Preliminary Design Report

**Solid
Waste
Operations
Complex W-113**

Preliminary Design Drawings

DISCLAIMER

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Prepared for

**Westinghouse
Hanford Company**

Prepared by

Raytheon
Engineers & Constructors

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MASTER

January 1995

DISCLAIMER

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			REFERENCE
DRAWING TRACEABILITY LIST		NEXT USED ON : NONE	

ST

ONS TRENCH OPERATION

ERATION

FIRST POSITION

SECOND POSITION

THIRD POSITION

CLOSURE

CLOSURE

DETAILS

CTION

ATION PLAN TRENCH ENCLOSURE

D EQUIPMENT SCHEDULES

Y DIAGRAM

VICINITY MAP

SCALE: 1" = 3 MILES

Raytheon
Engineers & ConstructorsU.S. DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
WESTINGHOUSE HANFORD COMPANYSWOC W113
DRAWING INDEX

	BY	DATE
DESIGNED	E. WILSON	10-31-04
DRAWN	E. WILSON	10-31-04
CHECKED	CHALLENGER	11-04-04
LEAD ENGR	B. BOHLN	
ENGR. MGR	R. BISH	
PROJ. MGR	K. MERSON	
OTHER	G.A.	G. FAUST

APPROVED FOR DETAILED DESIGN
BY
DATE

SIZE	SHEET NO.	INDEX NO.	DRAWING NUMBER	REV
D	N/A	0000	H-2-823242	00
SCALE: NONE	PROJECT NO. 9164.001	SHEET 1 OF 1		

NO	REVISION FOR DETAIL DESIGN	BY	DATE	APPROVAL
00	REVISION FOR DETAIL DESIGN	E. WILSON	10-31-04	
01	REVISION FOR DETAIL DESIGN	A. CHALLENGER	11-04-04	
02	REVISION FOR DETAIL DESIGN	B. BOHLN	11-04-04	
03	REVISION FOR DETAIL DESIGN	R. BISH	11-04-04	
04	REVISION FOR DETAIL DESIGN	K. MERSON	11-04-04	

CADFILE: 8823242A

CADCODE: DOS: 6.2: ACD2: 12: NN

COMPUTER GENERATED: NO MANUAL CHANGES ALLOWED

CDR NO: A004\mva\114087\001\10230454200
Full Name: B-000-02

- NOTES:
1. SEE DRAWING H-2-823273 FOR FOUNDATION LOCATIONS.
 2. LABELS ① THROUGH ⑫ INDICATE WASTE MODULES.

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Engineers & Constructors

U.S. DEPARTMENT OF ENERGY NORLAND OPERATIONS OFFICE WESTINGHOUSE HANFORD COMPANY			SWOC W113 LAYOUT AND GRADING PLAN		
DESIGNED	A. PORT	10-05-84	SIZE	BLDG NO.	INDEX NO.
DRAWN	A. PORT	10-13-84	D	218	0111
CHECKED	T. TRIMBLE	11-01-84	W478		
LEAD ENGR	T. TRIMBLE				
ENCL. MGR	R. BOW				
PROJ. MGR	K. NIXON				
OTHER	G. PLIST				
APPROVED FOR DETAILED DESIGN					
BY					
DATE					
CADFILE: B823243A	CADCODE: DOS:6.2:ACD2:12:NN		SCALE: AS SHOWN	PROJECT NO. 9184.801	SHEET 1 OF 1

BUILDING SECTION B

$$1/4 = 1 - 3$$

BUILDING SECTION A

$$1/4 = 1' - 0''$$
[illegible]

4 3 2 1

FLOOR PLAN
1/4" = 1'-0"

LEGEND

- ⊕ SINGLE RECEPTACLE, 120 VAC, 20A DEDICATED SERVICE
- ⊙ SINGLE RECEPTACLE, 480 VAC, 3φ, 30A DEDICATED SERVICE
- C BATTERY CHARGING EQUIPMENT
- PT POWER TRANSFORMER
- LP LIGHTING PANEL

KEYPLAN

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U.S. DEPARTMENT OF ENERGY RICHLAND OPERATIONS OFFICE WESTINGHOUSE HANFORD COMPANY			
SWOC W113 FLOOR PLAN AND BUILDING SECTIONS TRENCH OPERATION			
DESIGNED D. SCHULM 09-20-84	BY D. SCHULM	DATE 09-20-84	SIZE D
DRAWN CHLINDER 08-21-84	BY CHLINDER	DATE 08-21-84	BUILD NO. 218
CHECKED WV BUCKLE 10-28-84	BY WV BUCKLE	DATE 10-28-84	INDEX NO. 0800
LEAD ENGR D. SCHULM	BY D. SCHULM	DATE 10-28-84	DRAWING NUMBER H-2-823254
ENGL MGR R. BISH	BY R. BISH	DATE 10-28-84	REV 00
PROJ MGR K. MERRON	BY K. MERRON	DATE 10-28-84	PROJECT NO. 0194.001
APPROVED FOR DETAILED DESIGN BY DATE			
SCALE: 1/4" = 1'-0"			
SHEET 1 OF 1			

00	RELEASE FOR DETAIL DESIGN	REV BY/DATE	CHK BY/DATE	APPROVALS/DATE
01	RELEASE FOR DETAIL DESIGN	01-22-85	01-27-85	A. SCHULM S. BISH R. BISH K. MERRON
REVISIONS				
CADFILE: 8523254A				
CADCODE: DOS: 6.2; ACD2: 12; NN

WEST ELEVATION

$$1/4 = 1' - 0'$$

NORTH ELEVATION

1/4" = 1' - 0"

			REFERENCE
DRAWING TRACEABILITY LIST		NEXT USED ON : NONE

		BY	DATE	U.S. DEPARTMENT OF ENERGY RICHLAND OPERATIONS OFFICE WESTINGHOUSE HANFORD COMPANY				
DESIGNED	D. SCHULM	08-30-04	SWOC W113 BUILDING ELEVATIONS TRENCH OPERATION					
DRAWN	C. LINDERER	10-25-04						
CHECKED	W. W. WILCOX	10-28-04						
LEAD ENGR	D. SCHULM							
ENCL. WORK	R. BISH							
PROJ. WORK	K. MERSON							
	C. A.	C. FRUST						
OTHER								
APPROVED FOR DETAILED DESIGN				SIZE	BUILDING NO.	INDEX NO.	DRAWING NUMBER	REV.
DATE				D	218 W478	0800	H-2-823255	00
SCALE: 1/8"=1'-0"				PROJECT NO.		SHEET 1 OF 1		

4

3

2

1

BAYS @ 15'-0" = 225'-0"

V AFTER
MS
5- TOP OF
BANK

KEYPLAN

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 Engineers & Constructors

 U.S. DEPARTMENT OF ENERGY
 RICHLAND OPERATIONS OFFICE
 WESTINGHOUSE HANFORD COMPANY

 SWOC W113
 FLOOR PLAN
 TRENCH ENCLOSURE
 FIRST POSITION

	BY	DATE
DESIGNED	D. BOWEN	08-29-84
DRAWN	CHALLENGER	08-30-84
CHECKED	WM WHOLE	10-28-84
LEAD ENGR	D. BOWEN	
ENGR. MGR	R. BISH	
PROJ. MGR	K. MERTON	
OTHER		
APPROVED FOR DETAILED DESIGN		
BY	DATE	

SIZE	BLDG NO.	INDEX NO.	DRAWING NUMBER	REV
D	218 W478	0800	H-2-823257	00
SCALE: 3/8"=1'-0"		PROJECT NO.	9964801	SHEET 1 OF 3

CO	RELEASE FOR DETAIL DESIGN	A. CHALLENGER, WM WHOLE 07-23-85 07-27-85 REV BY/DATE CHK BY/DATE	APPROVAL/DATE
REV NO	DESCRIPTION		
CADFILE: 8823257A		CADCODE: DOS: 6.2; ACD2: 12; NH	

COMPUTER GENERATED: NO MANUAL CHANGES ALLOWED

FILED Jan 27 14 26:20 1993 Plotted by MEM001 in C3-SM

01/24/98 11:51 PT SQU 1 = 128
CWL 5164.001
COLOR 123456789010101010
PT 10256 18311513468321
CUD NO: A/CDA/WWA/0164001/ACDA/REC0307870285
PT 10256 18311513468321

FORM 9110000

			REFERENCE
DRAWING TRACEABILITY LIST		NEXT USED ON : NONE

KEYPLAN

NOTE:
THE ENCLOSURE HAS
BEEN MOVED 112' TO THE
EAST FROM THE FIRST
POSITION

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U.S. DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
WESTINGHOUSE HANFORD COMPANY

