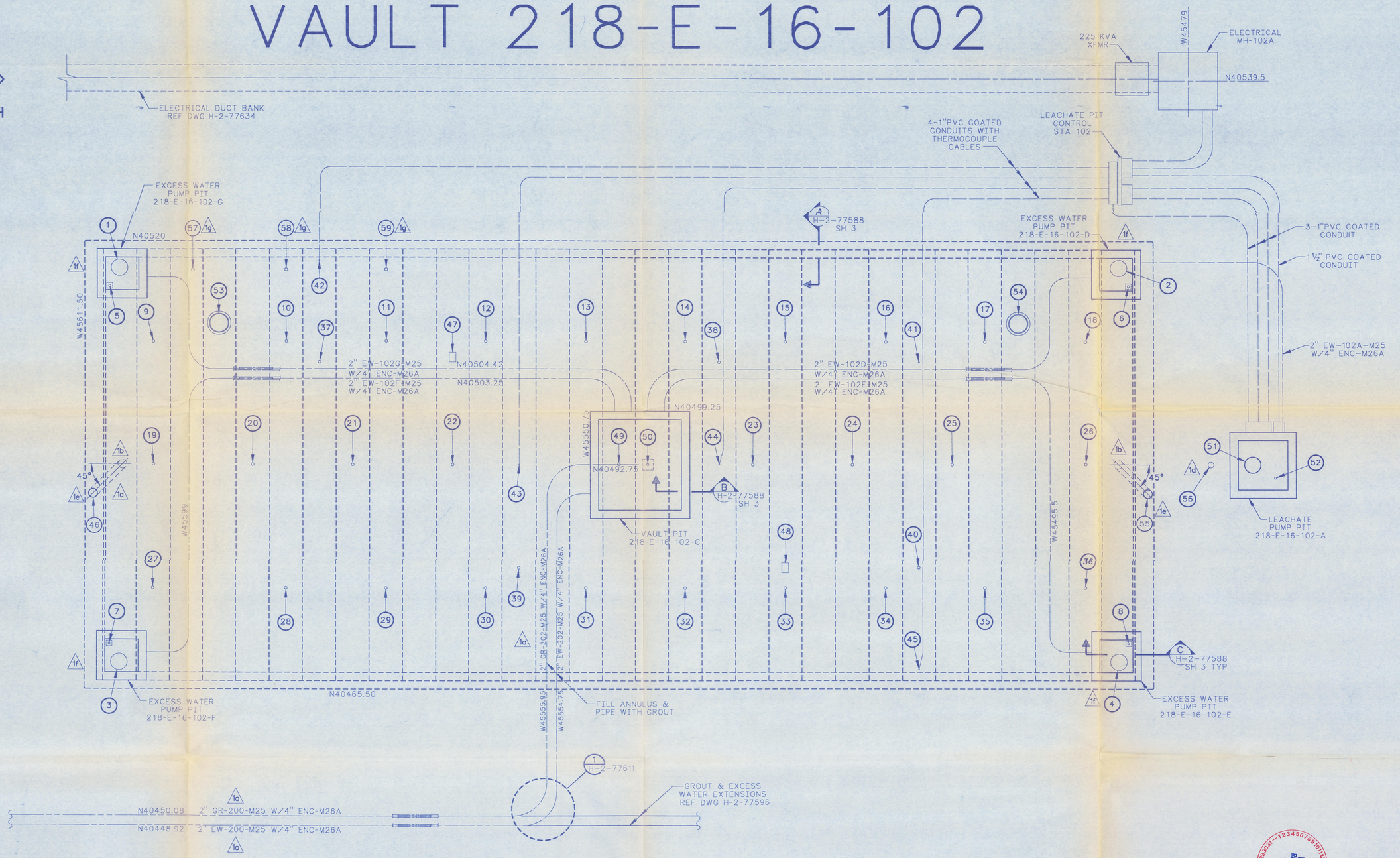
VAULT 218-E-16-102



VAULT ISOLATION PLAN

SCALE 1"=5'

MICHAEL S. RUBIN
STATE OF WASHINGTON
15622
REGISTERED
PROFESSIONAL ENGINEER
REV 1
2-11-91

MAR 1991
RECEIVED
EDMC

DOES NOT CONTAIN CLASSIFIED OR UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION

Reviewing Official/ADC
Kaiser Engineers Hanford Company
Date 2/4/91

IMPACT LEVEL 2 EDT # 101089

NUMBER	TITLE	NUMBER	TITLE
		H-2-77573	DRAWING LIST
DRAWING TRACEABILITY LIST		REFERENCES	
		NEXT USED ON H-2-77588 SH 2	

MICROFILMED	BY-DATE	BY-DATE	REV BY DATE	DESCRIPTION	REV
M	LR Briggs 2/13/91	GLK 2/14/91 TRH 2-8-91	DKL 2/8/91 SHS	TKE 1-15 91	g) B-714-70; Z E6-7 f) B-714-55; ZE7, C7, E3, C3 e) B-714-36; ZD3, D7 d) B-714-24; ZD2 c) B-714-16; ZD7-8 b) B-714-15; ZD3, D7 a) B-714-14; ZB7, C5 THRU B-714-71 GENL REV; INCORP ALL ECNs	RS 1
	WHC APPROVAL	KEH APPROVAL			

