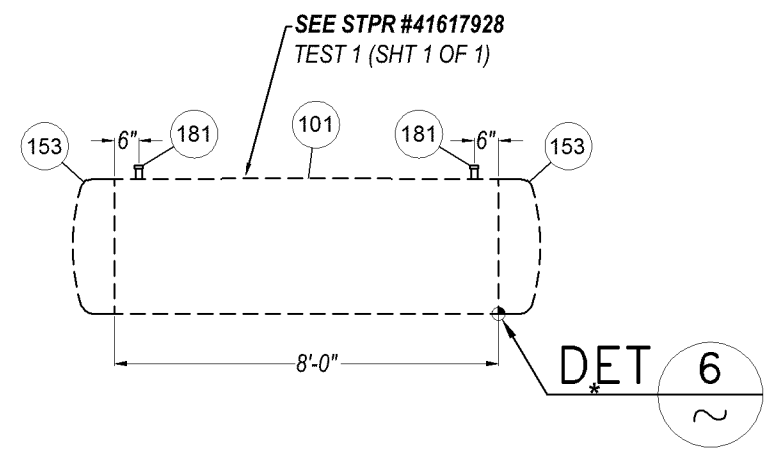
DETAIL 2 LOCATION C
 SCALE: 1/4" = 1' SHT 2 MP 231.20



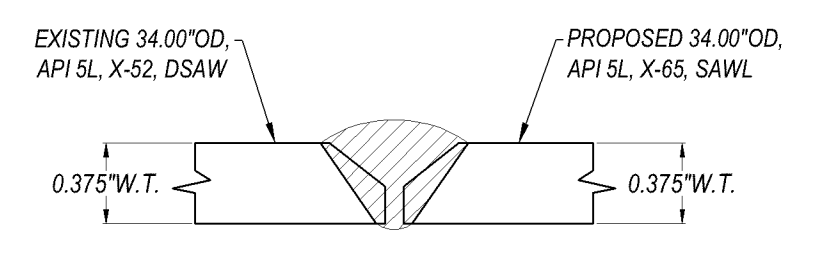
DETAIL 1 LOCATION A
 SCALE: 1/4" = 1' SHT 2 MP 230.32



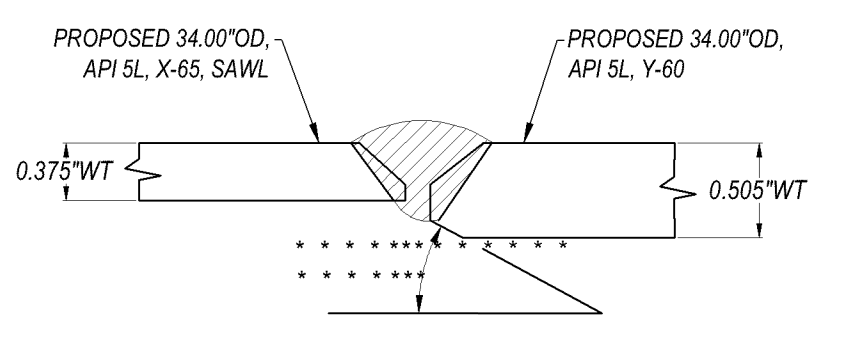
DETAIL 3 LOCATION B
 SCALE: 1/4" = 1' SHT 2 MP 230.76