SWOC W113
FLOOR PLAN
TRENCH ENCLOSURE
SECOND POSITION

BY	DATE
DESIGNED D. BOWLIN	08-23-84
DRAWN CALLENDER	10-10-84
CHECKED W.W. WINKLE	10-28-84
LEAD ENGR D. BOWLIN	
ENCL. MGR R. BISH	
PROJ. MGR K. MEXSON	
OTHER G.A. G. FRUST	
APPROVED FOR DETAILED DESIGN	
BY	DATE

SIZE	BLDG NO.	INDEX NO.	DRAWING NUMBER	REV
D	218 W478	0800	H-2-823257	00
SCALE: 3/32"=1'-0"	PROJECT NO. 9184301	SHEET 2 OF 3		

DO	RELEASE FOR DETAIL DESIGN	REV	DESCRIPTION	REVISIONS
1	RELEASE FOR DETAIL DESIGN	1		
CADFILE: 88232578	CADCODE: DOS: 6.2: ACD2: 12: NN

01/24/98	11:53	PU SOL: 1 = 128	COLOR	1 2 3 4 5 6 7 8 9 10 11 12 13 14	CAD NO: P1604\W804\1604001\ARCH\REC232\FOLDING
→ CAL	9164.001		PU BDR	1 6 3 1 1 5 1 3 4 6 8 3 2 1	PU INAME: PU_PLOT

Page 171,2000

			REFERENCE
	DRAWING TRACEABILITY LIST		NEXT USED ON : NONE

1/8" = 1'-0" = 285'-0"

KEYPLAN

NOTE:
THE ENCLOSURE HAS
BEEN MOVED 128' TO THE
EAST FROM THE SECOND
POSITION

Raytheon
Engineers & Constructors

U.S. DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
WESTINGHOUSE HANFORD COMPANY

SWOC W113
FLOOR PLAN
TRENCH ENCLOSURE
THIRD POSITION

BY	DATE
DESIGNED D. BOWEN	08-23-84
DRAWN COLLIER	10-10-84
CHECKED VAW BOWLE	10-26-84
LEAD ENGR D. BOWEN	
ENGR. MGR R. BASU	
PROJ. MGR K. MCKEN	
G.A. G. FRIST	
OTHER	

BY	DATE
APPROVED FOR DETAILED DESIGN	
FOR	

SIZE	BLDG NO.	INDEX NO.	BRANDING NUMBER	REV
D	218 W478	0800	H-2-823257	00
SCALE: 3/32"=1'-0"	PROJECT NO. 0164.001	SHEET 3 OF 3		

REV	NO	DESCRIPTION	REV BY/DATE	CHK BY/DATE	APPROVALS/DATE
00		RELEASE FOR DETAIL DESIGN	A. COLLIER 01-25-85	D. BOWEN 01-27-85	R. BASU 01-27-85
REVISIONS					
CADFILE: B823257C CADCODE: DOS: 6.2: ACD2: 12: NN					

COMPUTER GENERATED: NO MANUAL CHANGES ALLOWED

			REFERENCE
	DRAWING TRACEABILITY LIST		NEXT USED ON : NONE

Fr1 Jan 27 02:12:29 1993 Printed by FE0001 in C3-04

WUOLAH 100091674871600713

10/28/74 1534
JMC 9184.001
RT SCALE 1 = 126
COLOR
PDR INDEX 1234567890123456
CJ4 NO: P10CA WMAA 910400T/AMCA 9823250A/UNB
PDR INDEX 1234567890123456

10/28/04 12:34 PJ SALE 1 - 128
11/2 9181.00

FOUO INFORMATION

EAST ELEVATION
AT THE FIRST POSITION

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DESIGNED	BY	DATE
DRAWN	CHALLENGER	10-03-94
CHECKED	VIN VINCE	10-20-94
LEAD ENGR	B. BOWEN	
ENGR. MGR	R. BISH	
PROJ. MGR	R. INCHON	
OTHER	G. FINEST	
QA	G. FINEST	
APPROVED FOR DETAILED DESIGN	BY	DATE

U.S. DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
WESTINGHOUSE HANFORD COMPANY

SWOC W113
BUILDING ELEVATIONS
TRENCH ENCLOSURE

REV	NO	DESCRIPTION	REV BY/DATE	CHK BY/DATE	APPROVALS/DATE
00	RELEASE FOR DETAIL DESIGN				
01	CHALLENGER	VIN VINCE	01-24-95	01-27-95	
02	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
03	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
04	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
05	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
06	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
07	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
08	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
09	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
10	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
11	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
12	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
13	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
14	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
15	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
16	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
17	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
18	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
19	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
20	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
21	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
22	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
23	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
24	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
25	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
26	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
27	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
28	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
29	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
30	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
31	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
32	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
33	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
34	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
35	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
36	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
37	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
38	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
39	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
40	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
41	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
42	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
43	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
44	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
45	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
46	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
47	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
48	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
49	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
50	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
51	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
52	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
53	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
54	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
55	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
56	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
57	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
58	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
59	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
60	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
61	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
62	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
63	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
64	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
65	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
66	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
67	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
68	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
69	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
70	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
71	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
72	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
73	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
74	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
75	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
76	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
77	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
78	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
79	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
80	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
81	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
82	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
83	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
84	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
85	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
86	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
87	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
88	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
89	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
90	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
91	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
92	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
93	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
94	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
95	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
96	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
97	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
98	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
99	CHALLENGER	VIN VINCE	01-27-95	01-27-95	
100	CHALLENGER	VIN VINCE	01-27-95	01-27-95	

SIZE	BUILD NO.	INDEX NO.	DRAWING NUMBER	REV
D	218 W478	0800	H-2-823258	00
SCALE	3/32"=1'-0"	PROJECT NO.	0164.001	SHEET 1 OF 1

FROM WYOMING

			REFERENCE
	DRAWING TRACEABILITY LIST		NEXT USED ON : NONE

AT TRENCH
1

B SECTION AT EAST END OF TRENCH
H-2-823257 SHT. 3

Baytheon
Engineers & Constructors

	BY	DATE
DESIGNED	D. BOWEN	08-28-04
DRAWN	COLLENDER	08-23-04
CHECKED	WYN WINKLE	10-28-04
LEAD ENGR.	D. BOWEN	
ENCL. MGR.	R. BUCK	
PROJ. MGR.	R. MEXSON	

U.S. DEPARTMENT OF ENERGY RICHLAND OPERATIONS OFFICE WESTINGHOUSE MANFORD COMPANY SWOC W113 BUILDING SECTIONS TRENCH ENCLOSURE				
SIZE	BLDG NO.	INDEX NO.	DRAWING NUMBER	REV
D	218 W478	0801	H-2-823259	00
SCALE: 3/32"=1'-0" PROJECT NO. 0104.001 SHEET 1 OF 1				

DD	RELEASE FOR DETAIL DESIGN	D. BOWEN	R. WYN WINKLE	R. BOWEN	R. BUCK
REV NO.	DESCRIPTION	REV BY/DATE	CHK BY/DATE	APPROVAL/DATE	
1					
CADFILE: B823259A		CADCODE: DOS: 6.2; ACD2: 12; NN

SCALE: 1/8"=1'-0"

			REFERENCE
DRAWING TRACEABILITY LIST		NEXT USED ON : NONE

SECTION B-B
SCALE: 1/2"=1'-0"

SECTION C-C (AS SHOWN)
SECTION D-D (OPP. HAND)
SCALE: 1/4"=1'-0"

Raytheon
Engineers & Constructors

DESIGNED: S. SHW 11-18-84 DRAWN: S. TILLOT 10-19-84 CHECKED: T. TRIMBLE 11-18-84 LEAD ENGR: T. TRIMBLE ENGR. MOR: R. BISH PROJ. MOR: K. MERSON			U.S. DEPARTMENT OF ENERGY RICHLAND OPERATIONS OFFICE WESTINGHOUSE HANFORD COMPANY SWOC W113 FOUNDATION PLAN SECTIONS AND DETAILS		
Q.A.: G. FAUST OTHER:	APPROVED FOR DETAILED DESIGN BY: _____ DATE: _____	SIZE: D BLDG NO.: 218 W478 & W4702	INDEX NO.: 0900	DRAWING NUMBER: H-2-823271	REV: 00
SCALE: NOTED			PROJECT NO.: 8984.001 SHEET 1 OF 1		

DD: RELEASE FOR DETAIL DESIGN REV NO: _____ DESCRIPTION: _____	REVISIONS CADFILE: B523271A	TST TST TST S. SHW 11-18-84 T. TRIMBLE 11-18-84 T. TRIMBLE 1/27/95 REV BY/DATE CHK BY/DATE APPROVALS/DATE	CADCODE: DOS: 6.2; ACD2: 12: NN
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DRAWING TRACEABILITY LIST		NEXT USED ON : NONE
REFERENCE		

SECTION A-A
SCALE: 3/8"=1'-0"

FDN TYPE I
SCALE: 3/8"=1'-0"

FDN TYPE II

PLAN - ENCLOSURE FOU

CTIONS

FDN TYPE III
SCALE: 3/8"=1'-0"

SECTION B-B
SCALE: 3/16"=1'-0"

ANCHOR BOLT
AS REQUIRED BY
BLDG MANUFACTURER

FDN TYPE IV
SCALE: 3/16"=1'-0"

DETAIL 1
SCALE: 1 1/2"=1'-0"

NOTES:

1. ALL FOUNDATIONS TO BE INSTALLED DURING THE INITIAL CONSTRUCTION PERIOD EXCEPT 2 ENDWALL FOUNDATIONS AS INDICATED.
2. FOUNDATION TO BE REMOVED AFTER ENCLOSURE HAS BEEN MOVED FROM POSITION 1 TO POSITION 2.
3. FOUNDATION TO BE REMOVED AFTER ENCLOSURE HAS BEEN MOVED FROM POSITION 2 TO POSITION 3.

