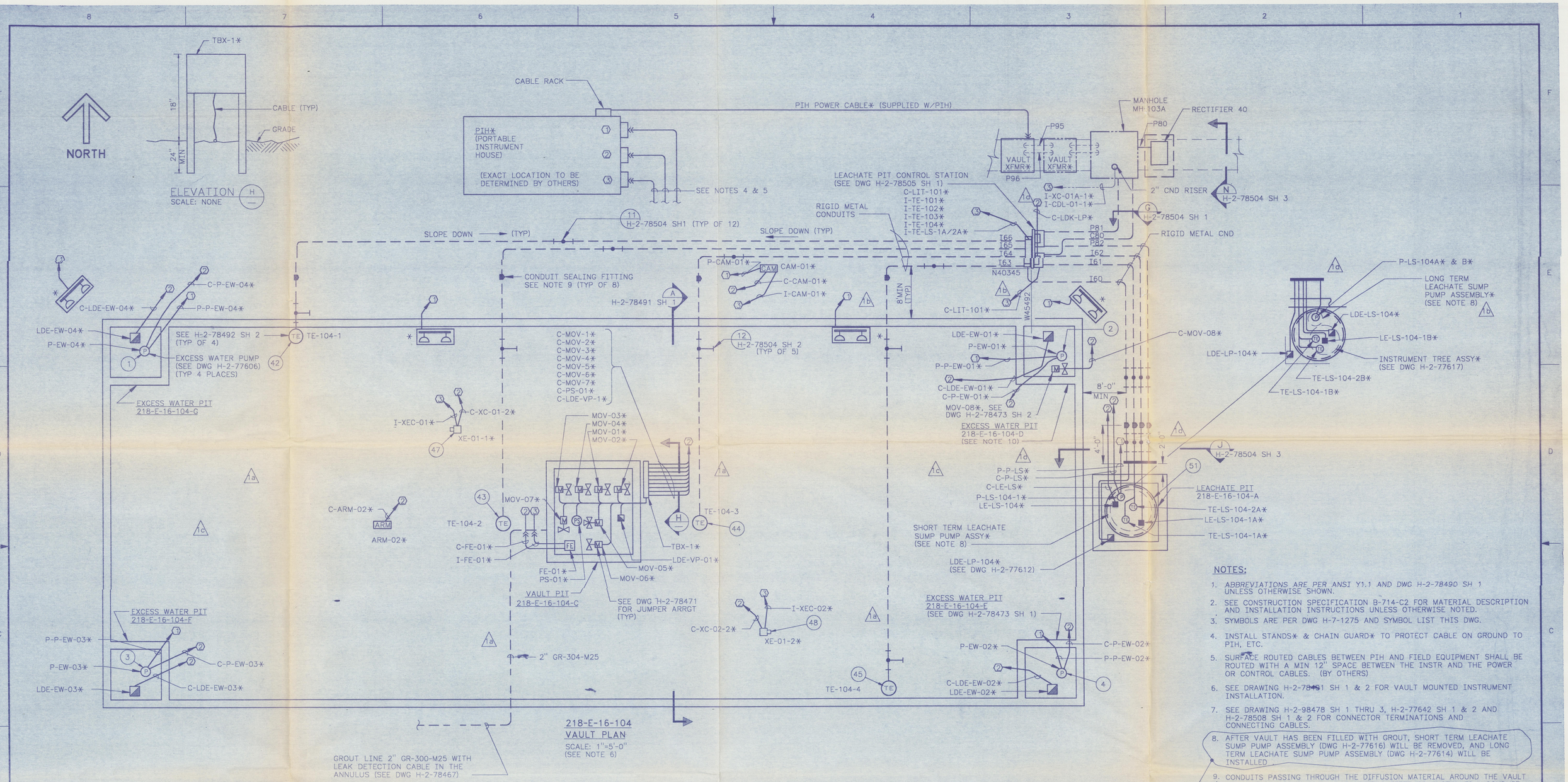


NOTES:

1. ABBREVIATIONS ARE PER ANSI Y1.1 AND DWG H-2-78490 SH 1 UNLESS OTHERWISE SHOWN.
2. SEE CONSTRUCTION SPECIFICATION B-714-C2 FOR MATERIAL DESCRIPTION AND INSTALLATION INSTRUCTIONS UNLESS OTHERWISE NOTED.
3. SYMBOLS ARE PER DWG H-7-1275 AND SYMBOL LIST THIS DWG.
4. INSTALL STANDS* & CHAIN GUARD* TO PROTECT CABLE ON GROUND TO PIH, ETC.
5. SURFACE ROUTED CABLES BETWEEN PIH AND FIELD EQUIPMENT SHALL BE ROUTED WITH A MIN 12" SPACE BETWEEN THE INSTR AND THE POWER OR CONTROL CABLES. (BY OTHERS)
6. SEE DRAWING H-2-78491 SH 1 & 2 FOR VAULT MOUNTED INSTRUMENT INSTALLATION.
7. SEE DRAWING H-2-98478 SH 1 THRU 3, H-2-77642 SH 1 & 2 AND H-2-78508 SH 1 & 2 FOR CONNECTOR TERMINATIONS AND CONNECTING CABLES.
8. AFTER VAULT HAS BEEN FILLED WITH GROUT, SHORT TERM LEACHATE SUMP PUMP ASSEMBLY (DWG H-2-77616) WILL BE REMOVED, AND LONG TERM LEACHATE SUMP PUMP ASSEMBLY (DWG H-2-77614) WILL BE INSTALLED.
9. CONDUITS PASSING THROUGH THE DIFFUSION MATERIAL AROUND THE VAULT & LEACHATE PIT SHALL HAVE SEALING FITTINGS INSTALLED. CONDUIT SEALING FITTINGS SHALL BE CROUSE-HINDS TYPE EYS, SEALED WITH CHICO X FIBER AND CHICO A COMPOUND AND INSTALLED PER MANUFACTURERS RECOMMENDATIONS. (1C) BY OTHERS
10. PUMP P-EW-01 OR MOV-08 MAY BE INSTALLED IN EXCESS WATER PITS 218-E-16-104D AND 218-E-16-105D BUT NOT BOTH IN THE SAME PIT AT THE SAME TIME.

SYMBOL LIST (SEE NOTE 3)

- TE — TEMPERATURE ELEMENT
- TE — TEMPERATURE ELEMENT TREE
- FE — FLOW ELEMENT
- LEAK DETECTOR ELEMENT
- ARM — AREA RADIATION MONITOR
- CAM — CONTINUOUS AIR MONITOR
- VEAM — VAULT EXHAUSTER AIR MONITOR
- PT — PRESSURE TRANSMITTER
- PS — PRESSURE SWITCH
- LEVEL ELEMENT
- CCTV
- P — PUMP
- M — MOTOR OPERATED VALVE
- PORTABLE LIGHTS WAGON
- 1 — JB-PIH-1 PIH POWER CONN BOX
- 2 — JB-PIH-2 PIH CONTROL CONN BOX
- 3 — JB-PIH-3 PIH INSTRUMENT CONN BOX
- * — EQUIPMENT & CABLES WILL BE PROVIDED AND INSTALLED BY OTHERS
- 51 — PENETRATION NO. SEE DWG H-2-78458 SH 1 & 2

CONDUIT AND CABLE PREFIXES SIGNIFY:

P = POWER
C = CONTROL
I = INSTRUMENTATION

NUMBER	TITLE
H-2-98478 SH 1-3	ELEC CONN SCH VAULT 101
H-2-77642 SH 2	ELEC CONN SCH VAULT 103
H-2-77642 SH 1	ELEC CONN SCH VAULT 102
H-2-77617 SH 1-3	LEACHATE PUMP INSTR TREE ASSY
H-2-77616 SH 1-3	SHORT TERM LEACHATE PUMP ASSEMBLY
H-2-77614	LEACHATE PUMP ASSY
H-2-77612	LEACHATE PUMP PIT JUMPER ARRANGEMENT
H-2-77606 SH 1-3	EXCESS WATER PUMP ASSY
H-2-78443	DRAWING LIST