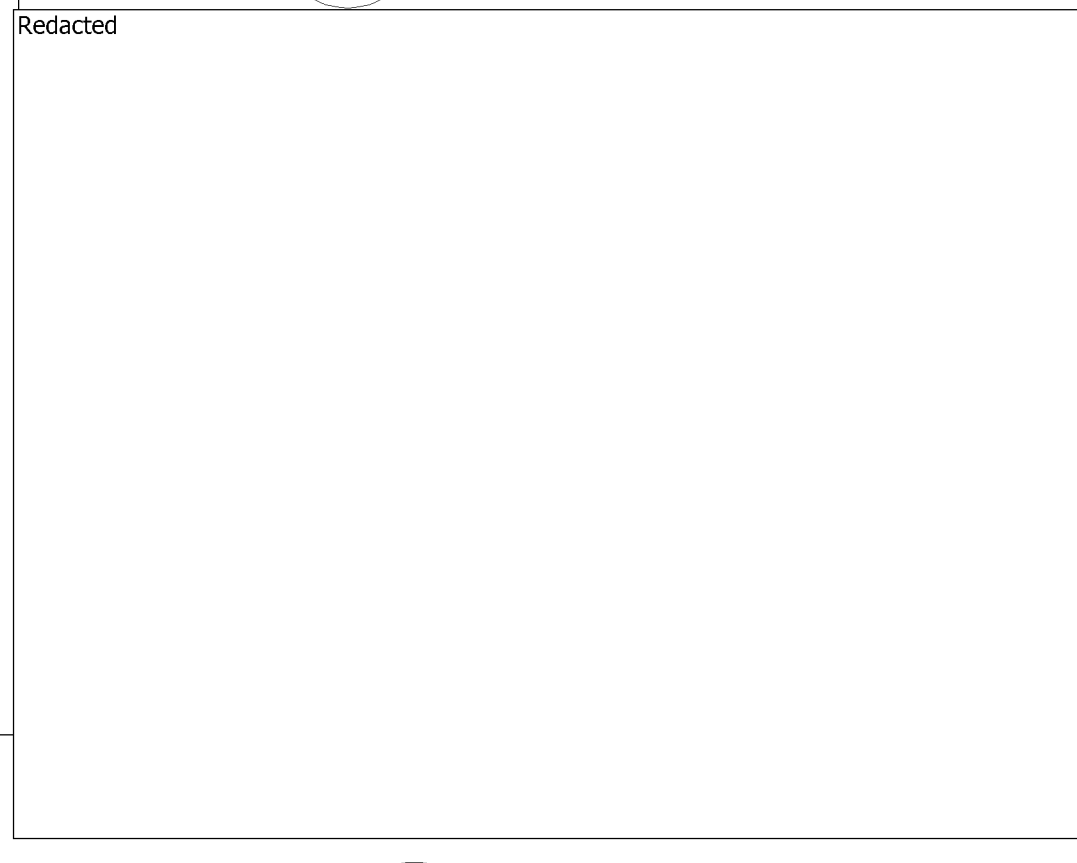
DETAIL 4 34" ISOLATION CAPS & PUPS
 SCALE 1/4" = 1' HYDROTEST CONFIGURATION



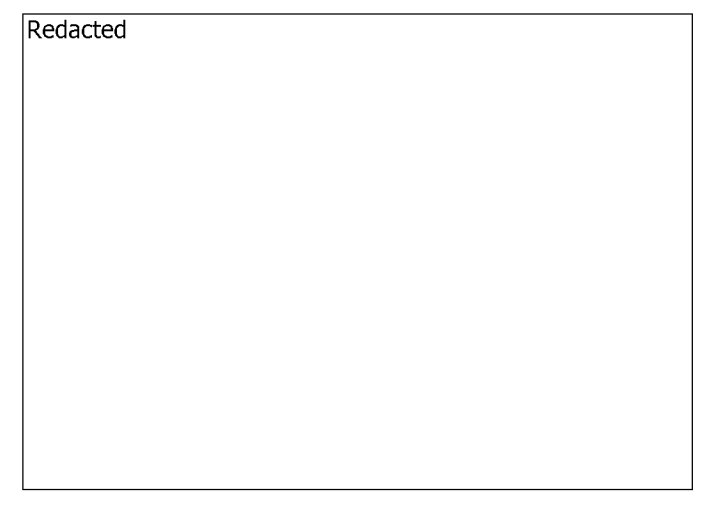
DETAIL 5 WELD DETAIL
 NOT TO SCALE GS&S D-22, FIG. 2



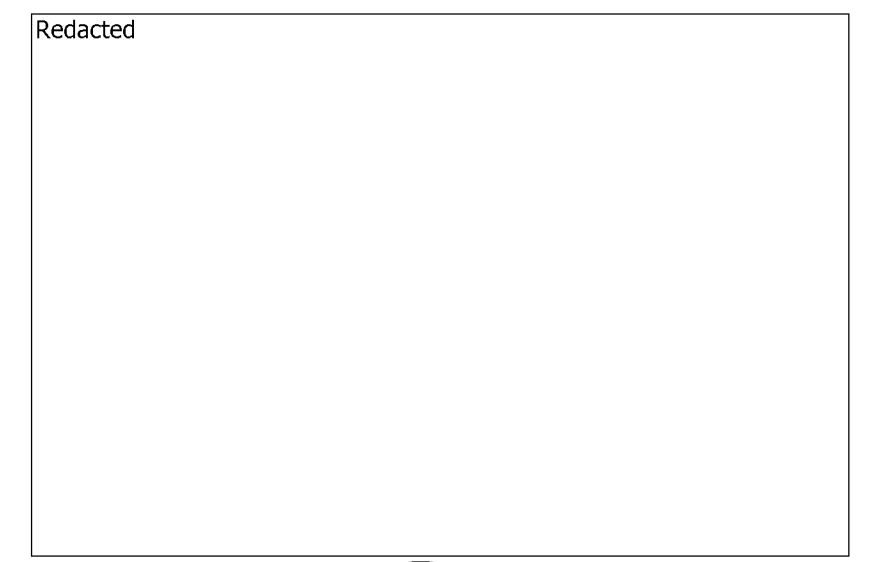
DETAIL 6 WELD DETAIL
 NOT TO SCALE GS&S D-22, FIG. 3