Raytheon
Engineers & Constructors

U.S. DEPARTMENT OF ENERGY
NICHOLAND OPERATIONS OFFICE
WESTINGHOUSE HANFORD COMPANY

SWOC W113
ENCLOSURE FOUNDATION
PLAN/SECTION

BY	DATE	SIZE	BLDG NO.	INDEX NO.	DRAWING NUMBER	REV
DESIGNED S. SHW	11-18-84	D	218	0900	H-2-823273	00
DRAWN S. SHW	10-19-84		W478			
CHECKED T. TRIMBLE	11-18-84					
LEAD ENGR T. TRIMBLE						
ENGR. MGR E. SHU						
PRJCT. MGR K. NERSON						
OTHER G.A. G. FINE						
APPROVED FOR DETAILED DESIGN						
BY	DATE					

COMPUTER GENERATED: NO MANUAL CHANGES ALLOWED

BOXES AND 110 GAL DRUMS

DRUMS

ALTERNATE FLOW IF
HGS DONE AHEAD OF NDA

01/26/98 11:58 RT SCALE 1 = 1
CNO NO: P:\COA\WAPA\9104001\DOUGLAS\MCCORMACK.DWG
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[illegible]

PAGE 01

DRAWING TRACEABILITY LIST	NEXT USED ON :	REFERENCE	
	NONE

Baytheon
Engineers & Constructors

U.S. DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
WESTINGHOUSE HANFORD COMPANY

SWOC W113
BLOCK FLOW DIAGRAM

	BY	DATE
DRAWN	SWINERT	08-21-84
CHECKED	GREENLEIS	08-21-84
LEAD ENGR	K. ROSS	08-31-84
ENGR. MOR	SWINERT	
PRGR. MOR	J. BUCKLE	
OTHER	K. MESSON	
	G.A. G. FRIST	
APPROVED FOR DETAILED DESIGN		
BY	DATE	

SIZE	BLDG NO.	INDEX NO.	DRAWING NUMBER	REV
D	218 W478	7000	H-2-823288	00
SCALE: NONE	PROJECT NO. 8944-801	SHEET 1 OF 1		

REV NO	DESCRIPTION	REV BY/DATE	CHK BY/DATE	APPROVALS/DATE
00	RELEASE FOR DETAIL DESIGN	R. SWINERT 01-24-85	K. ROSS 01-27-85	J. BUCKLE 01-27-85
CADFILE: B823288A CADCODE: DOS:6.2:ACD2:12:NN

MATERIAL FLOW		
	TOTAL	THROUGH PUT PER SHIFT
55 GAL DRUMS	7232	16
BOXES	18	1(>8'x8'x13') 2(<8'x8'x13')
110 GAL DRUMS	57	1

			REFERENCE
	DRAWING TRACEABILITY LIST		NEXT USED ON : NONE

Raytheon
Engineers & Constructors

DESIGNED		BY	DATE	U.S. DEPARTMENT OF ENERGY RICHLAND OPERATIONS OFFICE WESTINGHOUSE HANFORD COMPANY				
DRAWN		BY	DATE	SWOC W113 PROCESS FLOW DIAGRAM (POST START-UP OPERATIONS)				
CHECKED		BY	DATE					
LEAD ENGR		BY	DATE					
ENCL. MGR		BY	DATE					
PROJ. MGR		BY	DATE	G.A. G. FRIST OTHER APPROVED FOR DETAILED DESIGN BY FOR DATE				
SIZE	BLDG NO.	INDEX NO.	DRAWING NUMBER	REV				
D	218 W478	7000	H-2-823289	00				
SCALE: NONE		PROJECT NO.		9104.001	SHEET 2 OF 2			

00	RELEASE FOR DETAIL DESIGN	R. BARNES	K. ROSS	R. BARNES	J. BUCKLE
REV NO	DESCRIPTION	REV BY/DATE	CHK BY/DATE	APPROVED/DATE	
CADFILE: B0232809 CADCODE: DOS: 6.2: ACD2: 12: NN					

COMPUTER GENERATED: NO MANUAL CHANGES ALLOWED

COLOR 1234567891011121314 CAD NO: P:\COM\WPA\S16400T\DIAGRAMS\B233294A.DWG
FOR MODE 1883111813485321 PLOT NAME: P2_PLOT

STEP 3 - REMOVE TRENCH EARTH COVER

VIEW LOOKING EAST

STEP 4 - EXCAVATE SIDE TRENCH FULL LENGTH OF TRENCH 4C-T04

VIEW LOOKING EAST

Raytheon
Engineers & Constructors

U.S. DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
WESTINGHOUSE-HAMFORD COMPANY

SWOC W113
OPERATIONAL SCHEMATIC
SOIL REMOVAL/
RETRIEVAL EQUIPMENT INTERFACES

	BY	DATE
DESIGNED	K. ROSS	10-08-84
DRAWN	K. ROSS	10-08-84
CHECKED	BRINSTER	10-22-84
LEAD ENGR	BRINSTER	
ENR. MGR	J. BUCKLE	
PROJ. MGR	K. MERTON	
OTHER	G. FRIST	

SIZE	BLDG NO.	INDEX NO.	DRAWING NUMBER	REV
D	218 W478	7001	H-2-823294	00
SCALE: NONE		PROJECT NO. 9104.001 SHEET 1 OF 5		

00	RELEASE FOR DETAIL DESIGN	K. ROSS	R. BRINSTER	J. BUCKLE
REV NO	DESCRIPTION	REV BY/DATE	CHK BY/DATE	APPROVAL/DATE
1		10-08-84	10-22-84	10/22/85

CADFILE: B023294A	CADCODE: DOS: 8.2: ACD2: 12: NN
-------------------	---------------------------------

T TRENCH ENCLOSURE

Raytheon
Engineers & Constructors

DESIGNED K. ROSS 10-08-04 DRAWN K. ROSS 10-08-04 CHECKED BHWESTER 10-22-04 LEAD ENGR BHWESTER ENCL. MGR J. BUCKLE PROJ. MGR K. HENSON			U.S. DEPARTMENT OF ENERGY RICHLAND OPERATIONS OFFICE WESTINGHOUSE HANFORD COMPANY SWOC W113 OPERATIONAL SCHEMATIC SOIL REMOVAL/ RETRIEVAL EQUIPMENT INTERFACES			
BY	DATE	SIZE	BLDG NO.	INDEX NO.	DRAWING NUMBER	REV
G.A.	G. FRIST	D	218 W478	7001	H-2-823294	00
APPROVED FOR DETAILED DESIGN		SCALE: NONE				
BY	DATE	PROJECT NO. 9184-B01 SHEET 2 OF 5				

DO	RELEASE FOR DETAIL DESIGN	K. ROSS	R. BHWESTER	J. BUCKLE	J. BUCKLE
REV NO	DESCRIPTION	REV BY/DATE	CHK BY/DATE	APPROVALS/DATE	
CADFILE: B823294B CADCODE: DOS: 6.2: ACD2: 12: NN					