REVISIONS

COMMENT REVIEW

		DATE
WHC APPROVAL 1-20	BY SR BRIGGS 89	12-28 1988
PROJ ENGR 1-20-89	JD CLOUD	12-28 1988
QA HWH 1-9-89	H HENRIKSON	9-30 1988
APPROVED BY	WJM/HP RAY	9-30 1988
SAFETY	D PARTHREE	9-28 1988
APPROVED WJM 1-9-89 BY	WJM/D LIEN	9-28 1988
CHECKED BY	MJ MAGRUDER	9-15 1988
DRAWN BY	RC CROSKREY	1-5 1988
DESIGNED BY	RC CROSKREY	1-5 1988

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

M CIVIL
VAULT ISOLATION
VAULT 102 PLAN

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

PROJ	WO	JOB
B-714	ER9090	—

SCALE	BLDG	INDEX
SHOWN	218-E-16	0900

DRAWING NUMBER	SHEET	OF	REV
H-2-77588	1	5	1

KEHGAD STARTKEH6 2J:DEC:DDM5.0:NN H27758881 C 01/30/91

START

0013114 1 of 4

RISERS

RISER NO	SIZE	FUNCTION (REF ONLY)	REFERENCE DET	REFERENCE DWG NO	NORTH	WEST	CLOSURE ACTION	COMMENTS	COMP. DATE
1	24"SCHED 40	PUMP 102-G	1	H-2-77602 SH 1	N40516.42	W45607.33	REMOVE EXCESS WATER PUMP		
2	24"SCHED 40	PUMP 102-D	3	H-2-77602 SH 1	N40516.42	W45487.17	REMOVE EXCESS WATER PUMP		
3	24"SCHED 40	PUMP 102-F	2	H-2-77602 SH 1	N40469.08	W45607.33	REMOVE EXCESS WATER PUMP		
4	24"SCHED 40	PUMP 102-E	4	H-2-77602 SH 1	N40469.08	W45487.17	REMOVE EXCESS WATER PUMP		
5	3"SCHED 40	PIT DRAIN	1	H-2-77602 SH 1	N40514.51	W45608.35	REMOVE DRAIN SEAL & HANDLE		
6	3"SCHED 40	PIT DRAIN	3	H-2-77602 SH 1	N40514.51	W45486.15	REMOVE DRAIN SEAL & HANDLE		
7	3"SCHED 40	PIT DRAIN	2	H-2-77602 SH 1	N40470.99	W45608.35	REMOVE DRAIN SEAL & HANDLE		
8	3"SCHED 40	PIT DRAIN	4	H-2-77602 SH 1	N40470.99	W45486.15	REMOVE DRAIN SEAL & HANDLE		
9	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40507.75	W45603.25	DETAIL 1 DRAWING H-2-77588 SH 3		
10	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40507.75	W45587.25	DETAIL 1 DRAWING H-2-77588 SH 3		
11	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40507.75	W45575.25	DETAIL 1 DRAWING H-2-77588 SH 3		
12	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40507.75	W45563.25	DETAIL 1 DRAWING H-2-77588 SH 3		
13	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40507.75	W45551.25	DETAIL 1 DRAWING H-2-77588 SH 3		
14	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40507.75	W45539.25	DETAIL 1 DRAWING H-2-77588 SH 3		
15	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40507.75	W45527.25	DETAIL 1 DRAWING H-2-77588 SH 3		
16	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40507.75	W45515.25	DETAIL 1 DRAWING H-2-77588 SH 3		
17	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40507.75	W45503.25	DETAIL 1 DRAWING H-2-77588 SH 3		
18	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40507.75	W45491.25	DETAIL 1 DRAWING H-2-77588 SH 3		
19	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40492.75	W45603.25	DETAIL 1 DRAWING H-2-77588 SH 3		
20	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40492.75	W45591.25	DETAIL 1 DRAWING H-2-77588 SH 3		
21	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40492.75	W45579.25	DETAIL 1 DRAWING H-2-77588 SH 3		
22	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40492.75	W45567.25	DETAIL 1 DRAWING H-2-77588 SH 3		
23	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40492.75	W45531.25	DETAIL 1 DRAWING H-2-77588 SH 3		
24	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40492.75	W45519.25	DETAIL 1 DRAWING H-2-77588 SH 3		
