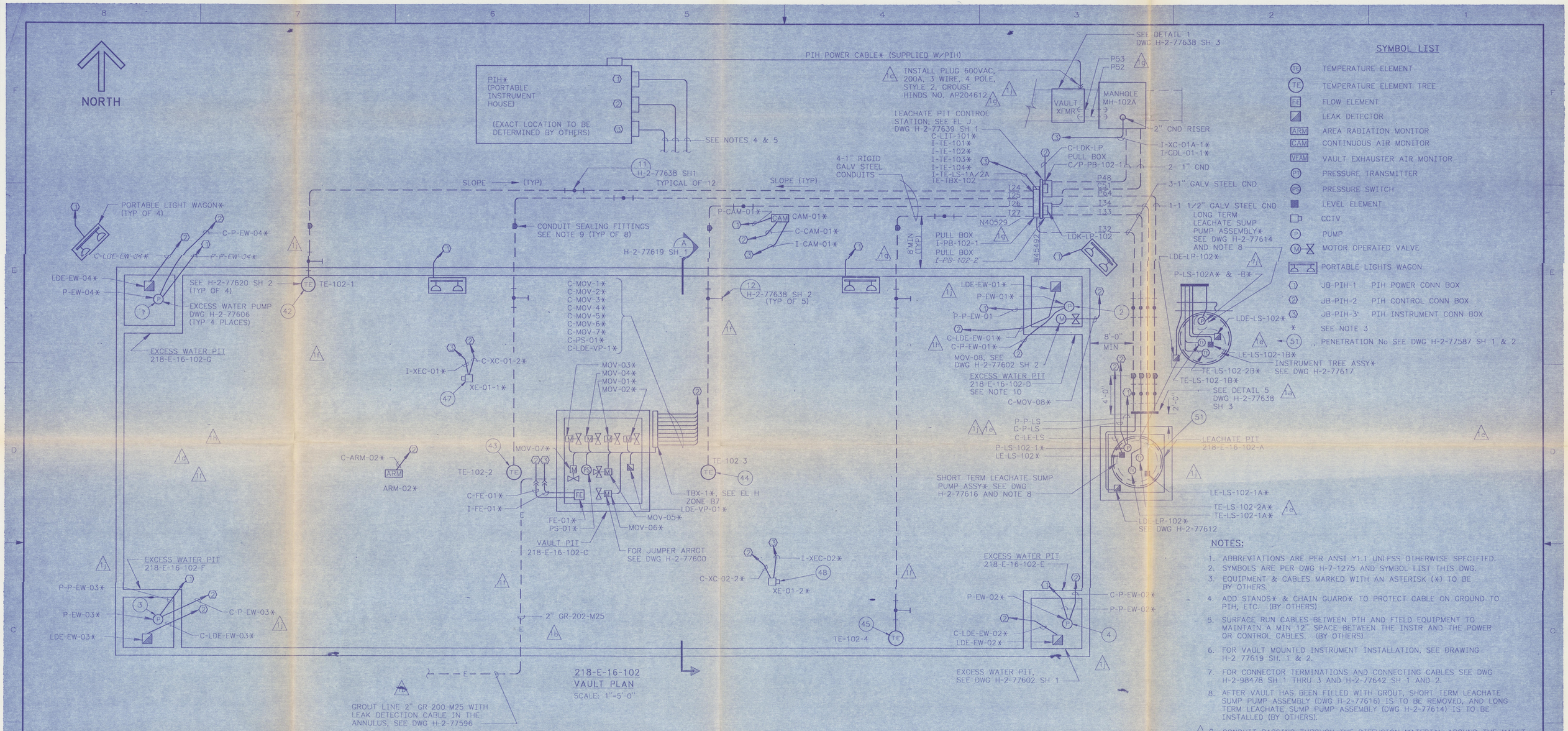
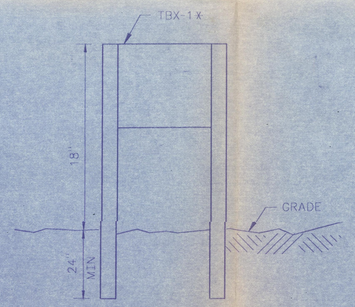


SYMBOL LIST

- TE — TEMPERATURE ELEMENT
- TE — TEMPERATURE ELEMENT TREE
- FE — FLOW ELEMENT
- LEAK DETECTOR
- 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
- * — SEE NOTE 3
- 51 — PENETRATION No SEE DWG H-2-77587 SH 1 & 2

NOTES:

1. ABBREVIATIONS ARE PER ANSI Y1.1 UNLESS OTHERWISE SPECIFIED.
2. SYMBOLS ARE PER DWG H-7-1275 AND SYMBOL LIST THIS DWG.
3. EQUIPMENT & CABLES MARKED WITH AN ASTERISK (*) TO BE BY OTHERS.
4. ADD STANDS* & CHAIN GUARD* TO PROTECT CABLE ON GROUND TO PIH, ETC. (BY OTHERS)
5. SURFACE RUN CABLES BETWEEN PIH AND FIELD EQUIPMENT TO MAINTAIN A MIN 12" SPACE BETWEEN THE INSTR AND THE POWER OR CONTROL CABLES. (BY OTHERS)
6. FOR VAULT MOUNTED INSTRUMENT INSTALLATION, SEE DRAWING H-2 77619 SH. 1 & 2.
7. FOR CONNECTOR TERMINATIONS AND CONNECTING CABLES SEE DWG H-2-98478 SH 1 THRU 3 AND H-2-77642 SH 1 AND 2.
8. AFTER VAULT HAS BEEN FILLED WITH GROUT, SHORT TERM LEACHATE SUMP PUMP ASSEMBLY (DWG H-2-77616) IS TO BE REMOVED, AND LONG TERM LEACHATE SUMP PUMP ASSEMBLY (DWG H-2-77614) IS TO BE INSTALLED (BY OTHERS).
9. CONDUIT PASSING THROUGH THE DIFFUSION MATERIAL AROUND THE VAULT & LEACHATE PIT TO HAVE SEALING FITTINGS INSTALLED. CONDUIT SEALING FITTINGS TO BE CROUSE HINDS TYPE EYS, SEALED WITH CHICO X FIBER AND CHICO A COMPOUND INSTALLED PER MANUFACTURERS RECOMMENDATIONS.
10. PUMP P-EW-01 OR MOV-8 MAY BE INSTALLED IN EXCESS WATER PITS 218-E-16-102D AND 218-E-16-103D BUT NOT BOTH IN THE SAME PIT AT THE SAME TIME.



ELEVATION H
SCALE: NONE

DOES NOT CONTAIN CLASSIFIED OR UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION

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

CHARLES L. SUBLETT — STATE OF WASHINGTON — 14518 — REGISTERED PROFESSIONAL ENGINEER

12-12-90
Rev 1

A JAN 1991 RECEIVED EDMC

NUMBER	TITLE
H-2-98478	SH 1-3, ELEC CONN SCHED
H-2-77573	DRAWING LIST

DRAWING TRACEABILITY LIST — REFERENCES — NEXT USED ON

REV	BY-DATE	BY-DATE	REV BY DATE	DESCRIPTION	REV
M	12/10/90	12/10/90		DB-714-53,ZD2-3,E2,E3,C5,C7,C8,E7	
				DC-714-36,ZD7-D8,E4	
				DD-714-30,ZE3,E4,E3,F4	
				DE-714-18,ZD7-8,C4,C6,E5,E7,B3	
				DF-714-17,ZZD,ZE-30,D1	
				DG-714-15,Z41, DB-714-16,ZD7-8	
				DH-714-10,ZD2; DB-714-14,ZC6	
				THRU B-714-61	
				GENL REV; INCORP ALL ECN'S	1

REVISIONS

MICROFILMED — BY-DATE — WHC APPROVAL — KEH APPROVAL — COMMENT REVIEW

EDT #102073 — IMPACT LEVEL 2

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

	BY	DATE
WHC APPROVAL		
DRAWN	SR BRIGGS	12-28-1988
PROJ ENGR	JD CLOUD	12-28-1988
QA	JE BREED	7-13-1988
APPROVED BY	RM ITEN	7-13-1988
SAFETY	D PARTHREE	7-11-1988
APPROVED BY	WCA C SUBLETT	7-14-1988
DESIGNED BY	RJ HARMAN	7-26-1988
DRAWN BY	JL BRINKLEY	3-23-1988
DESIGNED BY	WC ATKINS	3-22-1988

