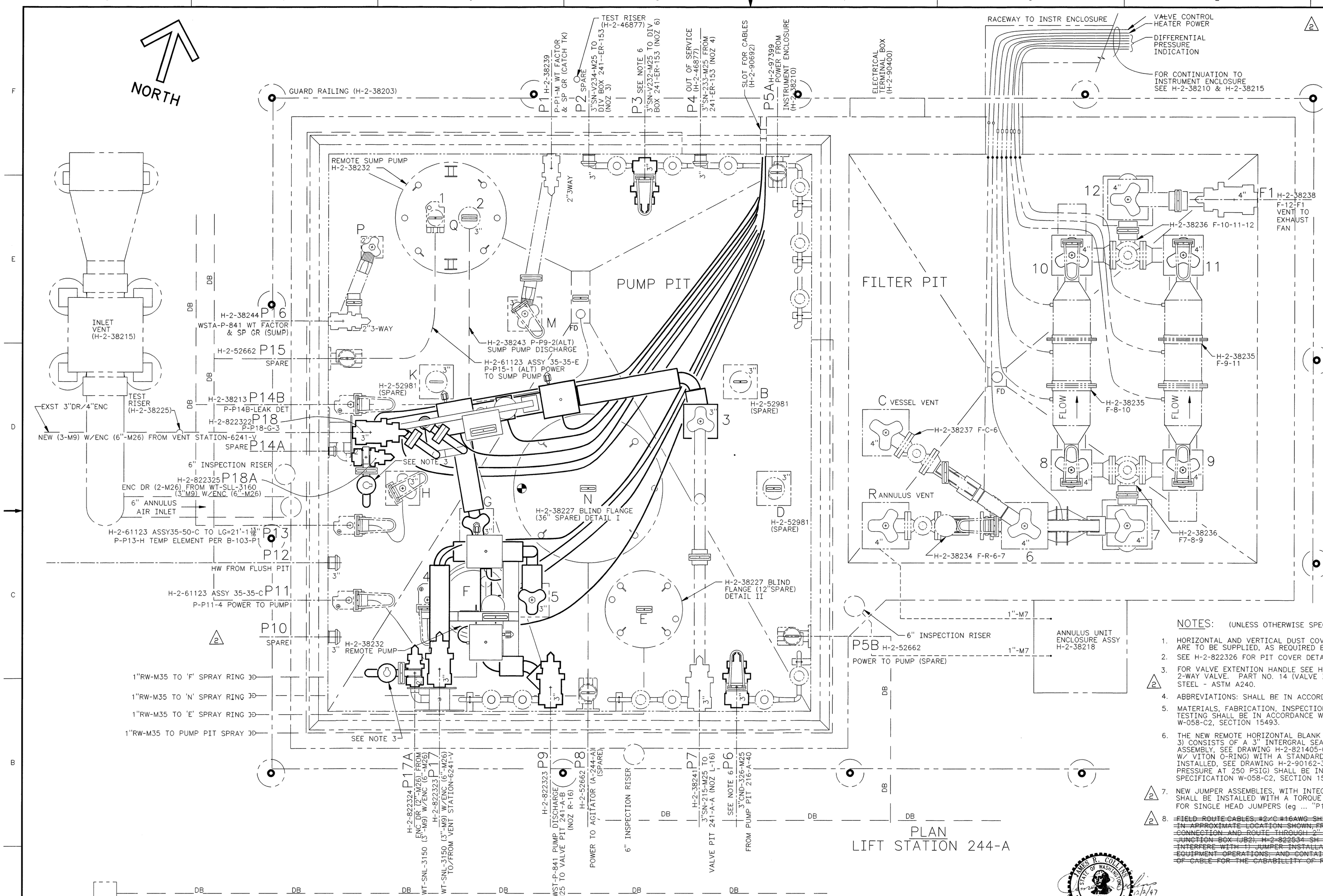

PLAN
LIFT STATION 244-A

INSTALLATION/ REMOVAL NOTES:

JUMPER P18A SHOULD BE INPLACE BEFORE P18-G-3 (NOT MANDATORY). JUMPER P17A SHOULD BE INPLACBEFORE P17-P9-5 (NOT MANDATORY). JUMPER P18-G-3 MUST BE INPLACE BEFORE P7-3 INSTALLATION. REVERSE THE ORDER FOR REMOVAL.

JUMPER P18A

INSTALLATION:

LOWER ONTO NOZZLE "P18A". HORIZONTAL PIPE LEG SHOULD BE PARALLEL TO FLOOR BEFORE THE FINAL TORQUEING OF P18A.

REMOVAL:

NO SPECIAL INSTRUCTIONS.

JUMPER P18-G-3

INSTALLATION:

LOWER ONTO NOZZLE "P18", THEN ORIENTATE THE VERTICAL CONNECTORS "G" OVER THEIR NOZZLE. TORQUEING SEQUENCE SHOULD BE 1) G, 2) P18, 3) G, AND 4) P18.

REMOVAL:

KICK-OFF SEQUENCE SHOULD BE 1) G, 2) P18, 3) G, AND 4) P18. NOTE: JUMPER AT P7-3 NOZZLES SHOULD HAVE BEEN PREVIOUSLY REMOVED.

JUMPER P17A

INSTALLATION:

LOWER ONTO NOZZLE "P17A". HORIZONTAL PIPE LEG SHOULD BE PARALLEL TO FLOOR BEFORE THE FINAL TORQUEING OF P17A.

REMOVAL:

NO SPECIAL INSTRUCTIONS.

JUMPER P17-P9-5

INSTALLATION:

LOWER ONTO NOZZLE "P17" AND "P9", THEN ORIENTATE THE VERTICAL CONNECTOR "5" OVER THEIR NOZZLE. TORQUEING SEQUENCE SHOULD BE 1) P17, 2) P9, 3) 5, 4) P17, 5) P9, AND 6) 5.