25	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40492.75	W45507.25	DETAIL 1 DRAWING H-2-77588 SH 3		
26	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40492.75	W45491.25	DETAIL 1 DRAWING H-2-77588 SH 3		
27	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40477.75	W45603.25	DETAIL 1 DRAWING H-2-77588 SH 3		
28	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40477.75	W45587.25	DETAIL 1 DRAWING H-2-77588 SH 3		
29	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40477.75	W45575.25	DETAIL 1 DRAWING H-2-77588 SH 3		
30	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40477.75	W45563.25	DETAIL 1 DRAWING H-2-77588 SH 3		
31	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40477.75	W45551.25	DETAIL 1 DRAWING H-2-77588 SH 3		
32	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40477.75	W45539.25	DETAIL 1 DRAWING H-2-77588 SH 3		
33	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40477.75	W45527.25	DETAIL 1 DRAWING H-2-77588 SH 3		
34	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40477.75	W45515.25	DETAIL 1 DRAWING H-2-77588 SH 3		
35	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40477.75	W45503.25	DETAIL 1 DRAWING H-2-77588 SH 3		
36	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40477.75	W45491.25	DETAIL 1 DRAWING H-2-77588 SH 3		
37	4"SCHED 40	———		———	N40505.25	W45583.25	DETAIL 3 DRAWING H-2-77588 SH 3		
38	4"SCHED 40	———		———	N40505.25	W45535.25	DETAIL 3 DRAWING H-2-77588 SH 3		
39	4"SCHED 40	———		———	N40480.25	W45559.25	DETAIL 3 DRAWING H-2-77588 SH 3		
40	4"SCHED 40	———		———	N40480.25	W45511.25	DETAIL 3 DRAWING H-2-77588 SH 3		
41	2"SCHED 40	VAULT PRESS XMTR ASSY	1	H-2-77619	N40505.25	W45511.25	DETAIL 2 DRAWING H-2-77588 SH 3		
42	1½"SCHED 40	TE-T-102-1	3	H-2-77619	N40517.62	W45583.25	NO ACTION REQUIRED		
43	1½"SCHED 40	TE-T-102-2	3	H-2-77619	N40492.75	W45559.25	NO ACTION REQUIRED		
44	1½"SCHED 40	TE-T-102-3	3	H-2-77619	N40492.75	W45535.25	NO ACTION REQUIRED		
45	1½"SCHED 40	TE-T-102-4	3	H-2-77619	N40467.87	W45511.25	NO ACTION REQUIRED		
46	12"SCHED 40	EXHAUSTER	10	H-2-77581 SH 3	N40489.22	W45610.78	DETAIL 5 DRAWING H-2-77588 SH 3		
47	TS 14X10X5/16	CLOSED CIRCUIT CCTV XE-01	4	H-2-77619	N40505.83	W45567.25	DETAIL 4 DRAWING H-2-77588 SH 3		
48	TS 14X10X5/16	CLOSED CIRCUIT CCTV XE-02	4	H-2-77619	N40480.25	W45527.25	DETAIL 4 DRAWING H-2-77588 SH 3		
49	4"SCHED 40	GROUTED WASTE DISCHARGE	4	H-2-77601	N40492.75	W45547.25	FILL WITH GROUT		
50	3"SCHED 40	PIT DRAIN	A	H-2-77608	N40492.75	W45543.75	REMOVE DRAIN SEAL & HANDLE		
51	26"STD WT	PUMP 102-A	A	H-2-77605	N40492.75	W45471.25	REMOVE PUMP (H-2-77616) & REPLACE W/PUMP (H-2-77614)		
52	3"SCHED 40	LEACHATE PIT DRAIN	A	H-2-77608	N40491.17	W45468.50	NO ACTION REQUIRED		
53	28"SCHED 40	MANWAY ACCESS	C	H-2-77581 SH 2	N40510.00	W45595.25	NO ACTION REQUIRED		
54	28"SCHED 40	MANWAY ACCESS	C	H-2-77581 SH 2	N40510.00	W45499.25	NO ACTION REQUIRED		
55	12"SCHED 40	EXHAUSTER	10	H-2-77581 SH 3	N40489.22	W45483.72	DETAIL 5 DRAWING H-2-77588 SH 3		
56	8"SCHED 40	SAMPLER & VENT	A	H-2-77605	N40492.75	W45476.25	NO ACTION REQUIRED		
57	4"SCHED 40	GROUT CORE SAMPLER	5	H-2-77581 SH 2	N40516.50	W45598.50	DETAIL 1 H-2-77588 SH 3		
58	4"SCHED 40	GROUT CORE SAMPLER	5	H-2-77581 SH 2	N40516.50	W45587.25	DETAIL 1 H-2-77588 SH 3		
59	4"SCHED 40	GROUT CORE SAMPLER	5	H-2-77581 SH 2	N40516.50	W45575.25	DETAIL 1 H-2-77588 SH 3		