COMPUTER GENERATED: NO MANUAL CHANGES ALLOWED

STEP 6 -
VIEW LOOKING EAST

SECTION A-A

SECTION B-B

SECTION C-C

KEY PLAN

			REFERENCE
DRAWING TRACEABILITY LIST		NEXT USED ON : NONE	

DRAWING TRACEABILITY LIST

NEXT USED ON : NONE

C:\NO: P:\COA\WMA\9184001\DISC0001\DISC0001.DOC

01/24/98 13:01 NY SOLF 1 - 40
DOW 2104.001

FIGURE 10-13

INSTALLATION OF VACUUM SOIL REMOVAL SYSTEM

Baytheon
Engineers & Constructors

BY		DATE		U.S. DEPARTMENT OF ENERGY RICHLAND OPERATIONS OFFICE WESTINGHOUSE HANFORD COMPANY				
DESIGNED	K. ROSS	10-08-04		SWOC W113 OPERATIONAL SCHEMATIC SOIL REMOVAL/ RETRIEVAL EQUIPMENT INTERFACES				
DRAWN	K. ROSS	10-08-04						
CHECKED	BURMESTER	10-22-04						
LEAD ENGR	BURMESTER							
ENCL. MOR	J. BUCKLE							
PRCL. MOR	K. MERSON							
G.A.	G. TRIST			SIZE	BLDG NO.	BODY NO.	DRAWING NUMBER	REV
OTHER				D	218 W478	7001	H-2-823294	00
APPROVED FOR DETAILED DESIGN				SCALE: 1/8"=1'-0"				
BY	DATE			PROJECT NO. 0944801				
FOR				SHEET 3 OF 5				

DO	RELEASE FOR DETAIL DESIGN	K. ROSS	10-08-04	K. BURMESTER	10-22-04	J. BUCKLE	10-22-04
REV NO	DESCRIPTION	REV BY/DATE	CHK BY/DATE	APPROVALS/DATE			
REVISIONS							
CADFILE: B823294C		CADCODE: DOS: 6.2; ACD2: 12: NN

			REFERENCE
DRAWING TRACEABILITY LIST		NEXT USED ON : NONE	

FRANCIS W. J. SINGH

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DD

TRENCH ENCLOSURE ROOF

VACUUM TRUCK

TOP OF TRENCH SIDE

DRUM SHORING

EXISTING ASPHALT SURFACE

DD

SECTION

Raytheon
 Engineers & Constructors

 U.S. DEPARTMENT OF ENERGY
 RICHLAND OPERATIONS OFFICE
 WESTINGHOUSE HANFORD COMPANY

 SWOC W113
 OPERATIONAL SCHEMATIC
 SOIL REMOVAL/
 RETRIEVAL EQUIPMENT INTERFACES

	BY	DATE
DESIGNED	K. ROSS	08-24-84
DRAWN	K. ROSS	08-24-84
CHECKED	BARNISTER	10-22-84
LEAD ENGR	BARNISTER	
ENGL MOR	J. BUCKLE	
PRG. MOR	K. MEXSON	
Q.A.	G. FAUST	
OTHER		
APPROVED FOR DETAILED DESIGN		
BY	DATE	

SIZE	BUILD NO.	INDEX NO.	DRAWING NUMBER	REV
D	218 W478	7001	H-2-823294	00
SCALE: NONE	PROJECT NO. 9184.001	SHEET 4 OF 5		

DD	RELEASE FOR DETAIL DESIGN	K. ROSS	R. BARNISTER	R. BARNISTER	J. BUCKLE
REV NO	DESCRIPTION	REV BY/DATE	CHK BY/DATE	APPROVALS/DATE	
1					
CADFILE: B0232940		CADCODE: DOS: 6.2; ACD2: 12; NN			

COMPUTER GENERATED: NO MANUAL CHANGES ALLOWED

W113-CR-101
SELF PROPELLED CRANE

AERIAL WORK PLATFORM
W113-AP-101

DRUM SHORING

STEP 8 - COMMENCEMENT OF DRUM RETRIEVAL

VIEW LOOKING EAST

34E 1400 JAN 28 11 04 54 1995 Plotted by FEM002 in C3-BW

NOTED BY THE DIRECTOR

81/24/98 1533 PU SIZE 1 - 48
 0 DAW 9164001
 COLOR 1 2 3 4 5 6 7 8 9 10 11 12 13 14
 PU NAME 1 5 5 3 1 5 1 3 4 5 5 3 2 1
 CLO NO: 7100A 9999 9164001/DAC00000/002325-02.DMS
 PU NAME PU LOT

01/24/98 13:53 PJ SCLD 1 - 48

FROM WILSON

				REFERENCE
DRAWING TRACEABILITY LIST			NEXT USED ON : NONE

SECTION

Raytheon
Engineers & Constructors

	BY	DATE
DESIGNED	K. ROSS	08-24-04
DRAWN	K. ROSS	08-24-04
CHECKED	B. BARNES	10-22-04
LEAD ENGR	B. BARNES	
ENCL. MGR	J. BUCKLE	
PROJ. MGR	K. MEXSON	
Q.A.	G. FALST	
OTHER		

U.S. DEPARTMENT OF ENERGY
NICHOLAND OPERATIONS OFFICE
WESTINGHOUSE HANFORD COMPANY

SWOC W113
OPERATIONAL SCHEMATIC
SOIL REMOVAL/
RETRIEVAL EQUIPMENT INTERFACES

SIZE	BLDG NO.	INDEX NO.	DRAWING NUMBER	REV
D	218 W478	7001	H-2-823294	00
SCALE: NONE	PROJECT NO. 916A.001	SHEET 5 OF 8		

REV NO	DESCRIPTION	REV BY/DATE	CHK BY/DATE	APPROVALS/DATE
00	RELEASE FOR DETAIL DESIGN	K. ROSS 08-24-04	B. BARNES 10-22-04	J. BUCKLE 10-22-04
REVISIONS				
CADFILE: B823294E CADCODE: DOS: 6.2; ACD2: 12; NN				

COMPUTER GENERATED: NO MANUAL CHANGES ALLOWED

FF SECTION (REMOVAL OF LEVEL 4 DRUMS)
H-2-823295 SHT 2

FF SECTION (REMOVAL OF LEVEL 3 DRUMS)
H-2-823295 SHT 2

64 The Jan 26 15 10:49 1995 Plotted by PENC02 in C3-60

01/24/98 13:35 PU SOL: 1 = 49
 = CUM 9164.001
 COLOR 1 2 3 4 5 6 7 8 9 10 11 12 13
 PU MEAS 1 0 0 3 1 1 5 1 3 4 8 8 3 2 1
 CUD NO: F1004 WPM 0184001 DCM0405 M02256ALDNG
 PU INCOME 75_PLOT

01/24/98 13:38 NY SOLF : - 40

PAUL WILSON

			REFERENCE
	DRAWING TRACEABILITY LIST		NEXT USED ON : NONE

FF SECTION (REMOVAL OF LEVEL 2 DRUMS)
H-2-823295 SHT 2

FF SECTION (REMOVAL OF LEVEL 1 DRUMS)
H-2-823295 SHT 2

Raytheon
Engineers & Constructors

			BY			DATE			U.S. DEPARTMENT OF ENERGY RICHLAND OPERATIONS OFFICE WESTINGHOUSE HANFORD COMPANY SWOC W113 OPERATIONAL SCHEMATIC DRUM RETRIEVAL OPS ELEVATIONS		
DESIGNED			K. ROSS			08-24-84					
DRAWN			K. ROSS			08-24-84					
CHECKED			B. BARNES			10-22-84					
LEAD ENGR			B. BARNES								
ENCL. MGR			J. BUCKLE								
PRCL. MGR			K. MESSON								
O.A.			G. FRUST								
OTHER											
APPROVED FOR DETAILED DESIGN											
BY			DATE			SCALE: NONE			PROJECT NO. 9944.001		
									SHEET 1 OF 2

PLAN - 1

SHOWING REMOVAL OF LEVEL 4 DRUGS

PLAN - 3

SHOWING REMOVAL OF LEVEL 1 DRUGS

			REFERENCE
DRAWING TRACEABILITY LIST		NEXT USED ON : NONE

PLAN - 2

SHOWING REMOVAL OF LEVEL 2 DRUMS

SHORING SYSTEM INSTALLED AS REQUIRED

PLANS

SHOWING DRUM RETRIEVAL CRANE COVERAGE

LEGEND

- 4 DRUMS HIGH
- 3 DRUMS HIGH
- 2 DRUMS HIGH
- 1 DRUM HIGH

NOTES:

1. AT TIMES THE AERIAL PLATFORM WILL HAVE TO BE WITHDRAWN FROM THE AREA IMMEDIATELY ADJACENT TO THE DRUM ARRAY TO ALLOW THE FORK LIFT ACCESS TO THE RETRIEVED DRUM.