REMOVAL:

KICK-OFF SEQUENCE SHOULD BE 1) P17, 2) P9, 3) 5.

JUMPER P7-3

INSTALLATION:

LOWER ONTO NOZZLE "P7", THEN OVER VERTICAL NOZZLE "3". TORQUEING SEQUENCE SHOULD BE 1) P7, 2) 3, AND 3) P7.

REMOVAL:

KICK-OFF SEQUENCE SHOULD BE 1) P7, 2) 3.

NOTES: (UNLESS OTHERWISE SPECIFIED)

1. HORIZONTAL AND VERTICAL DUST COVERS SHOWN IN ARRANGEMENT ARE TO BE SUPPLIED, AS REQUIRED BY CUSTOMER.
2. SEE H-2-822326 FOR PIT COVER DETAILS AND PAINTING DIAGRAM.
3. FOR VALVE EXTENTION HANDLE SEE H-2-90172 ASSEMBLY 2, TYPE A, 2-WAY VALVE. PART NO. 14 (VALVE IDENT PL) SHALL BE STAINLESS STEEL - ASTM A240.
4. ABBREVIATIONS: SHALL BE IN ACCORDANCE WITH ASME Y1.1.
5. MATERIALS, FABRICATION, INSPECTION, CLEANING, EXAMINATION, AND TESTING SHALL BE IN ACCORDANCE WITH CONSTRUCTION SPECIFICATION W-058-C2, SECTION 15493.
6. THE NEW REMOTE HORIZONTAL BLANK CONNECTOR ASSEMBLY (SAFETY CLASS 3) CONSISTS OF A 3" INTERGRAL SEAL BLOCK JUMPER CONNECTOR ASSEMBLY, SEE DRAWING H-2-821405-050 (ASSY, 3" CONN BLANK, HORIZ W/ VITON O-RING) WITH A STANDARD HORIZONTAL CONN BAIL ASSEMBLY INSTALLED, SEE DRAWING H-2-90162-3. FABRICATION AND TESTING (TEST PRESSURE AT 250 PSIG) SHALL BE IN ACCORDANCE WITH CONSTRUCTION SPECIFICATION W-058-C2, SECTION 15493, APPENDIX A.
7. NEW JUMPER ASSEMBLIES, WITH INTEGRAL SEAL BLOCK CONNECTORS SHALL BE INSTALLED WITH A TORQUE OF 50 FT-LB. NOT APPLICABLE FOR SINGLE HEAD JUMPERS (eg ... "P17A" OR "P18A").
8. ~~FIELD ROUTE CABLES #2/C #16AWG SHIELDED CABLE (ROCKBESTOS #I46-0021) IN APPROXIMATE LOCATION SHOWN, FROM INSTRUMENT (PT 3102 & PT 3103) CONNECTION AND ROUTE THROUGH 2" SLOT AND WILL TERMINATE IN JUNCTION BOX (JB2), H-2-822534 SH 1. ROUTINGS SHOULD NOT INTERFERE WITH 1) JUMPER INSTALLATIONS, 2) JUMPER REMOVALS, 3) EQUIPMENT OPERATIONS AND CONTAIN A MINIMUM OF 6" OF FREE LENGTH OF CABLE FOR THE CABABILLITY OF REMOTE REMOVAL OF PT.~~

STATE OF WASHINGTON JAMES R. COLLINS 16941 REGISTERED PROFESSIONAL ENGINEER 12/2/97
EXPIRES: 11/11/97

H-2-38233	JUMPER ARRANGEMENT LIFT STA	H-2-90172 W-058-C2 H-2-821405 H-2-822200	STD VALVE EXTENTION HANDLE W-058-C2 CONSTRUCTION SPEC 3"INTEGRAL SEAL CONN ASSY DRAWING LIST	MF	2	142, 174, 281, 294, AND 300. REVISED PER ECN W-058-132. W-058 PROJECT TURNOVER	RLR 8/97
NUMBER	TITLE	NUMBER	TITLE	REV NO.		DESCRIPTION	REV BY DATE
DRAWING TRACEABILITY LIST		REFERENCES		REVISIONS			

NEXT USED ON H-2-822321 | CAD FILE B822320A | CAD CODE 2J:IBM:ACD2:12.0:NN | XREFS N

DESIGNED	Wm ZICKUHR	DATE	
DSGN ENGR	KELLY K. HAYASE	8/25 1995	
CHECKED	L. HALL	8/25 1995	
SAFETY	SEE DR/AT FORM		
ENVIR	SEE DR/AT FORM		
QUAL ENGR	SEE DR/AT FORM		
LEAD ENGR	J.R. COLLINS	7/25 1995	
REVIEW NO.	9	9/25 1995	
APPROVED FOR IMPL-ING FOR DATE			
APPROVED FOR IMPLEMENTATION BY	C. VAN KATWIJK		
FOR	WHC	DATE	8/26/95

USE CONSTRUCTION
SAFETY CLASS 3 EDT 612961

U.S. DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
ICF KAISER HANFORD COMPANY

JUMPER ARRANGEMENT
LIFT STATION 244-A

PROJECT W058, REPLACEMENT OF CROSS - SITE TRANSFER SYSTEM

SIZE	BLDG NO.	INDEX NO.	DWG NO.	REV NO.
F	244-A	8404 0402	H-2-822320	2

SCALE 1"=1'-0" | JOB NO. CR1320 | SHEET 1 OF 1

2 PLOT SCALE: 1=1 | KEHCAD | 1.

KEH 0350.00 (03/94) STRTKEHP1 1994030530600