PITS

PIT NO	REF DWG NO	NORTH	WEST	CLOSURE ACTION	COMMENTS	COMP. DATE
218-E-16-102-C	H-2-77601	N40499.25	W45550.75	SECTION B DWG H-2-77588 SH 3		
218-E-16-102-D	H-2-77602	N40519.00	W45484.50	SECTION C DWG H-2-77588 SH 3		
218-E-16-102-E	H-2-77602	N40472.50	W45484.50	SECTION C DWG H-2-77588 SH 3		
218-E-16-102-F	H-2-77602	N40472.50	W45610.00	SECTION C DWG H-2-77588 SH 3		
218-E-16-102-G	H-2-77602	N40519.00	W45610.00	SECTION C DWG H-2-77588 SH 3		
218-E-16-102-A	H-2-77612	N40496.75	W45474.00	H-2-77592		

PIPING

PIPE NO	REF DWG NO	CLOSURE ACTION	COMMENTS	COMP. DATE
2"EW-102D	H-2-77596	FILL PIPE WITH GROUT		
4"EW-102D ENCASEMENT	H-2-77596	FILL ANNULUS WITH GROUT		
2"EW-102E	H-2-77596	FILL PIPE WITH GROUT		
4"EW-102E ENCASEMENT	H-2-77596	FILL ANNULUS WITH GROUT		
2"EW-102F	H-2-77596	FILL PIPE WITH GROUT		
4"EW-102F ENCASEMENT	H-2-77596	FILL ANNULUS WITH GROUT		
2"EW-102G	H-2-77596	FILL PIPE WITH GROUT		
4"EW-102G ENCASEMENT	H-2-77596	FILL ANNULUS WITH GROUT		
2"GR-202	H-2-77596	DET 1 H-2-77611 SH 1		
4"GR-102 ENCASEMENT	H-2-77596	DET 1 H-2-77611 SH 1		
2"EW-202	H-2-77596	DET 1 H-2-77611 SH 1		
4"EW-102 ENCASEMENT	H-2-77596	DET 1 H-2-77611 SH 1		

ELECTRICAL

ITEM	REF DWG NO	CLOSURE ACTION	COMMENTS	COMP. DATE
MH-102A	H-2-77638 SH 3 DET 1	REMOVE 225 KVA XFMR CAP CONDUITS P 52 & P 53 RAISE MH COVER H-2-77592		
LEACHATE CONTROL STATION 102	H-2-77639 SH 2	RAISE LEACHATE CONTROL STATION		
LEACHATE PIT & SUMP TERMINAL BOXES	H-2-77638 SH 3 DET 5	RAISE TERMINAL BOXES		
TERMINAL BOX TE-TBS-102A	H-2-77649, SH 2 ELEVATION A	EXTEND FRAMING CHANNEL RAISE TERM BOX TO 2'-6" ABOVE FINAL GRADE		

REV 1
2-11-91

DOES NOT CONTAIN CLASSIFIED OR UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION
Reviewing Official/ADC
Kaiser Engineers Hanford Company
2/4/91
Date

IMPACT LEVEL 2 EDT # 101089

NUMBER	TITLE
H-2-77573	DRAWING LIST

DRAWING TRACEABILITY LIST

REFERENCES — NEXT USED ON H-2-77588 SH 3

REV	DESCRIPTION	REV BY DATE
M	k) B-754-70; ZB5-8 j) B-754-55; ZB7 h) B-714-51; ZC1-4 g) B-714-36; ZC7, B6-8 f) B-714-24; ZB5-8 e) B-714-18; ZC7 d) B-714-16; ZF6-8, B7-8 c) B-714-15; ZB8 b) B-714-14; ZD4 a) B-714-10; ZC1-4, E3, F8 THRU B-714-71 GENL REV; INCORP ALL ECNs	TKE 1-15 91

RS 1

MICROFILMED — BY-DATE WHC APPROVAL; BY-DATE KEH APPROVAL

COMMENT REVIEW

WHC APPROVAL	DATE
BY SR BRIGGS 89	1-20 12-28 1988
PROJ ENGR JD CLOUD	1-20-89 12-28 1988
QA HWH H HENRIKSON	1-9-89 9-30 1988
APPROVED BY WJM/HP RAY	9-30 1988
SAFETY D PARTHREE	9-28 1988
APPROVED BY WJM/D LIEN	WJM 1-9-89 9-28 1988
CHECKED BY MJ MAGRUDER	9-15 1988
DRAWN BY RC CROSKREY	1-5 1988
DESIGNED BY RC CROSKREY	1-5 1988

