START

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Final

Meeting Minutes Transmittal/Approval
Unit Manager's Meeting: 200-BP-1 Operable Unit
2440 Stevens Center, Room 1200, Richland, Washington
June 30, 1994

FROM/APPROVAL: Paul M. Pak Date 7/27/94
Paul M. Pak, 200-BP-1 Unit Manager, RL (A5-19)

APPROVAL: Paul R. Beaver Date 7/27/94
Paul R. Beaver, 200-BP-1 Unit Manager, EPA (B5-01)

APPROVAL: Nancy Uziemblo Date 9/2/94
Nancy Uziemblo, 200-BP-1 Unit Manager, WA Department of Ecology

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Meeting Minutes are attached. Minutes are comprised of the following:

Attachment #1	-	Meeting Summary/Summary of Commitments and Agreements
Attachment #2	-	Attendance List
Attachment #3	-	Agenda for the Meeting
Attachment #4	-	Status of Action Items
Attachment #5	-	Preliminary Drawings for the Definitive Design of the Modified RCRA Barrier

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Prepared by: Kay Kimmel Date: 7-27-94
Kay Kimmel, Jim Consort, GSSC (B1-42)

Concurrence by: Mark A. Buckmaster Date: 7/27/94
Mark Buckmaster, BHI RI Coordinator (H6-03)

DEC 1994
RECEIVED
EDMC

Attachment #1

Meeting Summary and Summary of Commitments and Agreements
Unit Manager's Meeting: 200-BP-1 Operable Unit
June 30, 1994

1. SIGNING OF THE PREVIOUS 200-BP-1 MEETING MINUTES:

Minutes from the previous meeting were reviewed and approved with no changes.

2. ACTION ITEM UPDATE: (See Attachment 4 for status)

2BP1.56 Still being pursued.
Paul Beaver

3. NEW ACTION ITEMS (INITIATED June 30, 1994):

No new action items open.

4. INFORMATION ITEMS:

- Status of Activities for 200-BP-1 - Mark Buckmaster presented the status of activities for the 200-BP-1 Operable Unit (see Attachment #3). Additional information is noted below:

- **Prototype Barrier Status** - Mark Buckmaster presented the status of activities on the prototype barrier. He indicated there are some differences between this barrier and the Hanford Barrier.

- **Modified RCRA Barrier** - M. Buckmaster presented preliminary drawings for the Definitive Design of the Modified RCRA Barrier (see Attachment #5). The design raised the issue of institutional controls. Any waiver to the length of time institutional controls would be in effect would require justification. The intent is to prevent intruders into the burial ground.

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Attachment #2

200-BP-1 Operable Unit Manager's Meeting
Official Attendance Record
June 30, 1994

Please print clearly and use black ink

PRINTED NAME	ORGANIZATION	O.U. ROLE	TELEPHONE
M.A. Buckmaster	WHC	RI Coor	376-1792
ABRAHAM TAYAR	D&M	GSSC	946-3690
Kevin Pollett	Dames & Moore	GSSC	946-3690
Kay Kimmel	MACTEC/D&M	RL Support	509 946 3692
Jennifer Young	DOE-RL	RL	376-7044
Ted Wooley	Ecology	EX	736-3012
Paul Beaver	EPA	UM	376-8665
James Conant	Dames & Moore/MACTEC	GSSC	946 3694
Richard Carlson	WHC	200 Area	376-9027
Gary Freedman	Ecology	UM	736 3026
GEORGE C. HENCKEL III	WHC	200 Area Source Invest. /Remediation	376-1994
Kenneth R Porter	IT Hanford	200 Area	372-9022
Diana Sickle	WHC	Program Support	372-3141

Attachment #3

200-BP-1 UNIT MANAGERS MEETING AGENDA
JUNE 30, 1994
2440 STEVENS, ROOM 1600

Action Items:

2BP1.56 Provide RL the barrier design requirements associated with the RCRA modified barrier to assure RL that the RCRA modified barrier currently being designed for construction in 1995 is acceptable. Action: Paul Beaver (5/26/94)

Waste Disposal:

- o Packing of equipment and samples has been completed. Shipment of burial boxes to the Low-Level Burial ground will be completed by the end of this week.

Prototype Barrier Status:

- o Basalt layer is scheduled to be completed this week.
- o Placement of the gravel filter will begin next week.
- o Draft Constructability Report-Milestone Deliverables
  - Draft report on July 31, 1994 (M-15-02E) will contain data collected as of July 1, 1994 (Basalt layer).
  - Final report will be completed approximately 1 month after completion of the prototype barrier (approximately September 1994).

Modified RCRA Barrier

- o Definitive design - Preliminary drawings

Proposed Plan:

- o Public comment schedule?
- o ROD Date?

