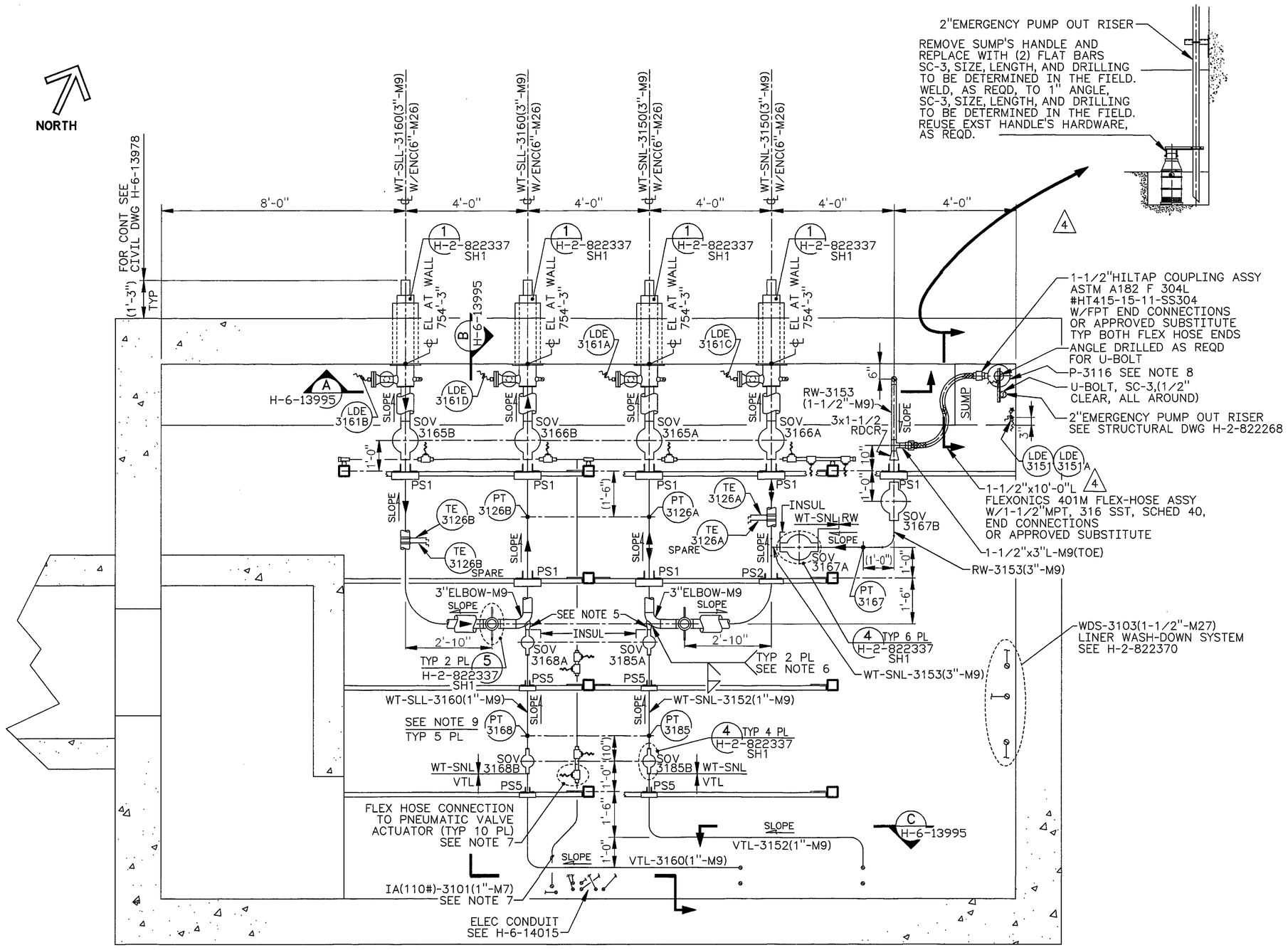

PLAN BELOW SHIELD FLOOR AT EL 754'-10"

NOTES :