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

M

CIVIL
VAULT ISOLATION
VAULT 102 PENETRATIONS

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

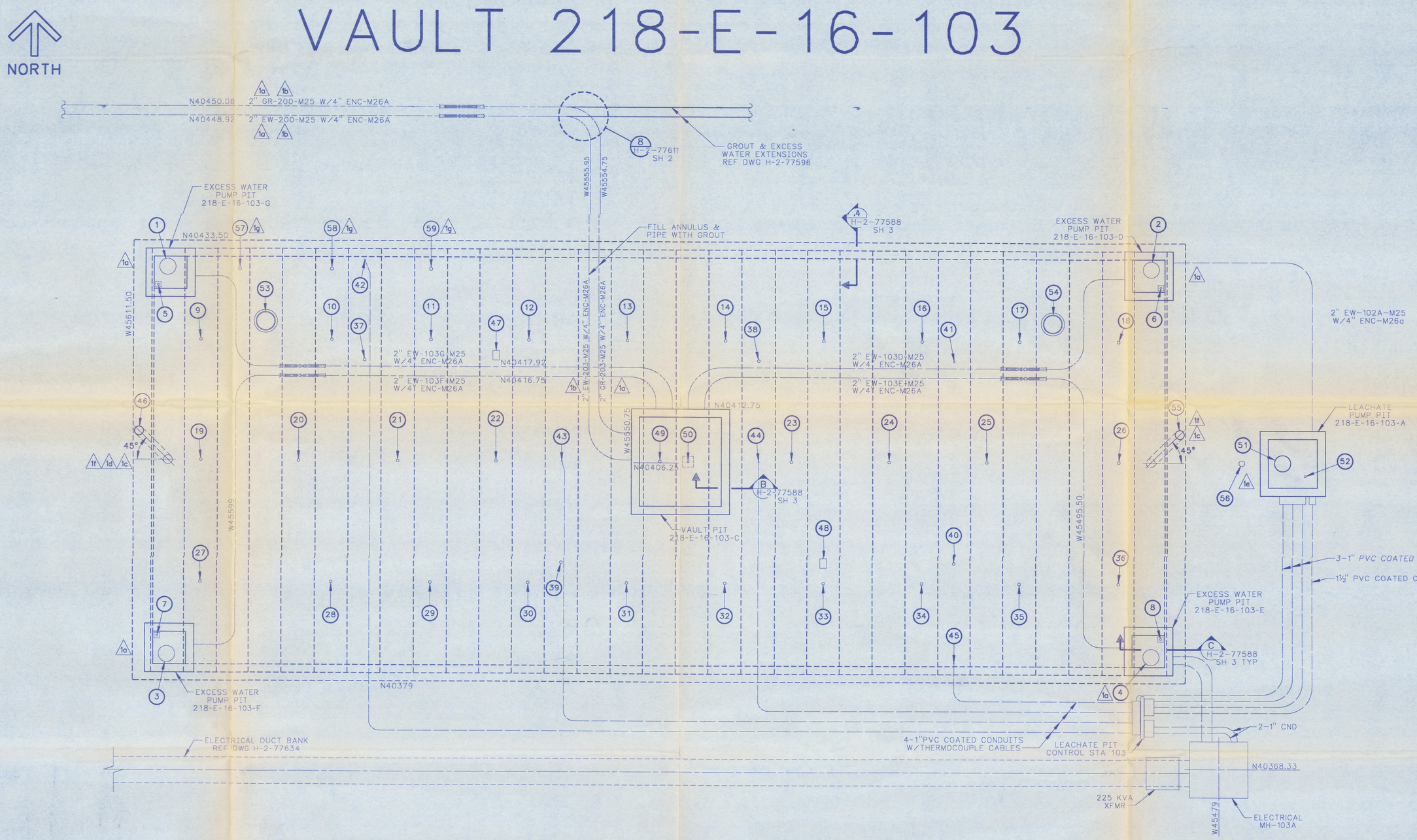
PROJ	WO	JOB
B-714	ER9090	——

SCALE	BLDG	INDEX
SHOWN	218-E-16	0901

DRAWING NUMBER	SHEET	OF	REV
H-2-77588	2	5	1

KEHGAD
STARTKEH6
2J:DEC:DDM5.0:NN
H27758882
C 01/30/91

VAULT 218-E-16-103



VAULT ISOLATION PLAN

SCALE 1"=5'

MICHAEL S. RUBEN
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
Rev 1
2-11-91

DOES NOT CONTAIN CLASSIFIED OR UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION

Reviewing Official/ADC
Kaiser Engineers Hanford Company
2/4/91
Date

IMPACT LEVEL 2 EDT # 101089

NUMBER	TITLE
	DRAWING TRACEABILITY LIST

NUMBER	TITLE
H-2-77573	DRAWING LIST

REFERENCES
NEXT USED ON H-2-77588, SH 5

MICROFILMED	BY-DATE	BY-DATE	REV BY DATE	DESCRIPTION	REV
M	LR Briggs 2/13/91	TDH 2-8-91	IKL RSH 2-11-91	SHS TKE 1-15 91	RS 1

g) B-714-70; Z E6-7
f) B-714-36; ZD3, D7
e) B-714-24; ZD2
d) B-714-16; ZD7-8
c) B-714-15; ZD3, D8
b) B-714-14; ZF7, D5
a) B-714-10; ZD5,F7,C3,C8,E3,E8
THRU B-714-71
GENL REV; INCORP ALL ECNs