Raytheon
Engineers & Constructors

BY		DATE		U.S. DEPARTMENT OF ENERGY RICHLAND OPERATIONS OFFICE WESTINGHOUSE HANFORD COMPANY				
DESIGNED	K. ROSS	08-24-04		SWOC W113 OPERATIONAL SCHEMATIC DRUM RETRIEVAL OPS PLANS				
DRAWN	K. ROSS	08-24-04						
CHECKED	BWINTER	10-22-04						
LEAD ENGR	BWINTER							
ENCL ENGR	J. BUCKLE							
PROJ MGR	K. MERSON			SIZE	BLDG NO.	INDEX NO.	DRAWING NUMBER	REV
OTHER				D	218 W478	7001	H-2-823295	00
APPROVED FOR DETAILED DESIGN BY FOR DATE				SCALE: 1/4"=1'-0"				
				PROJECT NO. 8184.001 SHEET 2 OF 2				

00	RELEASE FOR DETAIL DESIGN	R. BWINTER	01-24-05	K. ROSS	01-27-05	J. BUCKLE	01-27-05
REV NO	DESCRIPTION	REV BY/DATE	CHK BY/DATE	APPROVALS/DATE			
REVISIONS							
CADFILE: 86232958		CADCODE: DOS: 6.2: ACD2: 12: NN					

COMPUTER GENERATED: NO MANUAL CHANGES ALLOWED

PLAN

SHOWING BOX TO BE REMOVED

SECTION

LEGEND

Raytheon
Engineers & Constructors

U.S. DEPARTMENT OF ENERGY
NORLAND OPERATIONS OFFICE
WESTINGHOUSE HANFORD COMPANY

SWOC W113
OPERATIONAL SCHEMATIC
BOX RETRIEVAL OPS

BY	DATE
DESIGNED K. ROSS	08-24-04
DRAWN K. ROSS	08-24-04
CHECKED BARNSTER	10-22-04
LEAD ENGR BARNSTER	
ENGR INCH J. BUCKLE	
PROJ. MGR K. WICKSON	
OTHER	
APPROVED FOR DETAILED DESIGN	
BY	DATE

SIZE	BUILD NO.	SHEET NO.	DRAWING NUMBER	REV
D	218	7001	H-2-823296	00
SCALE: 1/8"=1'-0"	PROJECT NO. 0164.001	SHEET 1 OF 1		

DO	RELEASE FOR DETAIL DESIGN	K. ROSS	R. BARNSTER	J. BARNSTER	J. BUCKLE
REV NO	DESCRIPTION	REV BY/DATE	CHK BY/DATE	APPROVALS/DATE	
00	RELEASE FOR DETAIL DESIGN	08-24-04	10-22-04	10-22-04	10-22-04
CADFILE: B523296A		CADCODE: DOS: 6.2: ACD2: 12: NN

KK SECTION

Baytheon
Engineers & Constructors

	BY	DATE	U.S. DEPARTMENT OF ENERGY RICHLAND OPERATIONS OFFICE WESTINGHOUSE HANFORD COMPANY				
DESIGNED	K. ROSS	08-24-84	SWOC W113 OPERATIONAL SCHEMATIC DRUM OVERPACK OPS PLAN AND ELEVATION				
DRAWN	K. ROSS	08-24-84					
CHECKED	BINMASTER	10-22-84					
LEAD ENGR	BINMASTER						
ENCL. MGR	J. BUCKLE						
PROD. MGR	K. WERSON						
	G.A.	G. FRIST	SIZE	BLDG NO.	INDEX NO.	DRAWING NUMBER	REV
OTHER			D	218 W478	7001	H-2-823297	00
APPROVED FOR DETAILED DESIGN							
FOR	DATE		SCALE: 1/8"=1'-0" PROJECT NO. 0164-001 SHEET 1 OF 1				

DD	RELEASE FOR DETAIL DESIGN	K. ROSS	01-27-85	R. BINMASTER	01-27-85	J. BUCKLE	01-27-85	A. BUCKLE	01-27-85
REV NO	DESCRIPTION	REV BY/DATE	CHK BY/DATE	APPROVALS/DATE					
REVISIONS									
CADFILE: B823297A					CADCODE: DOS: 6.2; ACD2: 12; NN

HEAD GAS SAMPLING MODULE

COMETOR SYSTEM

H₂O/AIR MODULE

COMETOR SYSTEM

WDA/NDE MODULE

CONVEYOR SYSTEM

DAYTON AVE

§ OF TRENCH 04 ACCESS RAMP

DRUM TRANSPORT VEHICLE
(TO W112)

KEY PLAN

SCALE : $3/32" = 1'-0"$

2025 JAN 23 15 11 45 1985 Plotted by FE002 in C3-BN

01/24/86 13:49 RT SIZE 1 = 32 COLOR 123456789ABCDEF
EAM 9194J01 POI NDRS 18831153456321 PRT MTRNG 72 CUT CLO NO: A1COK WWWW1916HPT/DNOMWST/SECCSSA.CNO

01/24/08 13:49 FLY SOUP 1 - 32

FORM W-2000

DRAWING TRACEABILITY LIST		REFEREN	
NEXT USED ON : NONE

DETAIL - PLAN

SCALE 3/8"=1'-0"

00	RELEASE FOR DETAIL DESIGN	K. ROSS	R. BARNES	J. BARNES	J. BUCKLE
REV	DESCRIPTION	REV BY/DATE	CHK BY/DATE	APPROVAL/DATE	
1		10-15-94	10-22-94	10-22-94	10-22-94
2		10-22-94	10-22-94	10-22-94	10-22-94
3		10-22-94	10-22-94	10-22-94	10-22-94
4		10-22-94	10-22-94	10-22-94	10-22-94
5		10-22-94	10-22-94	10-22-94	10-22-94
6		10-22-94	10-22-94	10-22-94	10-22-94
7		10-22-94	10-22-94	10-22-94	10-22-94
8		10-22-94	10-22-94	10-22-94	10-22-94
9		10-22-94	10-22-94	10-22-94	10-22-94
10		10-22-94	10-22-94	10-22-94	10-22-94
11		10-22-94	10-22-94	10-22-94	10-22-94
12		10-22-94	10-22-94	10-22-94	10-22-94
13		10-22-94	10-22-94	10-22-94	10-22-94
14		10-22-94	10-22-94	10-22-94	10-22-94
15		10-22-94	10-22-94	10-22-94	10-22-94
16		10-22-94	10-22-94	10-22-94	10-22-94
17		10-22-94	10-22-94	10-22-94	10-22-94
18		10-22-94	10-22-94	10-22-94	10-22-94
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25		10-22-94	10-22-94	10-22-94	10-22-94
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32		10-22-94	10-22-94	10-22-94	10-22-94
33		10-22-94	10-22-94	10-22-94	10-22-94
34		10-22-94	10-22-94	10-22-94	10-22-94
35		10-22-94	10-22-94	10-22-94	10-22-94
36		10-22-94	10-22-94	10-22-94	10-22-94
37		10-22-94	10-22-94	10-22-94	10-22-94
38		10-22-94	10-22-94	10-22-94	10-22-94
39		10-22-94	10-22-94	10-22-94	10-22-94
40		10-22-94	10-22-94	10-22-94	10-22-94
41		10-22-94	10-22-94	10-22-94	10-22-94
42		10-22-94	10-22-94	10-22-94	10-22-94
43		10-22-94	10-22-94	10-22-94	10-22-94
44		10-22-94	10-22-94	10-22-94	10-22-94
45		10-22-94	10-22-94	10-22-94	10-22-94
46		10-22-94	10-22-94	10-22-94	10-22-94
47		10-22-94	10-22-94	10-22-94	10-22-94
48		10-22-94	10-22-94	10-22-94	10-22-94
49		10-22-94	10-22-94	10-22-94	10-22-94
50		10-22-94	10-22-94	10-22-94	10-22-94
51		10-22-94	10-22-94	10-22-94	10-22-94
52		10-22-94	10-22-94	10-22-94	10-22-94
53		10-22-94	10-22-94	10-22-94	10-22-94
54		10-22-94	10-22-94	10-22-94	10-22-94
55		10-22-94	10-22-94	10-22-94	10-22-94
56		10-22-94	10-22-94	10-22-94	10-22-94
57		10-22-94	10-22-94	10-22-94	10-22-94
58		10-22-94	10-22-94	10-22-94	10-22-94
59		10-22-94	10-22-94	10-22-94	10-22-94
60		10-22-94	10-22-94	10-22-94	10-22-94
61		10-22-94	10-22-94	10-22-94	10-22-94
62		10-22-94	10-22-94	10-22-94	10-22-94
63		10-22-94	10-22-94	10-22-94	10-22-94
64		10-22-94	10-22-94	10-22-94	10-22-94
65		10-22-94	10-22-94	10-22-94	10-22-94
66		10-22-94	10-22-94	10-22-94	10-22-94
67		10-22-94	10-22-94	10-22-94	10-22-94
68		10-22-94	10-22-94	10-22-94	10-22-94
69		10-22-94	10-22-94	10-22-94	10-22-94
70		10-22-94	10-22-94	10-22-94	10-22-94
71		10-22-94	10-22-94	10-22-94	10-22-94
72		10-22-94	10-22-94	10-22-94	10-22-94
73		10-22-94	10-22-94	10-22-94	10-22-94
74		10-22-94	10-22-94	10-22-94	10-22-94
75		10-22-94	10-22-94	10-22-94	10-22-94
76		10-22-94	10-22-94	10-22-94	10-22-94
77		10-22-94	10-22-94	10-22-94	10-22-94
78		10-22-94	10-22-94	10-22-94	10-22-94
79		10-22-94	10-22-94	10-22-94	10-22-94
80		10-22-94	10-22-94	10-22-94	10-22-94
81		10-22-94	10-22-94	10-22-94	10-22-94
82		10-22-94	10-22-94	10-22-94	10-22-94
83		10-22-94	10-22-94	10-22-94	10-22-94
84		10-22-94	10-22-94	10-22-94	10-22-94
85		10-22-94	10-22-94	10-22-94	10-22-94
86		10-22-94	10-22-94	10-22-94	10-22-94
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89		10-22-94	10-22-94	10-22-94	10-22-94
90		10-22-94	10-22-94	10-22-94	10-22-94
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98		10-22-94	10-22-94	10-22-94	10-22-94
99		10-22-94	10-22-94	10-22-94	10-22-94
100		10-22-94	10-22-94	10-22-94	10-22-94