M — ELECTRICAL VAULT PLAN 218-E-16-102

PROJECT TITLE: GROUT VAULT PAIR 218-E-16-102 & 103

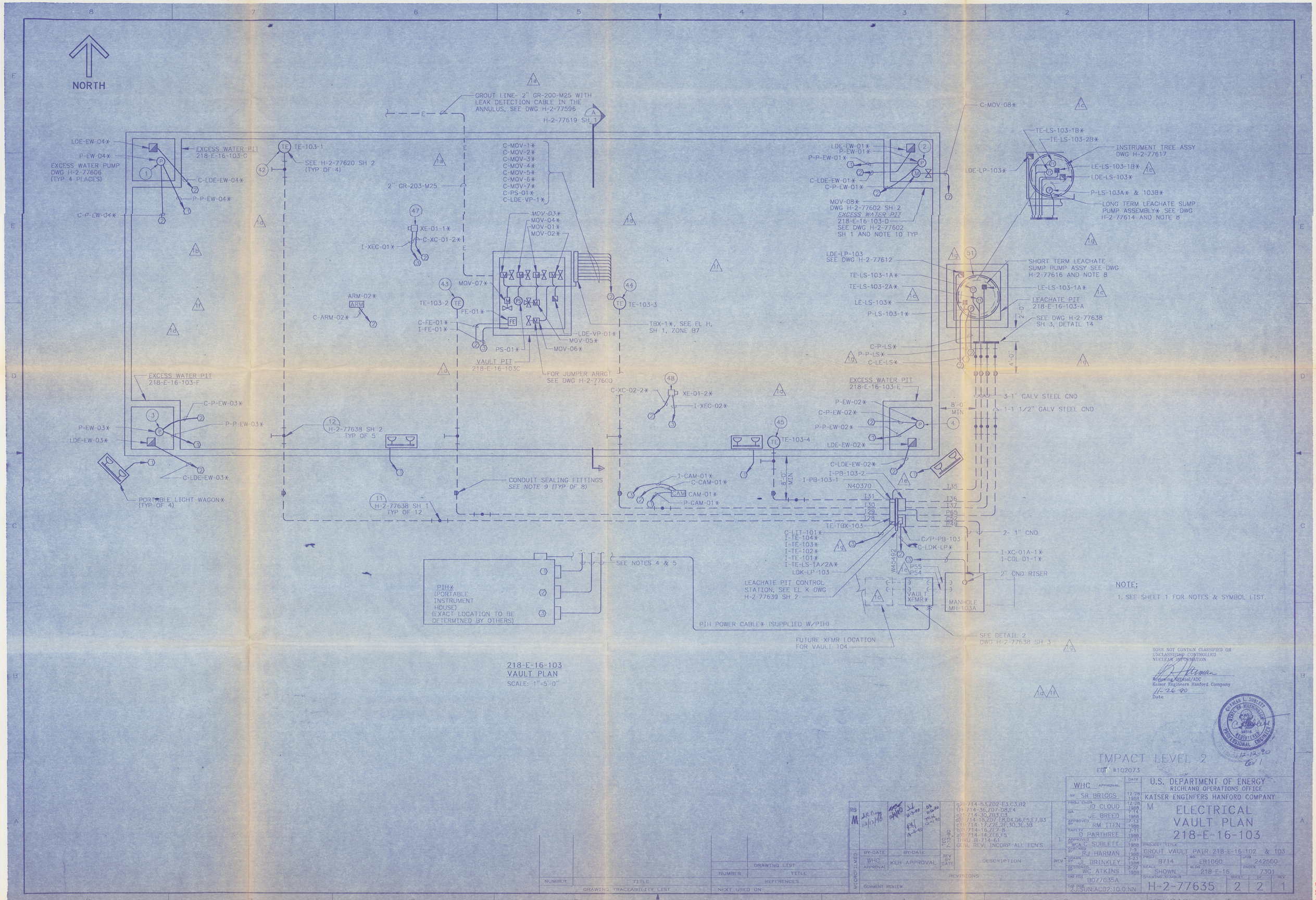
PROJ	WO	JOB
B714	EN1060	242900

SCALE	DWG	INDEX
SHOWN	218-E-16	7301

DRAWING NUMBER: H-2-77635 — SHEET 1 — OF 2 — REV 1

CADD FILE: B077635A
PLOT FILE: JCSUN:ACD2:10.0:NN
KEHCAD

0125 13 1 of 2



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

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

IMPACT LEVEL 2

EDT #102073

WHC APPROVAL	DATE	U.S. DEPARTMENT OF ENERGY RICHLAND OPERATIONS OFFICE
BY SR BRIGGS	12-28-1988	KAISER ENGINEERS HANFORD COMPANY
PROJ ENGR JD CLOUD	12-28-1988	M ELECTRICAL VAULT PLAN 218-E-16-103
QA JE BREED	7-14-1988	
APPROVED BY RM TTEN	7-13-1988	
SAFETY D PARTHREE	7-11-1988	
APPROVED BY WCA C SUBLETT	7-11-1988	
SPEC ADV BY RJ HARMAN	7-5-1988	PROJECT TITLE GROUT VAULT PAIR 218-E-16-102 & 103
DRAWN BY JL BRINKLEY	3-23-1988	PROJ B714 WO ER1060 JOB 242500
DESIGNED BY WC ATKINS	3-22-1988	SCALE SHOWN BLDG 218-E-16 INDEX 7301
CAD FILE B077635A		DRAWING NUMBER H-2-77635 SHEET 2 OF 2 REV 1
CAD DIR Z:JSUN:ACD2:10.0:NN		KEHCAD

REVISIONS					
RS	BY-DATE	BY-DATE	REV BY DATE	DESCRIPTION	REV
M	JR Brown 12/13/90	HANFORD	JL 11-5-90	QB:714-53,ZD2-E3,C3,B2	1
			RM 11-2-90	QB:714-36,ZD7-D8,E4	
				QB:714-30,ZB3,C3	
			DA 11-2-90	QB:714-18,ZD7-E8,D4,D6,E5,E7,B3	
			TCH 9-14-90	QB:714-11/22E,2F,3D,3E,3B	
				QB:714-16,ZE7-8	
				QB:714-14,ZD6,F5	
				THRU B-714-61	
				GENL REV; INCORP ALL ECN'S	

MICROFILMED	
WHC APPROVAL	KEH APPROVAL
COMMENT REVIEW	

DRAWING TRACEABILITY LIST		DRAWING LIST REFERENCES	
NUMBER	TITLE	NUMBER	TITLE
		NEXT USED ON	

012503
8 of 12