Attachment #4

Action Item Status List

Unit Manager's Meeting: 200-BP-1 Operable Unit
June 30, 1994

ITEM NO.	ACTION	STATUS
2BP1.56	Provide to RL the barrier design requirements associated with the RCRA Modified Barrier to assure RL that the RCRA Modified Barrier currently being designed for construction in 1995 is acceptable. Action: Paul Beaver.	Open 05/26/94.

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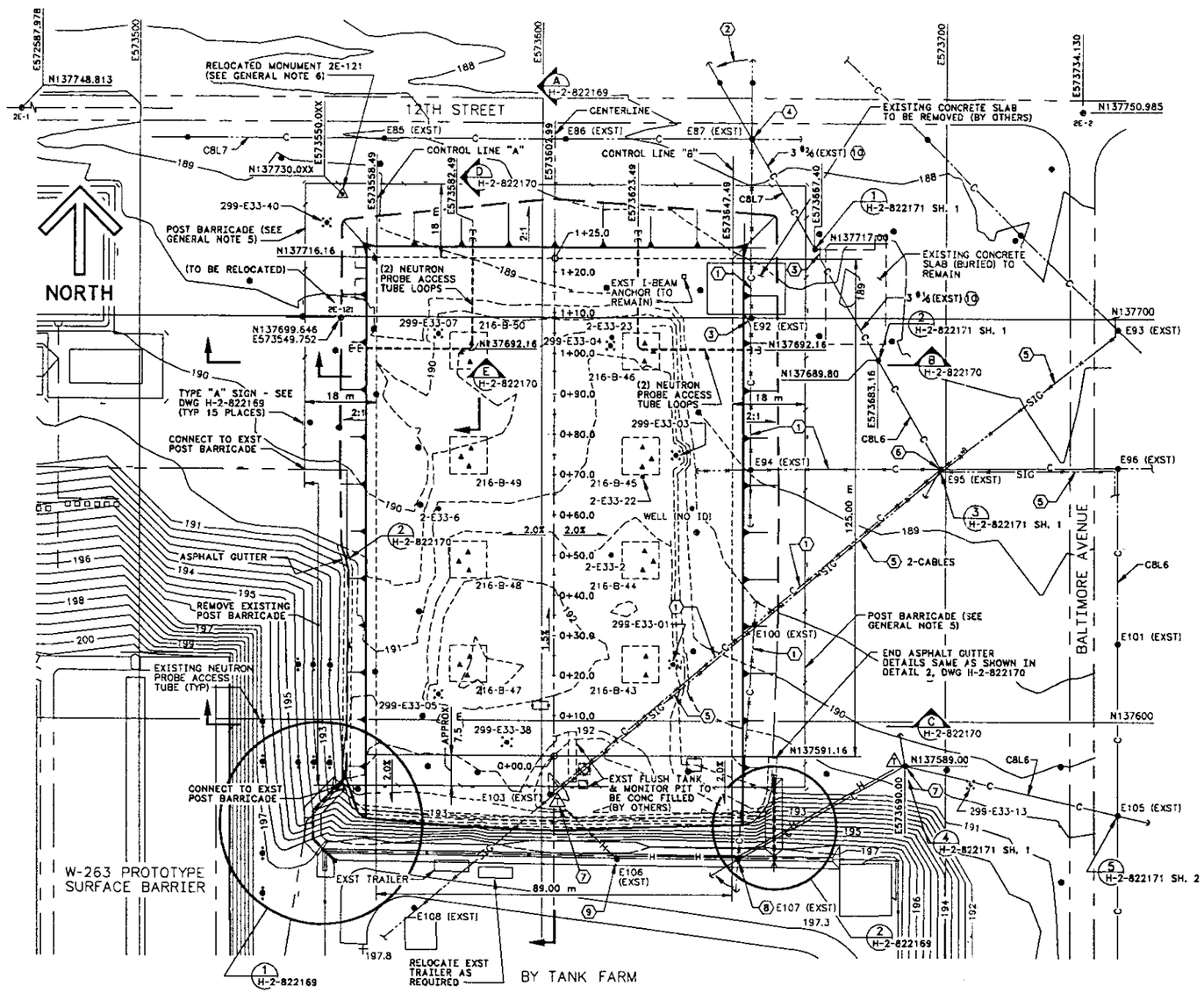
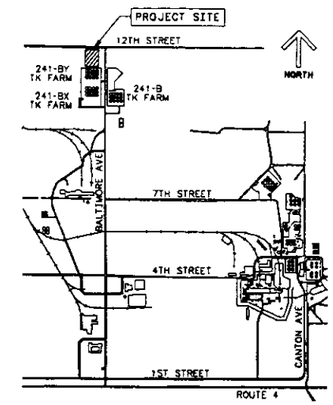
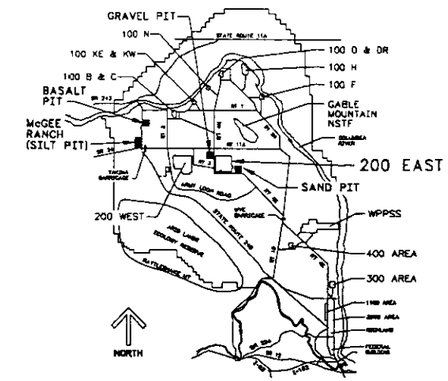