DETAIL 7 12" BLOW DOWN
 SCALE 1/8" = 1' SHT 2 LOCATION A

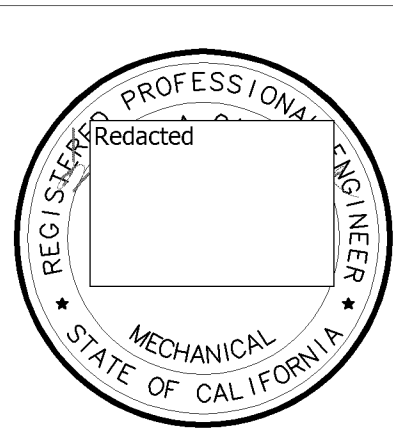


DETAIL 8 TYP TRENCH
 NOT TO SCALE 34" PIPE



DETAIL 9 TEMPERATURE PROBE
 NOT TO SCALE SHT 2 MIN. 100' FROM TEST STATION

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



COPY



NO.	DATE	ISSUED FOR CONSTRUCTION	GM/SPEC	DWN	CHKD	SUPV	APVD BY
0	3/23/12	ISSUED FOR CONSTRUCTION	41617928	DCB	IGH	RAA	MAC

APPROVED BY: GM 41617928
 SUPV
 DCB
 DSCN
 IGH
 DWN DCB
 CHKD IGH
 RAA
 OK RAA | RAA
 DATE 3-23-12
 SCALES AS SHOWN

HYDROTEST 055-12
 L-300A
 MP 230.32 - 231.20
 TEHACHAPI, CALIFORNIA
 PACIFIC GAS AND ELECTRIC COMPANY
 WALNUT CREEK, CALIFORNIA

MICROFILM	
BILL OF MATL SHEET 05	
DWG LIST	
SUPSDS	
SUPSD BY	
SHEET NO. 04 OF 05 SHEETS	
41617928	0

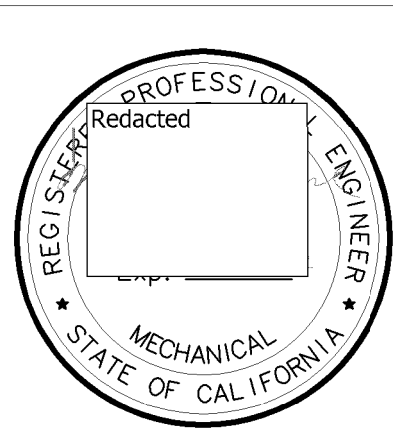
MATERIAL OF RECORD			
Item Number	Description	Units	Quantity
1	Pipe, 34.00" OD x 0.375" WT, API 5L, X-52, DSAW	Ft.	4639
2	Elbow, 34.00" OD x 0.375" WT, Y-52	Ea.	4
3	Tap, Blow Down, 12.750" OD x 0.500" WT, GR B, SMLS (1 Ea.)	Ft.	125

BILL OF MATERIALS						
Item Number	Description	PG&E Material Code	Units	Quantity	Heat Number (As-Built for pipe & HY fittings)	Serial Number (As-Built for pipe & HY fittings)
EXPENSE ITEMS ORDER #41617928						
101	Pipe, 34.00" OD x 0.375" WT, API 5L, X-65, SAWL, FBE Coated	M011067	Ft.	101		
113	Elbow, 34.00" OD x 0.505" WT, Y-60, 90°	M021437	Ea.	8		
153	Cap, 34.00" OD x 0.505" WT, Y-60	M022199	Ea.	2		
181	Save a Valve Nipple, 2"	M022289	Ea.	7		
220	Flange, 12", RF, ANSI 600, WeldNeck, 0.500"WT		Ea.	1		
221	Gasket, Linebacker, Type F, per GS&S B-45.1, ANSI 600, 17.875"OD	M016655	Ea.	1		
222	Flange, 12", RF, ANSI 600, Blind with 1/2" Tap	M020898	Ea.	1		
223	Bolt 1.25" x 8-3/4", With Matching Nut, ANSI 600	M192686	Ea.	20		
224	Nipple, 1/2"x4", API 5L, GR B, SMLS	M020681	Ea.	1		
225	Valve, Ball, 3000#, 1/2"	M034638	Ea.	1		
226	Plug, 1/2", Hex Head, Threaded	M021249	Ea.	1		
CONTINGENCY ITEMS ORDER #41617928						
101	Pipe, 34.00" OD x 0.375" WT, API 5L, X-65, SAWL, FBE Coated	M011067	Ft.	40		

E
D
C
B
A

E
D
C
B
A

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



COPY



NO.	DATE	DESCRIPTION	GM/SPEC	DWN	CHKD	SUPV	APVD BY
0	3/23/12	ISSUED FOR CONSTRUCTION	41617928	DCB	IGH	RAA	MAC

APPROVED BY	QM 41617928
BY	SUPV
DCB	DSCN
IGH	DWN DCB
RAA	CHKD IGH
MAC	OK RAA RAA
	DATE 3-23-12
	SCALE AS SHOWN

HYDROTEST 055-12
L-300A
MP 230.32 - 231.20
TEHACHAPI, CALIFORNIA
PACIFIC GAS AND ELECTRIC COMPANY
WALNUT CREEK, CALIFORNIA

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