1. FOR GENERAL NOTES SEE DWG H-2-822335.
2. FOR PIPE SUPPORTS PS1, PS2 & PS5 SEE DWG H-2-822338.
3. FOR INSTRUMENT INSTALLATION SEE DWG H-2-822420.
4. 3"-M9 SST PIPE SHALL NOT COME IN DIRECT CONTACT WITH CARBON STEEL. PROTECT PIPE PER DETAIL 8 ON DWG H-2-822338.
5. INTEGRALLY REINFORCED ELBOW CONNECTION 3"x1", SCHED 40S, BUTTWELD, ASTM A182 F304L
6. WELD SIZE PER MANUFACTURER'S RECOMENDATION.
7. FIELD ROUTE & SUPPORT VALVE ACTUATOR AIR SUPPLY HEADER IA(110#)-3101(1"-M7). 8'-0" MAXIMUM SUPPORT SPACING. MAY COMBINE WITH ELECTRICAL CONDUIT SUPPORTS (SEE DWG H-6-14015 SH1). SUPPORTS WELDED TO SST LINER 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 SHIELDING FLOOR PANELS. SUPPORTS AND PIPING SHALL NOT INTERFERE WITH COMPLETE FLOOR DRAINAGE. PIPE ROUTINGS SHALL PROVIDE MAXIMUM WORKING SPACE ACCESS. BRANCHES TO PNEUMATIC ACTUATORS SHALL CONSIST OF A 1" TEE (M7) W/1"x 1/4" HEX BUSHING (M7) ON BRANCH AND 1/4" ID x LENGTH AS REQUIRED EPDM FLEX HOSE WITH 1/4" NPT END CONNECTIONS AND 200psi WORKING PRESSURE. PERFORM LEAK TEST AT SERVICE PRESSURE. EXAMINE ALL JOINTS AND CONNECTIONS. NO LEAKAGE SHALL BE PERMITTED.
8. PORTABLE ELECTRIC SUBMERSIBLE STAINLESS STEEL DEWATERING PUMP. 60Hz, 3ø, 460V SQUIRREL-CAGE INDUCTION MOTOR WITH A .95 MIN POWER FACTOR & CLASS F INSULATION. BEARING AND SEAL DESIGN SUCH THAT THE PUMP CAN RUN DRY WITHOUT DAMAGE. 50 GPM AT 70 FEET OF HEAD. 3 INCH OUTLET CONNECTION. FLYGT MODEL BS2060 OR APPROVED SUBSTITUTE. FIELD SHALL MODIFY PUMP DISCHARGE TO ACCEPT HILTAP COUPLING ASSY.
9. FIELD VERIFY THAT ADEQUATE CLEARANCE EXISTS BETWEEN PRESSURE TRANSMITTER 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.
10. 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, SHT 1, DET 1 & 2 FOR THE CLASSIFICATION BREAK. (4)

JAMES R. COLLINS — STATE OF WASHINGTON — 16941 — REGISTERED PROFESSIONAL ENGINEER — 4/10/98

EXPIRES: 11/11/99

NUMBER	TITLE (DRAWING TRACEABILITY LIST)	NUMBER	TITLE (REFERENCES)
		W-058-C3	W-058 CONSTRUCTION SPECIFICATION
		H-2-822200	DRAWING LIST
		NEXT USED ON	H-2-822335

MF	REV NO.	DESCRIPTION (REVISIONS)	REV BY DATE	KEH APPROVALS	APVD FOR IMPL/INC FOR DATE
	4	W-058-371, 379, AND 394 REVISED PER ECN W-058 PROJECT TURNOVER	HBM 9/10/98	9/10/98	4-13-98

CAD FILE F013994A — CAD CODE 2J:IBM:ACD2:12.0:NN — XREF'S N

USE	CONSTRUCTION		
SAFETY CLASS	1 SEE NOTE 10	EDT	612958
DESIGNED	RJ LAMOUREUX 9/28/98	U.S. DEPARTMENT OF ENERGY RICHLAND OPERATIONS OFFICE ICF KAISER HANFORD COMPANY	
DSGN ENGR	KELLY K. HAYASE 9/28/98		
CHECKED	L HALL 9/28/98		
SAFETY	SEE DR/AT FORM	PIPING PLAN VENT STATION 6241-V	
ENVIR	SEE DR/AT FORM		
QUAL ENGR	SEE DR/AT FORM		
LEAD ENGR	J R COLLINS 9/28/98		
REVISION NO.	14 9/22/98	PROJECT W-058, REPLACEMENT OF CROSS-SITE TRANSFER SYSTEM	
APPROVED FOR IMPLEMENTATION	BY C VAN KATWIJK	SIZE F / BLDG NO. 6241-V / INDEX NO. 8404 / DWG NO. H-6-13994	REV NO. 4
FOR WHC	DATE 10/13/95	SCALE 1/2"=1'-0" / JOB NO. CR1320	SHEET 1 OF 2

PLOT SCALE: 1=24 — KEHCAD

KEH 0350.00 (03/94) STRTKEHP: 199403030900