CADFILE: B823303A

CADCODE: DOS: 6.2: ACD2: 12: NN

BY	DATE
DESIGNED	K. ROSS 10-15-94
DRAWN	K. ROSS 10-15-94
CHECKED	BARNES 10-22-94
LEAD ENGR	BARNES
ENCL. MGR	J. BUCKLE
PROD. MGR	K. BARNES
Q.A.	G. FRIST
OTHER	
APPROVED FOR DETAILED DESIGN	
BY	DATE

U.S. DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
WESTINGHOUSE HAMFORD COMPANY

SWOC W113
INTERFACE WITH HGS
START-UP OPERATIONS

REV	SIZE	BLOS NO.	INDEX NO.	DRAWING NUMBER	REV
D	218	W478	7001	H-2-823303	00
SCALE: AS NOTED	PROJECT NO.	9944301	SHEET 1 OF 1		

COMPUTER GENERATED: NO MANUAL CHANGES ALLOWED

1 DETAIL
SCALE 3/8" = 1'-0"

- NOTES
- 1.) THIS DRAWING ILLUSTRATES THE MECHANICAL EQUIPMENT INTERFACE WITH THE NDA/NDE MODULE FOR POST START UP OPERATIONS ONLY. THE INTERFACE DURING START UP IS SIMILAR TO THAT SHOWN (FOR THE HEAD GAS SAMPLING MODULE) ON DWG H-2-823303.
 - 2.) INTERFACE WITH HEAD GAS SAMPLING MODULE SIMILAR FOR POST-START UP OPERATIONS.
 - 3.) NON-DESTRUCTIVE ASSAYING AND EXAMINATION EQUIPMENT (NDA/NDE) AND CONVEYOR SYSTEM ARE GOVERNMENT FURNISHED EQUIPMENT (CFE) ITEMS.
 - 4.) MODULES WILL BE BACKED INTO TRENCH TO MINIMIZE LENGTH OF ENCLOSURE REQUIRED.
 - 5.) DIMENSIONS GIVEN ARE INDICATIVE ONLY.

Raytheon
Engineers & Constructors

DESIGNED		K. ROSS	10-15-84
DRAWN		K. ROSS	10-15-84
CHECKED		BRUNSTER	10-22-84
LEAD ENGR		BRUNSTER	
ENGL MOR		J. BUCKLE	
PROJ. MOR		K. MERSON	
OTHER		G.A.	G. FAUST
APPROVED FOR DETAILED DESIGN		BY	DATE
BY			
DATE			

U.S. DEPARTMENT OF ENERGY RICHLAND OPERATIONS OFFICE WESTINGHOUSE HANFORD COMPANY			
SWOC W113 INTERFACE WITH NDA/NDE POST START-UP OPERATIONS			
SIZE	BLDG NO.	INDEX NO.	DRAWING NUMBER
D	218 W478	7001	H-2-823304
SCALE: AS NOTED	PROJECT NO.	9784.001	SHEET 1 OF 1

00 RELEASE FOR DETAIL DESIGN		K. ROSS	R. BRUNSTER	J. BUCKLE
REV NO		01-27-85	01-27-85	01-27-85
DESCRIPTION		REV BY/DATE	CHK BY/DATE	APPROVALS/DATE
CADFILE: B823304A		CADCODE: DOS: 8.2: ACD2: 12: HN

Raytheon
Engineers & Constructors

U.S. DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
WESTINGHOUSE HANFORD COMPANY

SWOC W113
EQUIPMENT LAYOUT
DURING START UP
OF DRUM RETRIEVAL

	BY	DATE
DESIGNED	E. BOSS	08-30-84
DRAWN	E. BOSS	08-30-84
CHECKED	BRWISTER	10-22-84
LEAD ENGR	BRWISTER	
ENGR. MOR	J. BUCKLE	
PROJ. MOR	E. MCKEN	
OTHER		
APPROVED FOR DETAILED DESIGN	G.A.	G. FAUST
BY		
FOR		
DATE		

SIZE	BLOC NO.	INDEX NO.	DRAWING NUMBER	REV
D	218 W478	1575	H-2-823305	00
SCALE: 1/8"=1'-0"		PROJECT NO.	9184.001	SHEET 1 OF 1

00	RELEASE FOR DETAIL DESIGN	E. BOSS	R. BRWISTER	D. BRWISTER	J. BUCKLE
REV NO	DESCRIPTION	REV BY/DATE	CHK BY/DATE	APPROVALS/DATE	
REVISIONS					
CADFILE: 8823305A		CADCODE: DOS: 6.2; ACD2: 12; NN			

COMPUTER GENERATED: NO MANUAL CHANGES ALLOWED

DRAWING TRACEABILITY LIST	REFERENCE NEXT USED ON : NONE

Raytheon
Engineers & Constructors

U.S. DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
WESTINGHOUSE HANFORD COMPANY

SWOC W113
TRENCH ENCLOSURE
EQUIPMENT LAYOUT PLAN
POST START UP

	BY	DATE
DESIGNED	K. ROSS	08-24-84
DRAWN	K. ROSS	08-24-84
CHECKED	BARNISTER	10-22-84
LEAD ENGR	BARNISTER	
ENCL. MGR	J. BUCKLE	
PROJ. MGR	K. MERSON	

Q.A.	S. FISUT
OTHER	
APPROVED FOR DETAILED DESIGN	
BY	DATE

SIZE	BLDG NO.	INDEX NO.	DRAWING NUMBER	REV
D	218 W478	1575	H-2-823306	00
SCALE: 1/8"=1'-0"		PROJECT NO.	9164.001	SHEET 1 OF 2

00	RELEASE FOR DETAIL DESIGN	K. ROSS	01-27-85	R. BARNISTER	01-27-85	J. BUCKLE	01-27-85
REV NO	DESCRIPTION	REV BY/DATE	DATE	DATE	DATE	DATE	DATE
REVISIONS							
CADFILE: B823306A		CADCODE: DGS:6.2:ACD2:12:NN					

COMPUTER GENERATED: NO MANUAL CHANGES ALLOWED

LL SECTION
H-2-823306 SI

2025 RELEASE UNDER E.O. 14176

01/27/98	1342	AT SALE 1 - 98	COLOR	12345678901123456	CNO NO: P1004/WWP/9184001/DKCAUS/BRSSCMBLNG
000	9184.001		PG1 INTRF	1885311813455321	PG1 INTRF PG1 TOT

01/27/98 13:42 PJ SOLE 1 - 90
0000 9184.001

POPULATION

			REFERENCE
DRAWING TRACEABILITY LIST			NEXT USED ON : NONE

1

DRAWINGS	00	RELEASE FOR DETAIL DESIGN	K. ROSS 01-27-85	R. BARNSTER 01-27-85	J. BARNSTER	J. BUCKLE
	REV NO	DESCRIPTION	REV BY/DATE	CHK BY/DATE	APPROVED/DATE	
	REVISIONS					
	CADFILE: 8623306B			CADCODE: DOS: 6.2: ACD2: 12: NN		

	BY	DATE
DESIGNED	K. ROSS	08-24-84
DRAWN	K. ROSS	08-24-84
CHECKED	BARNSTER	10-22-84
LEAD ENGR	BARNSTER	
ENCL. MOR	J. BUCKLE	
PROJ. MOR	K. MERSON	
OTHER	G. FAUST	
APPROVED FOR DETAILED DESIGN		
BY	DATE	

Raytheon Engineers & Constructors				
U.S. DEPARTMENT OF ENERGY RICHLAND OPERATIONS OFFICE WESTINGHOUSE HANFORD COMPANY				
SWQC W113 TRENCH ENCLOSURE EQUIPMENT LAYOUT SECTION POST START UP				
SIZE	BLDG NO.	INDEX NO.	DRAWING NUMBER	REV
D	218 W478	1575	H-2-823306	00
SCALE: 1/8"=1'-0"		PROJECT NO.	0164.001	SHEET 2 OF 2

TAG. NO.	SERVICE	CFM	MAX.
LV-14-101A	REPLACEMENT AIR INLET	25,000	0.
LV-14-101B	REPLACEMENT AIR INLET	25,000	0.
LV-14-102	REPLACEMENT AIR INLET	1,850	0.