REVISIONS
COMMENT REVIEW

		DATE
WHC APPROVAL	BY SR BRIGGS	12-28 1988
PROJ ENGR	1-20-89 JD CLOUD	12-28 1988
QA	HWH 1-9-89 H HENRIKSON	9-30 1988
APPROVED BY	WJM/HP RAY	9-30 1988
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APPROVED BY	WJM 1-9-89 WJM/D LIEN	9-28 1988
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DRAWN BY	RC CROSKREY	1-5 1988
DESIGNED BY	RC CROSKREY	1-5 1988

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

M CIVIL
VAULT ISOLATION
VAULT 103 PLAN

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

PROJ	WO	JOB
B-714	ER9090	—

SCALE	BLDG	INDEX
SHOWN	218-E-16	0900

DRAWING NUMBER	SHEET	OF	REV
H-2-77588	4	5	1

KEHCAD STARTKEH6 2J:DEC:DDM5.0:NN H277588B4 C 01/30/91

013114
3 of 4

RISERS

	RISER NO	SIZE	FUNCTION (REF ONLY)	REFERENCE DET	REFERENCE DWG NO	NORTH	WEST	CLOSURE ACTION	COMMENTS	COMP. DATE
1d 1a	1	24"SCHED 40	PUMP 103-G	1	H-2-77602 SH 1	N40429.92	W45607.33	REMOVE EXCESS WATER PUMP		
1a	2	24"SCHED 40	PUMP 103-D	3	H-2-77602 SH 1	N40429.92	W45487.17	REMOVE EXCESS WATER PUMP		
1a	3	24"SCHED 40	PUMP 103-F	2	H-2-77602 SH 1	N40382.58	W45607.33	REMOVE EXCESS WATER PUMP		
1a	4	24"SCHED 40	PUMP 103-E	4	H-2-77602 SH 1	N40382.58	W45487.17	REMOVE EXCESS WATER PUMP		
	5	3"SCHED 40	PIT DRAIN	1	H-2-77602 SH 1	N40428.01	W45608.35	REMOVE DRAIN SEAL & HANDLE		
1a	6	3"SCHED 40	PIT DRAIN	3	H-2-77602 SH 1	N40428.01	W45486.15	REMOVE DRAIN SEAL & HANDLE		
	7	3"SCHED 40	PIT DRAIN	2	H-2-77602 SH 1	N40384.49	W45608.35	REMOVE DRAIN SEAL & HANDLE		
1a	8	3"SCHED 40	PIT DRAIN	4	H-2-77602 SH 1	N40384.49	W45486.15	REMOVE DRAIN SEAL & HANDLE		
	9	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40421.25	W45603.25	DETAIL 1 DRAWING H-2-77588 SH 3		
	10	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40421.25	W45587.25	DETAIL 1 DRAWING H-2-77588 SH 3		
	11	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40421.25	W45575.25	DETAIL 1 DRAWING H-2-77588 SH 3		
	12	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40421.25	W45563.25	DETAIL 1 DRAWING H-2-77588 SH 3		
	13	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40421.25	W45551.25	DETAIL 1 DRAWING H-2-77588 SH 3		
	14	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40421.25	W45539.25	DETAIL 1 DRAWING H-2-77588 SH 3		
	15	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40421.25	W45527.25	DETAIL 1 DRAWING H-2-77588 SH 3		
	16	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40421.25	W45515.25	DETAIL 1 DRAWING H-2-77588 SH 3		
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	21	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40406.25	W45579.25	DETAIL 1 DRAWING H-2-77588 SH 3		
	22	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40406.25	W45567.25	DETAIL 1 DRAWING H-2-77588 SH 3		
	23	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40406.25	W45531.25	DETAIL 1 DRAWING H-2-77588 SH 3		
	24	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40406.25	W45519.25	DETAIL 1 DRAWING H-2-77588 SH 3		
	25	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40406.25	W45507.25	DETAIL 1 DRAWING H-2-77588 SH 3		
	26	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40406.25	W45491.25	DETAIL 1 DRAWING H-2-77588 SH 3		
	27	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40391.25	W45603.25	DETAIL 1 DRAWING H-2-77588 SH 3		
	28	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40391.25	W45587.25	DETAIL 1 DRAWING H-2-77588 SH 3		
	29	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40391.25	W45575.25	DETAIL 1 DRAWING H-2-77588 SH 3		