SITE PREPARATION AND FINAL PLAN

SCALE: 1:500



200 EAST AREA MAP



HANFORD AREA MAP

LEGEND

LAMBERT GRID COORDINATE (IN METERS)	N137600
CONTROL MONUMENT	●
PERMANENT SURVEY MONUMENT ± 0.5 m	△
BURIAL MARKER POST	●
BOREHOLE MARKER	▲
WELL CASING	●
GUARD POST	•
RADIATION ZONE BOUNDARY (SURFACE CONTAMINATION)	—
SLOPE DIRECTION	——→
POWER POLE	●
GUY ANCHOR	——→
13.8 KV ELEC TRANSMISSION LINE	—C—
EXISTING ELECTRICAL LINES	—·—·—
SIGNAL LINES	—SIG—
120/240 VOLT, 1 PH, 3 WIRE CIRCUIT CABLES	—H—
EXISTING ELECTRICAL LINES TO BE REMOVED	—·—·→
EXISTING POLE MOUNTED TRANSFORMER	△
ELECTRICAL NOTE	⬡

GENERAL NOTES

1. CODES AND STANDARDS: BASED ON THE APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS OR STANDARDS (ARARS) REQUIREMENT OF SECTION 121 OF THE COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT (CERCLA). THE DESIGN IS BASED ON CONFORMANCE TO THE TECHNICAL REQUIREMENTS OF 40 CFR 191 AND 10 CFR 61, THOUGH THESE REGULATIONS ARE NOT DIRECTLY APPLICABLE.
2. ELEVATIONS SHOWN ARE METERS ABOVE MEAN SEA LEVEL. CONTOUR INTERVAL = 0.5 METERS
3. DIMENSIONAL TOLERANCES ARE AS FOLLOWS (UNLESS NOTED):

EXAMPLE	ACCURACY
WITHOUT DECIMAL - 25 m 75 mm	± 0.5 m ± 5 mm
SINGLE DECIMAL PLACE - 5.0 m	± 0.1 m
TWO DECIMAL PLACES - 1.00 m	± 0.03 m
THREE DECIMAL PLACES - 1.020 m	± 0.010 m

4. EXISTING CRIB NUMBERS: 216-B-XX
5. POST BARRICADE: COMMERCIAL GALV STEEL FENCE POSTS T-SECTION 35mm x 35mm x 3mm x 1.8m LONG. MINIMUM SPACING APPROX 6m W/ STEEL SINGLE JACK CHAIN (TRADE NO. 10 GALV) ATTACHED TO POSTS W/ WIRE CLIPS OR HOG RINGS. DRIVE POSTS 0.6± m INTO GROUND.
6. RELOCATE PERMANENT SURVEY MONUMENT 2E-121 AS SHOWN AND AS PER WSDOT M21-01 STANDARD PLAN H-6 EXCEPT USE STANDARD BLANK BRASS CAP. CAP TO HAVE DEEPLY ETCHED OR STAMPED 5mm HIGH LETTERING THE FOLLOWING:

   LAMBERT GRID WA STATE 83 SOUTH
   NXXXXXX.XXX
   WXXXXXX.XXX

   ELEVATION XXX.XXX MSL

   NOTE: THE X's SHALL BE THE NUMBERS APPLICABLE TO AS BUILT MONUMENT LOCATION, IN METERS
7. EXISTING WELL RISERS LOCATED WITHIN THE LIMITS OF THE BARRIER SHALL BE PLUGGED AND ABANDONED BY OTHERS.
8. ELECTRICAL WORK IS NOT IN THIS CONTRACT.

