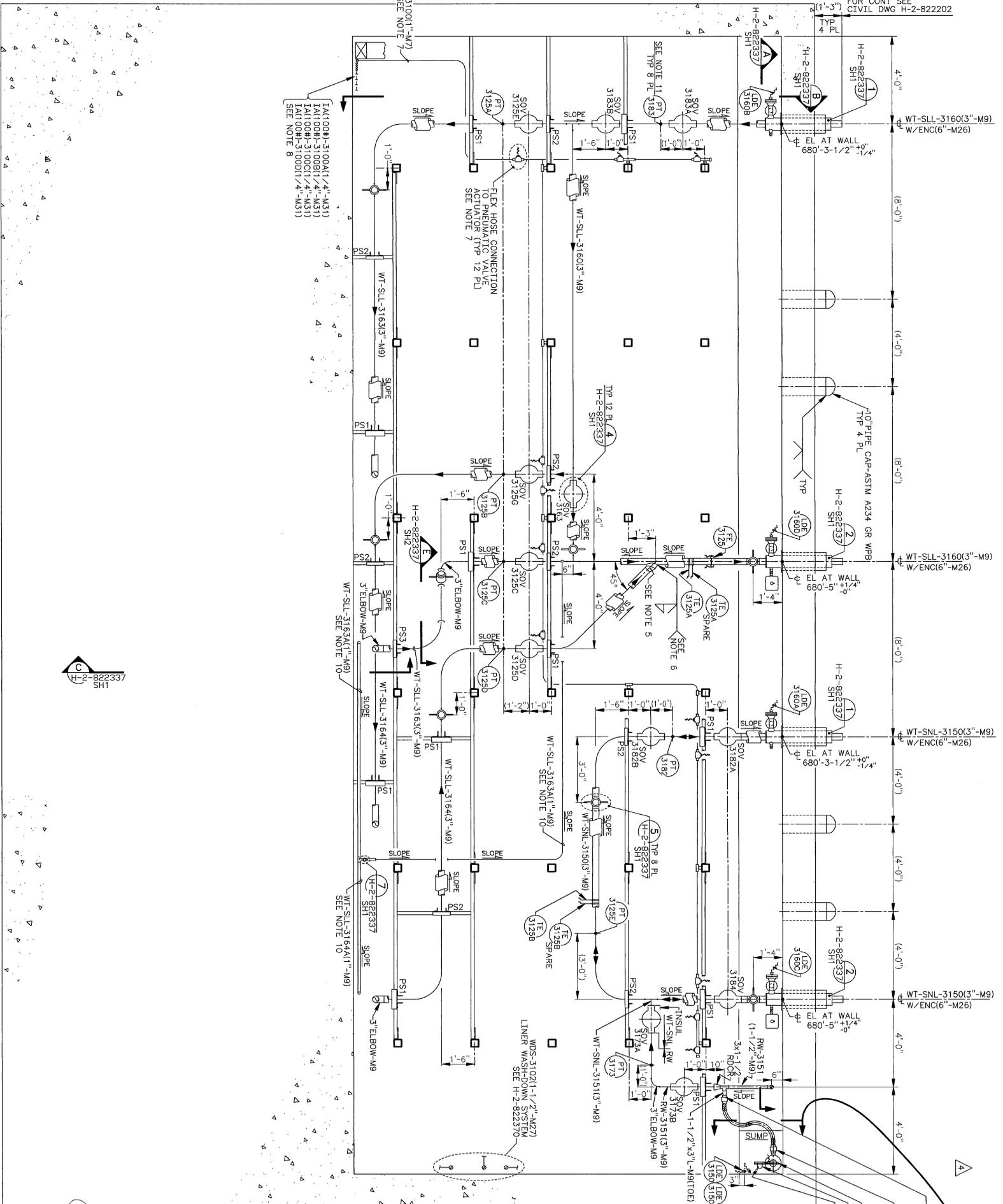
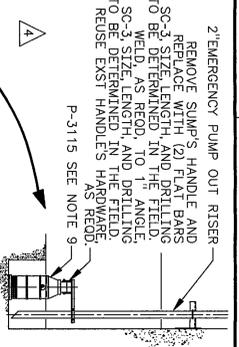




FOR CONT SEE CIVIL DWG H-2-822202



PLAN BELOW SHIELD FLOOR AT EL 681'-0"