	30	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40391.25	W45563.25	DETAIL 1 DRAWING H-2-77588 SH 3		
	31	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40391.25	W45551.25	DETAIL 1 DRAWING H-2-77588 SH 3		
	32	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40391.25	W45539.25	DETAIL 1 DRAWING H-2-77588 SH 3		
	33	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40391.25	W45527.25	DETAIL 1 DRAWING H-2-77588 SH 3		
	34	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40391.25	W45515.25	DETAIL 1 DRAWING H-2-77588 SH 3		
	35	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40391.25	W45503.25	DETAIL 1 DRAWING H-2-77588 SH 3		
	36	4"SCHED 40	GROUT CAP INJECTION PORT	5	H-2-77581 SH 2	N40391.25	W45491.25	DETAIL 1 DRAWING H-2-77588 SH 3		
1e	37	4"SCHED 40	———		———	N40418.75	W45583.25	DETAIL 3 DRAWING H-2-77588 SH 3		
1e	38	4"SCHED 40	———		———	N40418.75	W45535.25	DETAIL 3 DRAWING H-2-77588 SH 3		
1e	39	4"SCHED 40	———		———	N40393.75	W45559.25	DETAIL 3 DRAWING H-2-77588 SH 3		
1e	40	4"SCHED 40	———		———	N40393.75	W45511.25	DETAIL 3 DRAWING H-2-77588 SH 3		
1g	41	2"SCHED 40	VAULT PRESS XMTR ASSY	1	H-2-77619	N40418.75	W45511.25	DETAIL 2 DRAWING H-2-77588 SH 3		
	42	1½"SCHED 40	TE-T-103-1	3	H-2-77619	N40406.25	W45583.25	NO ACTION REQUIRED		
	43	1½"SCHED 40	TE-T-103-2	3	H-2-77619	N40406.25	W45559.25	NO ACTION REQUIRED		
	44	1½"SCHED 40	TE-T-103-3	3	H-2-77619	N40406.25	W45535.25	NO ACTION REQUIRED		
	45	1½"SCHED 40	TE-T-103-4	3	H-2-77619	N40406.25	W45511.25	NO ACTION REQUIRED		
1g 1d 1c	46	12"SCHED 40	EXHAUSTER	10	H-2-77581 SH 3	N40409.78	W45610.78	DETAIL 5 DRAWING H-2-77588 SH 3		
	47	TS 14X10X5/16	CLOSED CIRCUIT CCTV XE-01	4	H-2-77619	N40419.33	W45567.25	DETAIL 4 DRAWING H-2-77588 SH 3		
	48	TS 14X10X5/16	CLOSED CIRCUIT CCTV XE-02	4	H-2-77619	N40393.75	W45527.25	DETAIL 4 DRAWING H-2-77588 SH 3		
	49	4"SCHED 40	GROUTED WASTE DISCHARGE	4	H-2-77601	N40406.25	W45547.25	FILL WITH GROUT		
	50	3"SCHED 40	PIT DRAIN	A	H-2-77608	N40406.25	W45543.75	REMOVE DRAIN SEAL & HANDLE		
1a	51	26"STD WT	PUMP 103-A	A	H-2-77605	N40406.25	W45471.25	REMOVE PUMP (H-2-77616) & REPLACE W/PUMP (H-2-77614)		
1a	52	3"SCHED 40	LEACHATE PIT DRAIN	A	H-2-77608	N40404.67	W45468.50	NO ACTION REQUIRED		
1a	53	28"SCHED 40	MANWAY ACCESS	C	H-2-77581 SH 2	N40423.50	W45595.25	NO ACTION REQUIRED		
1a	54	28"SCHED 40	MANWAY ACCESS	C	H-2-77581 SH 2	N40423.50	W45499.25	NO ACTION REQUIRED		
1g 1c	55	12"SCHED 40	EXHAUSTER	10	H-2-77581 SH 3	N40409.78	W45483.72	DETAIL 5 DRAWING H-2-77588, SH 3		
1f	56	8"SCHED 40	SAMPLER & VENT	A	H-2-77605	N40406.25	W45476.25	NO ACTION REQUIRED		
1j	57	4"SCHED 40	GROUT CORE SAMPLER	5	H-2-77581 SH 2	N40430.00	W45598.50	DETAIL 1 H-2-77588 SH 3		
1j	58	4"SCHED 40	GROUT CORE SAMPLER	5	H-2-77581 SH 2	N40430.00	W45587.25	DETAIL 1 H-2-77588 SH 3		
1j	59	4"SCHED 40	GROUT CORE SAMPLER	5	H-2-77581 SH 2	N40430.00	W45575.25	DETAIL 1 H-2-77588 SH 3		

PITS

	PIT NO	REF DWG NO	NORTH	WEST	CLOSURE ACTION	COMMENTS	COMP. DATE
	218-E-16-103-C	H-2-77601	N40412.75	W45550.75	SECTION B DWG H-2-77588 SH 3		
	218-E-16-103-D	H-2-77602	N40432.50	W45484.50	SECTION C DWG H-2-77588 SH 3		
	218-E-16-103-E	H-2-77602	N40386.00	W45484.50	SECTION C DWG H-2-77588 SH 3		
	218-E-16-103-F	H-2-77602	N40386.00	W45610.00	SECTION C DWG H-2-77588 SH 3		
	218-E-16-103-G	H-2-77602	N40432.50	W45610.00	SECTION C DWG H-2-77588 SH 3		
1a	218-E-16-103-A	H-2-77612	N40410.25	W45474.00	H-2-77592		