ELECTRICAL NOTES

1. REMOVE EXISTING 13.8 KV POWER CABLES WHERE INDICATED. REMOVE EXISTING POLE NOS E92, E94, E100 AND E103.
2. RELOCATE EXISTING GUY, GUY POLE AND ANCHOR TO BE IN LINE WITH NEW OVERHEAD CABLES AS SHOWN. EXTEND EXISTING GUY CABLE AS REQUIRED WITH NEW GUY CABLE. (ITEM NO. 19, DRAWING H-2-822171 SH 1)
3. RELOCATE EXISTING SECTIONALIZING SWITCH TO NEW POLE. RECONNECT CABLES TO MAINTAIN SAME PHASE SEQUENCE BETWEEN THE CABLES FOR 13.8 KV CIRCUITS C8L7 AND C8L6 AS EXISTS AT THE SWITCH ON POLE E92.
4. ROTATE EXISTING DEADEND INSULATORS APPROXIMATELY 30 DEGREES AROUND EXISTING POLE TO LINE UP WITH NEW OVERHEAD CABLES.
5. REMOVE EXISTING SIGNAL CABLES (2) FROM EXISTING POLE E108 TO POLES E93 AND E96. CUT AND TAPE CABLE ENDS AND SECURE AT THE POLES MENTIONED.
6. REMOVE EXISTING CROSSARMS AND GUYS FROM EXISTING POLE E95. RESTRUCTURE POLE AS SHOWN ON DETAIL 3.
7. RELOCATE EXISTING 10 KVA TRANSFORMER, MOUNTING BRACKETS, DISTRIBUTION POWER FUSES, FUSE SUPPORT CROSSARM AND MOUNTING HARDWARE TO NEW POLE (DETAIL 4).
8. ROTATE EXISTING CROSSARMS ON POLE TO LINE UP WITH NEW 13.8 KV AERIAL CABLES. MAINTAIN SAME PHASE ROTATION ON THE NEW CONDUCTORS AS EXISTS ON THE EXISTING CONDUCTORS. RELOCATE GUY WIRE AND ANCHOR TO LINE UP WITH THE DIRECTION OF THE TENSION ON THE POLE. PROVIDE A MESSENGER SUPPORT HANGER ON POLE FOR THE LOW VOLTAGE AERIAL CABLE.
9. CONNECT NEW LOW VOLTAGE AERIAL CABLE TO EXISTING FLOOD LIGHTS AT THE WEATHERHEAD.
10. REUSE EXISTING CONDUCTORS REMOVED BETWEEN POLES E87, E92, E94 AND E95.

DRAWING LIST

DWG. NO.	INDEX	BLDG. NO.	TITLE
H-2-822168	0110/8001	216-B-43-50	CIVIL/ELEC - SITE PLAN - 216-B-43 TO 50 BARRIER
H-2-822169	0110.	216-B-43-50	CIVIL - SECTION AND DETAILS - 216-B-43 TO 50 BARRIER
H-2-822170	0110	216-B-43-50	CIVIL - SECTION AND DETAILS - 216-B-43 TO 50 BARRIER
H-2-822171 SH 1	8003	2503E	ELECTRICAL - POLE DETAILS
H-2-822171 SH 2	8003	2503E	ELECTRICAL - POLE DETAILS

SPECIFICATIONS

W403-C1	CONSTRUCTION SPECIFICATION

PRELIMINARY

H-13-000278 SH. 1	200 EAST AREA ELEC UTILITIES POWER POLE MAP
H-13-000079 SH. 1	200 EAST AREA ELEC UTILITIES DISTRIBUTION MAP

DRAWING TRACEABILITY LIST

REV NO.	DESCRIPTION	REV BY DATE	NCN APPROVALS	APPR FOR IMPLEMENT FOR DATE
2		06/24/94		

REVISIONS

APPROVED FOR IMPLEMENTATION BY WHC DATE

CAD FILE B822168A CAD CODE 2J:IBM:ACD2:12.0:NN WRITY N

DESIGNED: KA SCHMIDT DATE SAFETY CLASS 3 CIT

DRAWN BY: CHECKED: SAFETY: SEE DR/AT FORM DRAWN: SEE DR/AT FORM DRAS. DRAWN: SEE DR/AT FORM LEAD CHEM:

USE PRELIMINARY

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

CIVIL/ELEC
SITE PLAN
216-B-43 TO 50 BARRIER

PROJECT 200-BP-1 MODIFIED RCRA BARRIER

SIZE	DWG. NO.	CHRG NO.	CODE NO.	REV NO.
F	2503E 43-50	0110 8001	H-2-822168	0

SCALE SHOWN USE NO. ER5408 SHEET 1 OF 1

PLOT SCALE: 1=1 KEHCAD

Attachment #5

Page 1 of 3

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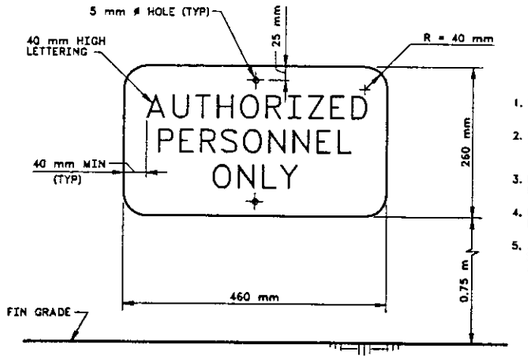
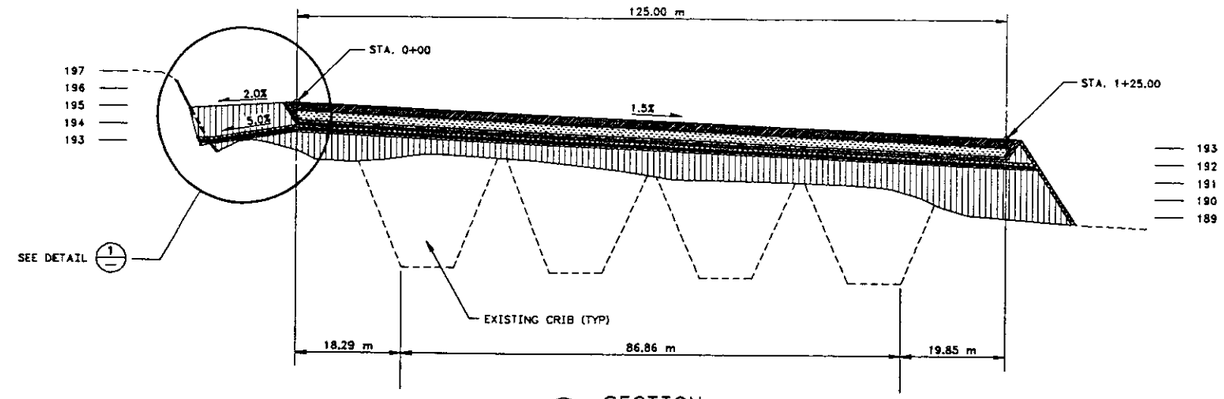