DRAWING TRACEABILITY LIST — REFERENCES — NEXT USED ON H-2-78500

REV NO.	DESCRIPTION	REV BY	DATE	KEH APPROVALS	APVD FOR IMPL/INC FOR DATE
RS 1	d)B-714-53,ZD-E3,B1,E3 c)B-714-36,ZC7-D8,D4,B2 b)B-714-30,ZE3,E4,E1 a)B-714-22,ZD7,D5,C6,C4 THRU B-714-61 GENL REV; INCORP ALL ECN'S	TEC 6-19-90	11-26-90 12-3-90 12-6-90	12-7-90 12-10-90 12-13-90	
MF					

REVISIONS

CAD FILE B078501A — CAD CODE 2J:SUN:ACD2:9.0:NN

APPROVED FOR IMPLEMENTATION BY S.R. BRIGGS FOR WHC DATE 10-31-89

DRAWN JL BRINKLEY DATE
CHECKED G.KUBINSKI 10-27-89
SAFETY J.ARCHIBALD 10-31-89
ENVIR R.HOLLENBECK 10-31-89
QE L.GADDIS 11-1-89 T.HAYS 11-1-89
LEAD ENG APVD AR SNOWHITE 10-27-89

DOES NOT CONTAIN CLASSIFIED OR UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION
Reviewing Official/ADC
Kaiser Engineers Hanford Company
11-22-90
Date

JAN 4 1990 RECEIVED EDMC

STATE OF WASHINGTON — CHARLES L. GUBLETT — 14516 — REGISTERED PROFESSIONAL ENGINEER
12-12-90 Rev 1

IMPACT LEVEL 2 — EDT 151655

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

ELECTRICAL VAULT PLAN 218-E-16-104

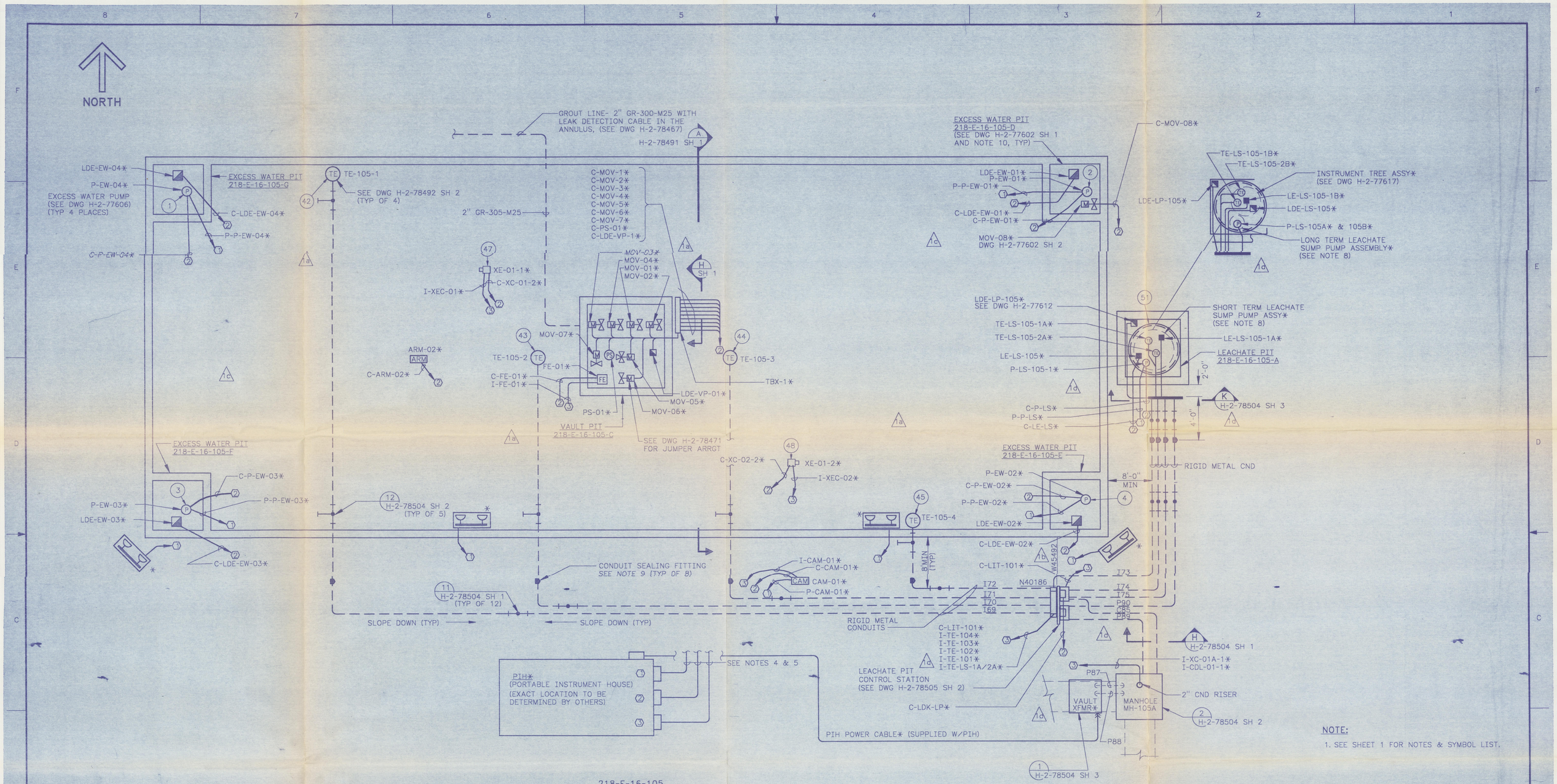
PROJECT B-714 GROUT VAULT PAIR (218-E-16-104 & 105)