- 2" EMERGENCY PUMP OUT RISER
REMOVE SUMP HANDLE AND
RELOCATE TO FIELD. END
SC-3 SIZE LENGTH AND DRILLING
TO BE DETERMINED IN THE FIELD.
WELD, AS REQD, TO 1" ANGLE.
SC-3 SIZE LENGTH AND DRILLING
TO BE DETERMINED IN THE FIELD.
REMOVE SUMP HANDLE AND
RELOCATE TO FIELD. END
- P-3115 SEE NOTE 9
- 1-1/2" x 10'-0" FLEXHOSES 401M FLEX-HOSE ASSY
W/1-1/2" MPT, 3/16 SST, SCHED 40 END CONNECTIONS
OR APPROVED SUBSTITUTE
- 1-1/2" x 15'-11" SST 304L W/PPT END CONNECTIONS
OR APPROVED SUBSTITUTE
- #H-415-15-1-SS304L W/PPT END CONNECTIONS
OR APPROVED SUBSTITUTE
- OR APPROVED SUBSTITUTE
- U-BOLT, SC-3, (1/2" CLEAR, ALL AROUND)
- 2" EMERGENCY PUMP OUT RISER SEE STRUCTURAL DWG H-2-822288

NOTES:

- FOR GENERAL NOTES SEE DWG H-2-822335.
- FOR PIPE SUPPORTS PS1, PS2 & PS3 SEE DWG H-2-822338.
- FOR INSTRUMENT INSTALLATION SEE DWG H-2-822420.
- 3"-M9 SST PIPE SHALL NOT COME IN DIRECT CONTACT WITH CARBON STEEL. PROTECT PIPE PER DETAIL 8 ON DWG H-2-822335.
- INTEGRALLY REINFORCED LATERAL CONNECTION 3"x3", SCHED 40S, BUTTWELD, ASTM A182 F304L
- WELD SIZE PER MANUFACTURER'S RECOMMENDATION.
- FIELD ROUTE & SUPPORT VALVE ACTUATOR AIR SUPPLY HEADER IAT110#-31001(-M7), 8'-0" MAXIMUM SUPPORT SPACING. MAY BE WELDED TO ELECTRICAL CONDUIT. SEE DWG H-2-822335 FOR DETAILS. SUPPORTS SHALL BE FABRICATED FROM SST MATERIAL AND MUST NOT COMPROMISE THE INTEGRITY OF THE LINER PLATE. SUPPORTS WELDED TO CARBON STEEL MEMBERS SHALL BE FABRICATED FROM CARBON STEEL MATERIAL. DO NOT ATTACH SUPPORTS TO REMOVABLE FLOOR DRAINAGE. PIPE ROUTINGS SHALL PROVIDE MAXIMUM WORKING SPACE. BRANCHES TO PNEUMATIC ACTUATORS SHALL CONSIST OF A 1" TEE/W/1" x 1/4 HEX BUSHING(W/1) ON BRANCH, AND 1/4" TD x LENGTH AND ROUND END WORKING PRESSURE. PERFORM LEAK TEST AND SERVICE PRESSURE. EXAMINE ALL JOINTS AND CONNECTIONS. NO LEAKAGE SHALL BE PERMITTED.
- FIELD ROUTE & SUPPORT PUMP SET, AIR SUPPLY LINES IAT110#-31001(-M7) AND IAT110#-31001(-M7) FROM PUMP P-3125A (1/4"-M31) TO P-3125B. ROUTINGS SHALL NOT INTERFERE WITH SHIELDING FLOOR PANEL REMOVAL. MAY COMBINE IAT-M31 TUBING WITH ELECTRICAL CONDUIT. SUPPORTS (SEE DWG H-2-822510), SUPPORTS WELDED TO SST LINER SHALL BE COMPROMISE THE INTEGRITY OF THE LINER PLATE. SUPPORTS WELDED TO CARBON STEEL MEMBERS SHALL BE FABRICATED FROM CARBON STEEL MATERIAL. DO NOT ATTACH SUPPORTS TO REMOVABLE FLOOR PANELS. FLOOR PANELS SHALL BE REMOVED FROM COMPLETE FLOOR DRAINAGE. PIPE ROUTINGS SHALL PROVIDE MAXIMUM WORKING SPACE ACCESS.
- PORTABLE ELECTRIC SUBMERSIBLE STAINLESS STEEL DEMATERING PUMP, 60HZ, 3/4, 460V SOUTHERN-CAGE INDUCTION MOTOR WITH A .95 MIN POWER FACTOR & CLASS F INSULATION. BEARING AND DRIVE END SHAFTS SHALL BE 1/2" DIA. 3" INCH DIA. OUTLET CONNECTION. FLYGT MODEL B2060 OR APPROVED SUBSTITUTE. FIELD SHALL MODEL B2060 OR APPROVED HITTAP COUPLING ASSY.
- FIELD ROUTE & SUPPORT WT-SLL-3163A1(-M9) FROM PUMP P-3125A TO P-3125B. SUPPORTS SHALL BE SST & RIGIDLY MOUNTED. SUPPORT SPACING, SUPPORTS SHALL BE SST & RIGIDLY MOUNTED. THE ENTIRETY OF THE LINER PLATE MUST NOT COMPROMISE THE INTEGRITY OF THE LINER PLATE. DO NOT ATTACH SUPPORTS TO REMOVABLE FLOOR DRAINAGE. PIPE ROUTINGS SHALL PROVIDE MAXIMUM WORKING SPACE ACCESS. BRANCHES TO PNEUMATIC ACTUATORS SHALL CONSIST OF A 1" TEE/W/1" x 1/4 HEX BUSHING(W/1) ON BRANCH, AND 1/4" TD x LENGTH AND ROUND END WORKING PRESSURE. PERFORM LEAK TEST AND SERVICE PRESSURE. EXAMINE ALL JOINTS AND CONNECTIONS. NO LEAKAGE SHALL BE PERMITTED.
- FIELD VERIFY THAT ADEQUATE CLEARANCE EXISTS BETWEEN PRESSURE TRANSDUCER INSTALLATION (H-2-822420 SH-2) AND REMOVABLE SHIELD FLOOR PANEL. TRANSMITTER PORT MAY BE ROTATED UP TO 45° IN EITHER DIRECTION ON TOP HALF OF PIPE TO OBTAIN ADEQUATE CLEARANCE.
- ALL THE PIPING AND SUPPORTS INSIDE THE BUILDING ARE SAFETY CLASS 3. THE M9 AND M26 PIPING OUTSIDE THE BUILDING IS SAFETY CLASS 1. SEE DRAWING H-2-822337, SH 1, DET 1 & 2 FOR THE CLASSIFICATION BREAK.
- FIELD VERIFY THAT ADEQUATE CLEARANCE EXISTS BETWEEN PRESSURE TRANSDUCER INSTALLATION (H-2-822420 SH-2) AND REMOVABLE SHIELD FLOOR PANEL. TRANSMITTER PORT MAY BE ROTATED UP TO 45° IN EITHER DIRECTION ON TOP HALF OF PIPE TO OBTAIN ADEQUATE CLEARANCE.