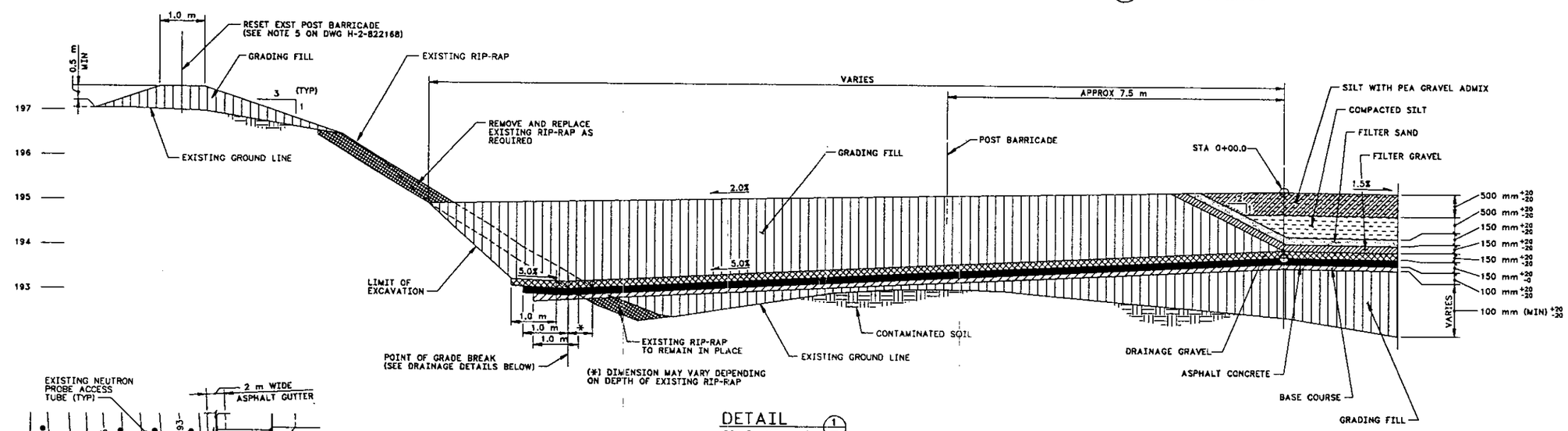
DETAIL - TYPE A SIGN
SCALE: 1:4

NOTES:

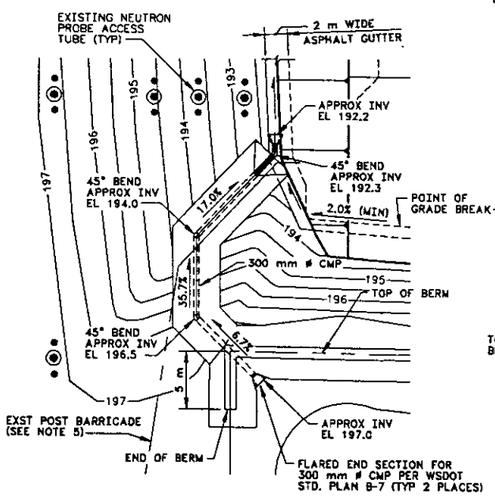
1. FABRICATE SIGN PER WSDOT M41-10 SECTION 9-28.2.
2. LETTERS IN ACCORDANCE WITH USDOT STANDARD HIGHWAY SIGNS MANUAL, STANDARD ALPHABET. ALL CAPS.
3. LETTERS SHALL BE BLACK (NON-REFL) BACKGROUND SHALL BE WHITE (REFL)
4. MOUNT ONE TYPE A SIGN ON EVERY 5TH FENCE POST AROUND BARRICADE.
5. ATTACH TO FENCE POSTS WITH ZINC-PLATED STEEL THREAD CUTTING SCREWS (OR BOLTS) AND WASHER.