PIPING

	PIPE NO	REF DWG NO	CLOSURE ACTION	COMMENTS	COMP. DATE
	2"EW-103D	H-2-77596	FILL PIPE WITH GROUT		
	4"EW-103D ENCASEMENT	H-2-77596	FILL ANNULUS WITH GROUT		
	2"EW-103E	H-2-77596	FILL PIPE WITH GROUT		
	4"EW-103E ENCASEMENT	H-2-77596	FILL ANNULUS WITH GROUT		
	2"EW-103F	H-2-77596	FILL PIPE WITH GROUT		
	4"EW-103F ENCASEMENT	H-2-77596	FILL ANNULUS WITH GROUT		
	2"EW-103G	H-2-77596	FILL PIPE WITH GROUT		
	4"EW-103G ENCASEMENT	H-2-77596	FILL ANNULUS WITH GROUT		
1b 1a	2"GR-203	H-2-77596	DET 8 H-2-77611 SH 2		
	4"GR-103 ENCASEMENT	H-2-77596	DET 8 H-2-77611 SH 2		
1a	2"EW-203	H-2-77596	DET 8 H-2-77611 SH 2		
	4"EW-103 ENCASEMENT	H-2-77596	DET 8 H-2-77611 SH 2		

ELECTRICAL

	ITEM	REF DWG NO	CLOSURE ACTION	COMMENTS	COMP. DATE
	MH-103A	H-2-77638 SH 3 DET 1	REMOVE 225 KVA XFMR CAP CONDUITS P 52 & P 53 RAISE MH COVER H-2-77592		
	LEACHATE CONTROL STATION 103	H-2-77639 SH 2	RAISE LEACHATE CONTROL STATION		
1a	LEACHATE PIT & SUMP TERMINAL BOXES	H-2-77638 SH 3 DET 14	RAISE TERMINAL BOXES		
1n	TERMINAL BOX TE-TBX-103A	H-2-77650 SH 2 ELEVATION A	EXTEND FRAMING CHANNEL, RAISE TERM BOX TO 2'-6" ABOVE FINAL GRADE		

MICHAEL S. RIDER STATE OF WASHINGTON 16000 PROFESSIONAL ENGINEER
2-11-91 REV 1

DOES NOT CONTAIN CLASSIFIED OR UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION
Reviewing Official/ADC Kaiser Engineers Hanford Company
2/4/91
Date

IMPACT LEVEL 2 EDT # 101089

M	DWG 2/15/91	GLF 2/11/91	DKL RJM 2-11-91	SHS	TKE 1-15-91	RS 1

j) B-714-70; ZA5-8
h) B-714-51; ZC1-4
g) B-714-36; ZC7, B6-8, A6-8
f) B-714-24; ZA5-8
e) B-714-18; ZC7
d) B-714-16; ZF6-8, B7-8
c) B-714-15; ZA8, B8
b) B-714-14; ZD4
a) B-714-10; ZC1-4,D4,E3,F8,B7,F7
THRU B-714-71
GEN. REV; INCORP ALL ECNs

MICROFILMED	BY-DATE	BY-DATE	REV BY DATE	DESCRIPTION	REV
	WHC APPROVAL	KEH APPROVAL		REVISIONS	
COMMENT REVIEW					

		DATE
WHC APPROVAL BY SR BRIGGS 89	1-20	12-28 1988
PROJ ENGR JD CLOUD	1-20-89	12-28 1988
QA H HENRIKSON	1-9-89	9-30 1988
APPROVED BY WJM/HP RAY		9-30 1988
SAFETY D PARTHREE		9-28 1988
APPROVED BY WJM/D LIEN	1-9-89	9-28 1988
CHECKED BY W.J MAGRUDER		9-15 1988
DRAWN BY RC CROSKREY		1-5 1988
DESIGNED BY RC CROSKREY		1-5 1988

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

M

CIVIL
VAULT ISOLATION
VAULT 103 PENETRATIONS

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

PROJ	WO	JOB
B-714	ER9090	—
SCALE	BLDG	INDEX
SHOWN	218-E-16	0901

DRAWING NUMBER	SHEET	OF	REV
H-2-77588	5	5	1

NUMBER	TITLE
H-2-77573	DRAWING LIST

DRAWING TRACEABILITY LIST

NUMBER	TITLE
	REFERENCES

NEXT USED ON H-2-77588, SH 3

KEHGAD STARTKEH6 2J;DEC;DDM5.0;NN H27588B5 C 01/30/91

013114