U.S. DEPARTMENT OF ENERGY
ICR RESEARCH CORPORATION
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DIVERSION BOX 6241-A
PIPING
PROJECT: W-058, REPLACEMENT OF CROSS-SITE TRANSFER SYSTEM
SHEET NO. 1 OF 2
DATE: 1/27/10
SCALE: 1/2"=1'-0"

NO.	DATE	BY	CHKD	DESCRIPTION
1	1/27/10	JR	JR	ISSUED FOR CONSTRUCTION
2	1/27/10	JR	JR	REVISED PER COMMENTS
3	1/27/10	JR	JR	REVISED PER COMMENTS
4	1/27/10	JR	JR	REVISED PER COMMENTS

NO.	DATE	BY	CHKD	DESCRIPTION
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2	1/27/10	JR	JR	REVISED PER COMMENTS
3	1/27/10	JR	JR	REVISED PER COMMENTS
4	1/27/10	JR	JR	REVISED PER COMMENTS

W-058-C3
CONSTRUCTION SPECIFICATION
DRAWING LIST

NO.	DATE	BY	CHKD	DESCRIPTION
1	1/27/10	JR	JR	ISSUED FOR CONSTRUCTION
2	1/27/10	JR	JR	REVISED PER COMMENTS
3	1/27/10	JR	JR	REVISED PER COMMENTS
4	1/27/10	JR	JR	REVISED PER COMMENTS

PIPING
DIVERSION BOX 6241-A
PROJECT: W-058, REPLACEMENT OF CROSS-SITE TRANSFER SYSTEM
SHEET NO. 1 OF 2
DATE: 1/27/10
SCALE: 1/2"=1'-0"