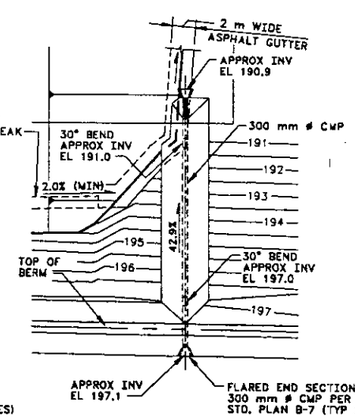
A SECTION
H-2-822168 SCALE: NONE



DETAIL 1
SCALE: 1:40



DETAIL 1
SCALE: 1:200 H-2-822168



DETAIL 2
SCALE: 1:200 H-2-822168

DRAINAGE NOTES:

1. PLACE 300 mm ø CMP AND NECESSARY BENDS AND/OR FITTINGS ON EXISTING GRADE.
2. LOWER FLARED END SECTIONS AND ASSOCIATED PIPING SHALL BE PLACED ON TOP OF THE PROPOSED ASPHALT GUTTERS AS SHOWN.
3. ADDITIONAL FITTINGS OTHER THAN THOSE SHOWN, MAY BE REQUIRED.
4. AFTER PLACEMENT OF CMP AND FITTINGS, COVER PIPE WITH A MINIMUM OF 150 mm OF GRADING FILL AND SLOPE SIDES AT 3:1.
5. RESET EXISTING POST BARRICADES TO THEIR PREVIOUS LOCATIONS AFTER PLACEMENT OF CMP AND GRADING FILL. RESET IN ACCORDANCE WITH GENERAL NOTE 5 ON DRAWING H-2-822168.

PRELIMINARY

#5/Page 2 of 3

DESIGNED KA SCHMIDT	SAFETY CLASS 3	USE PRELIMINARY	
DRAWN		EDT	
CHECKED		U.S. DEPARTMENT OF ENERGY RICHLAND OPERATIONS OFFICE ICF KAISER HANFORD COMPANY	
SAFETY SEE DR/AT FORM		CIVIL	
DRVR SEE DR/AT FORM		SECTION AND DETAILS 216-B-43 TO 50 BARRIER	
DWG CHKR SEE DR/AT FORM			
LEAD CHKR			
REVISION NO. 2	06/24/1994	PROJECT 200-BP-1 MODIFIED RCRA BARRIER	
APPROVED FOR IMPLEMENTATION BY		SIZE F	BLDG NO. 216-B-43 / 216-B-50
FOR WHC	DATE	SCALE SHOWN	DWG NO. H-2-822169
		JOB NO. ER5408	REV NO. 0
		SHEET 1 OF 1	

NUMBER	TITLE	NUMBER	TITLE

DRAWING TRACEABILITY LINE — NEXT USED ON — REFERENCES

NO	REV NO.	DESCRIPTION	REV BY DATE	NEW APPROVALS	APVD FOR IMPLEMENTATION FOR DATE
		REVISIONS			

CAD FILE B822169A — CAD CODE 2J:IBM:ACD2:12.0:NN — UNITS N

2 PLOT SCALE: 1=1 — KEHCAD — 1

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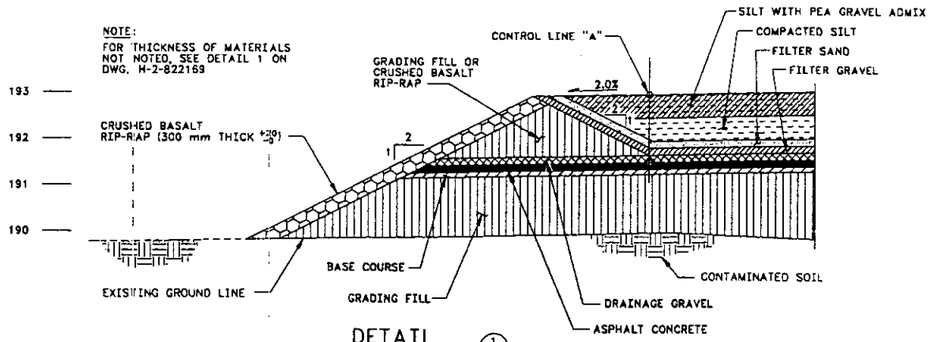
NOTE:
FOR THICKNESS OF MATERIALS NOT NOTED, SEE DETAIL 1 ON DWG. H-2-822169



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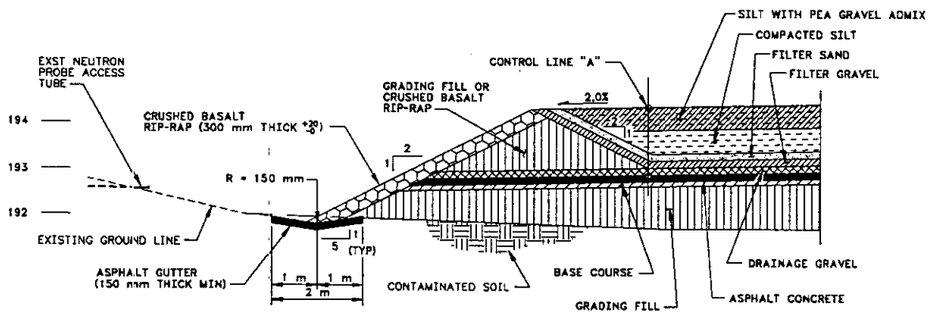