		N-3-623857	
		N-3-623858	
			REFERENCE
DRAWING TRACEABILITY LIST		NEXT USED ON : NONE

GENERAL NOTES

- PORTABLE HEATERS AND FANS TO BE LOCATED BY WORK CREW AS REQUIRED TO PROVIDE RELATIVE COMFORT AT WORK FACE.
- EF-14-101A, EF-14-101B, AND EF-14-102 TO BE MANUALLY CONTROLLED. FAN(S) MUST BE RUNNING IF AN INTERNAL COMBUSTION ENGINE POWERED VEHICLE IS OPERATING WITHIN THE BUILDING. FANS TO BE OPERATED AT WORKERS DISCRETION TO LIMIT TEMPERATURE RISE DUE TO SOLAR HEAT GAIN IN THE SUMMER.
- EF-14-101A AND EF-14-101B SHALL BE INTERLOCKED TO STOP IF THE ISO KINETIC SAMPLER IN THE DUCT OF EITHER REACHES THE ALARM LEVEL.

LEGEND

EF	EXHAUST FAN
LV	LOUVER
PCF	PORTABLE COOLING FAN
PES	PORTABLE ELECTRIC SALAMANDER
PRH	PORTABLE RADIANT HEATER

FAN SCHEDULE									
FAN TYPE	FAN DIA.	FAN RPM	ELECTRICAL HP	VIBRATION ISOLATORS	MANUFACTURER AND MODEL NUMBER	REMARKS			
AXIAL	48"	715	7 1/2	3	NEW YORK BLOWER SIZE 486	ARRANGEMENT 9-S			
AXIAL	48"	715	7 1/2	3	NEW YORK BLOWER SIZE 486	ARRANGEMENT 9-S			
PROP	14"	1760	1/4	15	NEW YORK BLOWER MOD. EF14E4	SAFETY GUARD AND GRAVITY SHUTTER			
PROP	36"	430	1/2	15	MC MASTER-CARR ITEM NO. 2026K61	15' TILT UP OR DOWN, MOUNT ON WHEELS, OSHA GUARD. SEE NOTE 1.			
PROP	48"	395	1	15	MC MASTER-CARR ITEM NO. 2026K62	15' TILT UP OR DOWN, MOUNT ON WHEELS, OSHA GUARD. SEE NOTE 1.			

PORTABLE ELECTRIC HEATER SCHEDULE									
DIMENSIONS		MANUFACTURER AND MODEL NUMBER		REMARKS					
3/4	28 1/2	11	RBC-14-4NC+RBC-CART CHROMALOX	MOUNT ON TWO WHEEL CART SEE NOTE 1.					
3/4	28 1/2	11	RBC-14-4NC+RBC-CART CHROMALOX	MOUNT ON TWO WHEEL CART SEE NOTE 1.					
3/4	28 1/2	11	RBC-14-4NC+RBC-CART CHROMALOX	MOUNT ON TWO WHEEL CART SEE NOTE 1.					
8	19 3/4	7 1/2	RBC-6-4NC+RBC-CART CHROMALOX	MOUNT ON TWO WHEEL CART SEE NOTE 1.					
8	19 3/4	7 1/2	RBC-6-4NC+RBC-CART CHROMALOX	MOUNT ON TWO WHEEL CART SEE NOTE 1.					
8	19 3/4	7 1/2	RBC-6-4NC+RBC-CART CHROMALOX	MOUNT ON TWO WHEEL CART SEE NOTE 1.					
9	22	22	CHROMALOX SAL-20431	1330 CFM FAN, BASE WITH CASTERS SEE NOTE 1.					
9	22	22	CHROMALOX SAL-20431	1330 CFM FAN, BASE WITH CASTERS SEE NOTE 1.					

LOUVER SCHEDULE									
FREE AREA FT. ²	SIZE W"	H"	FRAME TYPE	BLADE SPACING	MATL.	FINISH	SCREEN	MANUFACTURER AND MODEL NUMBER	REMARKS
33.1	96	96	TBD	3"	ALUM.	MILL	BIRD	RUSON ELF 3750	
33.1	96	96	TBD	3"	ALUM.	MILL	BIRD	RUSON ELF 3750	
2.77	30	30	TBD	3"	ALUM.	MILL	BIRD	RUSON ELF 3750	

DO	DESCRIPTION	REV BY/DATE	CHK BY/DATE	APPROVALS/DATE
00	RELEASE FOR DETAIL DESIGN	MC GOWEN 01-27-85	A. SQUELAC 01-27-85	M. GOWEN 01-27-85
01	DESCRIPTION	REV BY/DATE	CHK BY/DATE	APPROVALS/DATE
02	DESCRIPTION	REV BY/DATE	CHK BY/DATE	APPROVALS/DATE

KEYPLAN

Raytheon
Engineers & Constructors

DESIGNED BY DATE				U.S. DEPARTMENT OF ENERGY			
DESIGNED	M. GOWEN	10-21-84		RICHLAND OPERATIONS OFFICE			
DRAWN	R. KOOKEN	10-21-84		WESTINGHOUSE HANFORD COMPANY			
CHECKED	A. SQUELAC	11-18-84		SWOC W113			
LEAD ENGR	M. GOWEN			HVAC GENERAL ARRANGEMENT			
ENGR. WOK	R. BISH			AND			
PROJ. MGR	E. HEDSON			EQUIPMENT SCHEDULES			
OTHER	G. FAUST			SIZE	BLDG. NO.	INDEX NO.	DRAWING NUMBER
APPROVED FOR DETAILED DESIGN				D	218	8900	H-2-823342
BY				W478			00
DATE				SCALE: AS NOTED	PROJECT NO.	9194-801	SHEET 1 OF 1

FROM WITHIN

			REFERENCE
DRAWING TRACEABILITY LIST		NEXT USED ON : NONE

Raytheon Engineers & Constructors				
U.S. DEPARTMENT OF ENERGY RICHMOND OPERATIONS OFFICE WESTINGHOUSE HANFORD COMPANY				
SWOC W113 HVAC SECTIONS AND DETAILS				
	DESIGNED M. GEDRET 10-27-84	DRAWN R. BOONEN 10-28-84	CHECKED A. SHOUSAC 11-18-84	LEAD ENGR M. GEDRET
	ENCL. MGR R. BNSU	PROJ. MGR K. BERSON	O.A. C. FRUST	OTHER
APPROVED FOR DETAILED DESIGN BY _____ DATE _____				
DO RELEASE FOR DETAIL DESIGN	M. GEDRET 01-23-85	A. SHOUSAC 01-27-85	M. GEDRET 01-27-85	R. BNSU 01-27-85
REVISIONS				
CADFILE: B823343A CADCODE: DOS: 6.2: ACD2: 12: NN				
SCALE: 1/8" = 1'-0"				
PROJECT NO. 8944.801 SHEET 1 OF 1

LEGEND	
	SPRINKLER PIPING
	ENCLOSURE BOUNDARY
	ELECTRICAL CIRCUIT
	RADIO SIGNAL
	MANUAL PULL STATION
	HORN STROBE UNIT
	SPRINKLER HEAD CLOSED
	THERMAL DETECTOR (RATE COMPENSATED)
	DRY PIPE VALVE
	OSBY VALVE WITH TAMPER SWITCH
	CHECK VALVE
	POST INDICATOR VALVE
	HOSE CONNECTION W/SHUTOFF VALVE
	SELF DRAINING BALL VALVE
	FIRE DEPARTMENT CONNECTION
	GOVERNMENT FURNISHED EQUIPMENT
	LOCKED OPEN
	LOCKED CLOSED
	BACKFLOW PREVENTER
	AIR COMPRESSOR
	ELECTRIC HEATER
	ELECTRIC BELL

AND VALVES
ST CONTROL SYSTEM

Baytheon
Engineers & Constructors

BY	DATE
DESIGNED: SHIFFORD	10-25-04
DRAWN: GREENLEIS	10-25-04
CHECKED: F. TADGE	11-01-04
LEAD ENGR: F. TADGE	
ENGR. IN CH: R. BISH	
PROJ. MGR: K. NELSON	
Q.A.: G. FAUST	
OTHER:	

U.S. DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
WESTINGHOUSE HANFORD COMPANY