SIZE	BLDG NO.	INDEX NO.	DWG NO.	REV NO.
F	218-E-16	5901-7301 7501	H-2-78501	1

SCALE SHOWN — JOB NO. ER8159 — SHEET 1 OF 2

KCHCAD

00124660 1 of 2



218-E-16-105 VAULT PLAN

SCALE: 1"=5'-0"
(SEE NOTE 6)

NOTE:

1. SEE SHEET 1 FOR NOTES & SYMBOL LIST.

DOES NOT CONTAIN CLASSIFIED OR UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION

Reviewing Official/ADC
Kaiser Engineers Hanford Company
11-26-90
Date

CHARLES L. SUBLETT — STATE OF WASHINGTON — 34348 — REGISTERED PROFESSIONAL ENGINEER
12-12-90
Rev 1

NUMBER	TITLE	NUMBER	TITLE
			REFERENCES

DRAWING TRACEABILITY LIST — NEXT USED ON H-2-78500

MF	REV NO.	DESCRIPTION	REV BY	DATE	KEH APPROVALS	APVD FOR IMPLTNG FOR DATE
M	RS 1	d)B-714-53,ZD-E2,C3,D3 c)B-714-36,ZD7-E8,E4,A1 b)B-714-30,2C3 a)B-714-22,2E7,E5,D6,D4 THRU B-714-61 GENL REV; INCORP ALL ECN'S	TEC 6-19-90	CD 11-26-90 / JJ 12-3-90 / RN 12-6-90	JR 12/04/90	JR Bangp 12/13/90 WHC

REVISIONS

CAD FILE B078501B — CAD CODE 2J:SUN:ACD2:10.0:NN

DRAWN	JL BRINKLEY	DATE
CHECKED	G KUBINSKI	10-27-89
SAFETY	J ARCHIBALD	10-31-89
ENVIR	R HOLLENBECK	10-31-89
QE	L GADDIS / TD HAYES	11-1-89 / 11-1-89
LEAD ENG APVD	A SNOWHITE	10-27-89

APPROVED FOR IMPLEMENTATION BY SR BRIGGS FOR WHC DATE 10/31/89

IMPACT LEVEL 2 — EDT 151655

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

ELECTRICAL VAULT PLAN 218-E-16-105

PROJECT B-714 GROUT VAULT PAIR (218-E-16-104 & 105)

SIZE	BLDG NO.	INDCK NO.	DWG NO.	REV NO.
F	218-E -16	5901 7301 7501	H-2-78501	1

SCALE 1"= 5'-0" — JOB NO. ER8159 — SHEET 2 OF 2

KEHCAD

013460
2 of 2