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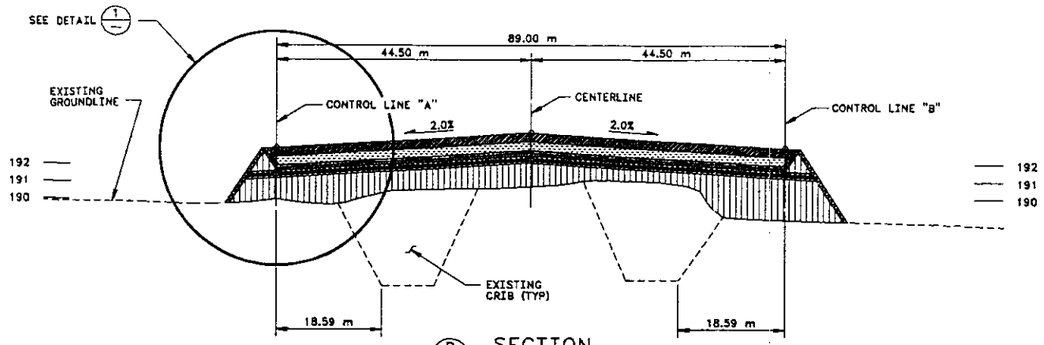

B SECTION
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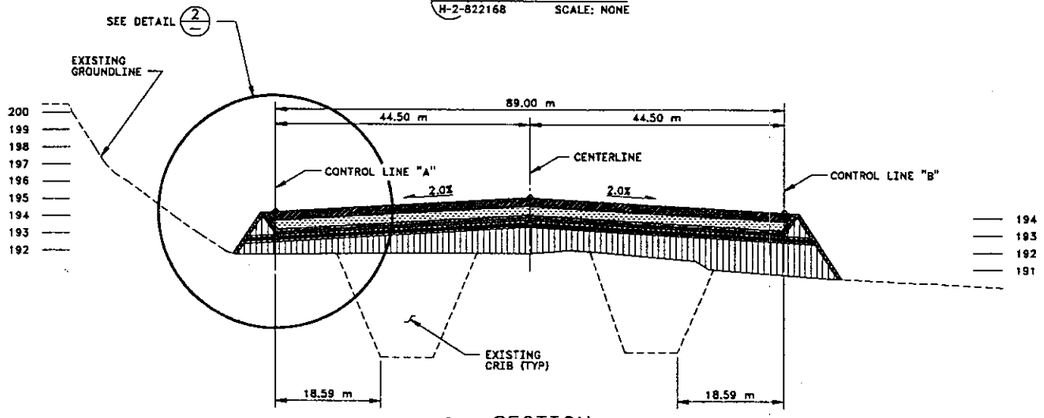
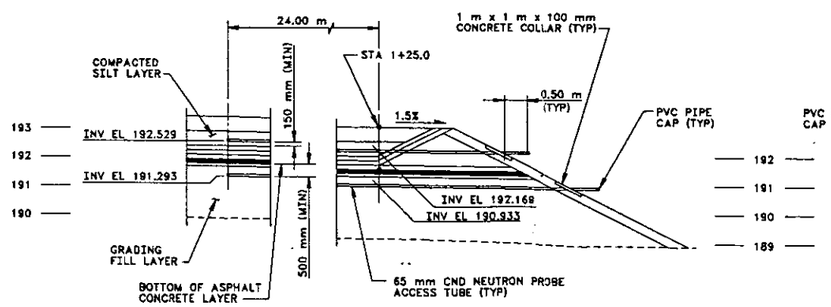