SWOC W113
FIRE PROTECTION
TRENCH ENCLOSURE
MECHANICAL FLOW DIAGRAM

REV NO	DESCRIPTION	REV BY/DATE	CHK BY/DATE	APPROVALS
00	RELEASE FOR DETAIL DESIGN	J. TENNELL 01-25-05	F. TADGE 01-25-05	E. TADGE 01-25-05
REVISIONS				
CADFILE: B823362A				
CADCODE: DOS: 6.2: ACD2: 12: NN				

SIZE	BUILD NO.	INDEX NO.	DRAWING NUMBER	REV
D	218 W478	7001	H-2-823362	00
SCALE: NONE		PROJECT NO. 0194.801		
BY FOR		DATE		

COMPUTER GENERATED: NO MANUAL CHANGES ALLOWED

POPULATION 171,300,000

			REFERENCE
DRAWING TRACEABILITY LIST		NEXT USED ON : NONE	

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NOTES:

1. THE DESIGN OF THE SPRINKLER SYSTEM SHALL BE IN ACCORDANCE WITH NFPA 13, AND SPECIFICATION SECTION 15300.
2. THE DESIGN OF THE ALARM AND DETECTION SYSTEM SHALL BE IN ACCORDANCE WITH NFPA 72, AND SPECIFICATION SECTION 16720.
3. MANUAL FIRE EXTINGUISHERS ARE TO BE LOCATED IN ACCORDANCE WITH NFPA 10, AND SPECIFICATION SECTION 10522.
4. THIS DRAWING REPRESENTS THE BID BASIS ONLY AND IS NOT THE FINAL DESIGN, THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION.
5. REFER TO DRAWING H-2-823243 FOR RELOCATION INFORMATION.

LEGEND

- SPRINKLER HEAD
- RISER
- THERMAL DETECTOR
R/C (RATE COMPENSATED)
- 10# ABC MULTI-PURPOSE DRY CHEMICAL
FIRE EXTINGUISHER: 4A:50BC
- FACP FIRE ALARM CONTROL PANEL
- MANUAL PULL STATION
- HORN/STROBE UNIT
- ELECTRIC BELL
- FIRE DEPARTMENT CONNECTION

Baytheon
Engineers & Constructors

BY	DATE	U.S. DEPARTMENT OF ENERGY			
DESIGNED	SWINORD	10-25-84	SWOC W113 FIRE PROTECTION ZONE DIAGRAM TRENCH ENCLOSURE		
DRAWN	GREEDLITZ	10-25-84			
CHECKED	F. TADGE	11-01-84			
LEAD ENGR	F. TADGE				
ENGR. MOR	R. BISH				
PROJ. MOR	E. REDSON		SIZE	BLDG NO.	INDEX NO.
			D	218	7001
				W478	H-2-823363
OTHER	G.A.	G. FILST			00
APPROVED FOR DETAILED DESIGN			SCALE: 1/16"=1'-0"	PROJECT NO.	SHEET 1 OF 1
BY	DATE				

00	RELEASE FOR DETAIL DESIGN	J. REWILL	F. TADGE	F. TADGE	R. BISH
REV NO	DESCRIPTION	REV BY/DATE	CHK BY/DATE	APP BY/DATE	APP BY/DATE
1					
CADFILE: B623363A		CADCODE: DOS: 6.2: ACD2: 12: NN			

COMPUTER GENERATED: NO MANUAL CHANGES ALLOWED

SMC750657238 \JIT7\11007616 \

1. EQUIPMENT TO BE PROVIDED AND INSTALLED UNDER W113 IN EXISTING GENERAL OFFICE BLDG.

A

SWOC W113
TELECOMMUNICATIONS
BLOCK FLOW DIAGRAM

SIZE	BUILD NO.	INDEX NO.	DRAWING NUMBER	REV
D	218, W478 & W4702	7602	H-2-823365	00
SCALE: NONE		PROJECT NO.	0184.001	SHEET 1 OF 1

COMPUTER GENERATED: NO MANUAL CHANGES ALLOWED

			REFERENCE
	DRAWING TRACEABILITY LIST		NEXT USED ON : NONE

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NOTES:

1. PANEL LP-104 TO SUPPLY 120/240V RECEPTACLES FOR PORTABLE LIGHTING AND PORTABLE CONSTRUCTION POWER SUPPLY MODULES.

LEGEND:

DISTRIBUTION TRANSFORMER

CURRENT TRANSFORMER

WATTHOUR METER

CIRCUIT BREAKER

PACKAGED EQUIPMENT LOAD, HP OR KW

POWER RECEPTACLE OUTLET (480VAC)

120VAC RECEPTACLE OUTLET

LOCAL COMBINATION STARTER
• STARTER NEMA SIZE

Raytheon
Engineers & Constructors

U.S. DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
WESTINGHOUSE HANFORD COMPANY

SWOC W113
MASTER SINGLE LINE DIAGRAM

BY	DATE
DESIGNED: HOLDOITCH	10-11-84
DRAWN: A. OSTBOLD	10-17-84
CHECKED: E. LOONE	10-28-84
LEAD ENGR: CHAMBERS	
ENCL. MGR: R. BKSJ	
PROJ. MGR: E. WERSON	
O.A.	G. FAUST
OTHER:	

DO	RELEASE FOR DETAIL DESIGN	E. LOONE	G. CHAMBERS	A. CHAMBERS	R. BKSJ
REV NO	DESCRIPTION	REV BY/DATE	CHK BY/DATE	APPROVALS/DATE	
1	RELEASE FOR DETAIL DESIGN	01-23-85	01-28-85	01-28-85	01-28-85
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CADFILE: BR23366A

CADCODE: DOS: 6.2: ACD2: 12: NN

APPROVED FOR DETAILED DESIGN
BY: DATE:

REV	NO	DESCRIPTION	DATE
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COMPUTER GENERATED: NO MANUAL CHANGES ALLOWED

			REFERENCE
DRAWING TRACEABILITY LIST		NEXT USED ON : NONE

NOTES:

1. THE FDC REQUIRES THAT ALL HEALTH PHYSICS ALARMS MUST BE INTERFACED WITH THE CENTRAL CONTROL SYSTEM.
2. FACILITY EXHAUST ISOKINETIC SAMPLING TO BE IDENTIFIED ON HVAC DRAWING REF H-2-823342.
3. SHIELDED BOX TO PROVIDE REDUCED BACKGROUND TO ALLOW QUALITATIVE EXAMINATION OF SMEARS
4. FRISK MONITOR TO BE LOCATED ON SOME APPROPRIATE MOVABLE EQUIPMENT TO BE IDENTIFIED IN TITLE II.
5. MONITOR NUMBER WILL BE REFERENCED TO INSTRUMENT TAG NO DURING TITLE II DESIGN.
6. RECORD SAMPLER SAMPLES VACUUM EXHAUST
7. PORTABLE UNITS, PA-2 AND PA-3, TO BE LOCATED IN THE VICINITY OF THE HOSE IN USE.

LEGEND

SYMBOL	DESCRIPTION
A	ALPHA CONTINUOUS AIR MONITORING (CAM) SYSTEM
PA	PORTABLE ALPHA CONTINUOUS AIR MONITORING SYSTEM
F	ALPHA/BETA/GAMMA FRISK MONITOR
PG	PORTABLE AREA RADIATION (GAMMA) MONITOR
S	CONTINUOUS SAMPLING SYSTEM
PS	PORTABLE CONTINUOUS SAMPLING SYSTEM
EA	EXAMINATION AREA

REV NO	DESCRIPTION	REV BY/DATE	CHK BY/DATE	APPROVALS/DATE
00	RELEASE FOR DETAIL DESIGN	A. WILSON 01-19-85	E. SHW 01-27-85	E. SHW 1-20-85
CADFILE: B823407A CADCODE: DOS: 6.2: ACD2: 12: NN				

DESIGNED	BY	DATE
A. WILSON	A. WILSON	08-30-84
DRAWN	K. ROSS	08-30-84
CHECKED	R. FISANO	10-25-84
LEAD CHGR	R. SHW	
CHG. MGR	R. SHW	
PROJ. MGR	K. MEXSON	
OTHER	G. FAUST	
APPROVED FOR DETAILED DESIGN BY FOR DATE		

Raytheon Engineers & Constructors				
U.S. DEPARTMENT OF ENERGY RICHLAND OPERATIONS OFFICE WESTINGHOUSE HANFORD COMPANY				
SWOC W113 HEALTH PHYSICS INSTRUMENT LOCATION PLAN TRENCH ENCLOSURE				
SIZE	BLDG NO.	INDEX NO.	DRAWING NUMBER	REV
D	218 W478	5901	H-2-823407	00
SCALE: 1/8"=1'-0"		PROJECT NO.	SHEET 1 OF 1	
		9744.001		