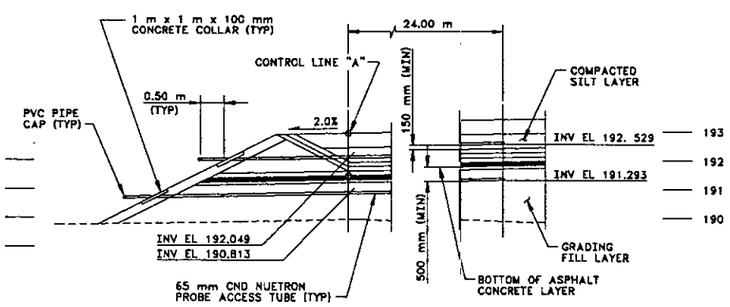
C SECTION
H-2-822168 SCALE: NONE

TABLE OF ELEVATIONS						
STATION	CONTROL LINE "A"		CENTERLINE		CONTROL LINE"B"	
	TOP OF ASPHALT	FINISH GRADE	TOP OF ASPHALT	FINISH GRADE	TOP OF ASPHALT	FINISH GRADE
0+00.0	192.980	194.43	193.870	195.32	192.980	194.43
0+10.0	192.830	194.28	193.720	195.17	192.830	194.28
0+20.0	192.680	194.13	193.570	195.02	192.680	194.13
0+30.0	192.530	193.98	193.420	194.87	192.530	193.98
0+40.0	192.380	193.83	193.270	194.72	192.380	193.83
0+50.0	192.230	193.68	193.120	194.57	192.230	193.68
0+60.0	192.080	193.53	192.970	194.42	192.080	193.53
0+70.0	191.930	193.38	192.820	194.27	191.930	193.38
0+80.0	191.780	193.23	192.670	194.12	191.780	193.23
0+90.0	191.630	193.08	192.520	193.97	191.630	193.08
1+00.0	191.480	192.93	192.370	193.82	191.480	192.93
1+10.0	191.330	192.78	192.220	193.67	191.330	192.78
1+20.0	191.180	192.63	192.070	193.52	191.180	192.63
1+25.0	191.110	192.56	192.000	193.45	191.110	192.56



D SECTION
H-2-822168 SCALE: NONE

NOTE:
ACCESS TUBE PLACEMENT DETAILS SHOWN ARE LOCATED NEAR EXISTING CRIB 216-B-50. ACCESS TUBES REQUIRED NEAR EXISTING CRIB 216-B-46 ARE SAME AND OPPOSITE HAND.



E SECTION
H-2-822168 SCALE: NONE

PRELIMINARY

DESIGNER KA SCHMIDT	DATE	SAFETY CLASS 3	USE PRELIMINARY
DESIGN ENGR			EDIT
CHECKER		U.S. DEPARTMENT OF ENERGY RICHLAND OPERATIONS OFFICE ICF KAISER HANFORD COMPANY	
SAFETY SEE DR/AT FORM		CIVIL SECTIONS AND DETAILS 216-B-43 TO 50 BARRIER	
ENVIR SEE DR/AT FORM			
QUAL ENGR SEE DR/AT FORM			
LEAD ENGR			
REVISION NO. 2	06/24/1994	PROJECT 200-BP-1 MODIFIED RCRA BARRIER	
APPROVED FOR IMPLEMENTATION BY		SCALE F	PLAN NO. 216-B 33-50
FOR WHC	DATE	DWG NO. Q110	DWG NO. H-2-822170
		SCALE SHOWN	REV NO. 0
		DWG NO. ER5408	SHEET 1 OF 1

MARKER	TITLE	MARKER	TITLE
DRAWING TRACEABILITY LIST		REFERENCES	

NO	DATE	DESCRIPTION	REV BY DATE	KEH APPROVALS	APVD FOR IMPLEMENT FOR DATE
		REVISIONS			

CAD FILE B822170A CAD CODE 2J:IBM:AC02:12.0:NN GRID'S N

PLOT SCALE: 1=1 KEHCAD

#5/Page 3 of 3

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Distribution

Unit Manager's Meeting: 200-BP-1 Operable Unit
June 30, 1994

Donna Wanek . . . . . DOE-RL, ERD (A5-19)
Mary Harmon . . . . . DOE-HQ (EM-442)
Richard Person . . . . . DOE-HQ (EM-442)

Paul Beaver . . . . . 200-BP-1 Operable Unit Manager, EPA (B5-01)
Brian Drost, USGS . . . . . Support to EPA
Jeffrey Ross, PRC . . . . . Support to EPA

Nancy Uziemblo . . . . . 200-BP-1 Operable Unit Manager, WDOE (Kennewick)
Larry Goldstein . . . . . WDOE (Lacey)

Lynn Albin . . . . . Washington Dept. of Health

Joe Zoghbi . . . . . BHI (H4-79)
Mark Buckmaster . . . . . BHI (H6-01)
Diana Sickle . . . . . BHI (H6-27)
200-BP-1 RI Project File . . . . . (H6-08)
Doug Dunster . . . . . Golder Associates, Support to BHI
Kay Kimmel . . . . . MAC (B1-42)
R. Scott Hajner . . . . . BHI (H4-79)
Andrea Hopkins . . . . . BHI (H4-79)
Tom Page (Please route to:) . . . . . PNL (K1-31)

Cheryl Thornhill	PNL (K1-19)	Steve Slate	PNL (K1-19)
Mark Hanson	PNL (K1-51)	Bill Stillwell	PNL (K1-30)
Roy Gephart	PNL (K1-22)	Ben Johnson	PNL (K1-78)

Ralph O. Patt . . . . . Oregon Water Resources Department

Original Sent To: ADMINISTRATIVE RECORD: 200-BP-1; Care of EPIC, WHC (H6-08)

This list has been updated. Please inform Kay Kimmel (946-3692) of Mactec/Dames & Moore (B1-42) of deletions or additions to the distribution list.