


- LEGEND:**
- REGRADED CONTOURS
 - EMBANKMENT ROAD
 - PERIMETER FENCE
 - PIPELINE
 - POWER LINE
 - ORE BODIES

United States Nuclear Regulatory Commission Official Hearing Exhibit			
In the Matter of:		POWERTECH USA, INC. (Dewey-Burdock In Situ Uranium Recovery Facility)	
	ASLBP #:	10-898-02-MLA-BD01	
	Docket #:	04009075	
	Exhibit #:	NRC-141-E-00-BD01	
	Admitted:	8/19/2014	
	Rejected:		
	Other:		
		Identified:	8/19/2014
		Withdrawn:	
		Stricken:	

NOTES:

1. SCALE BAR MEASURES 3" ON A FULL SIZE PLOT (ANSI-D) AND 1.5" ON A HALF SIZE PLOT (ANSI-B).

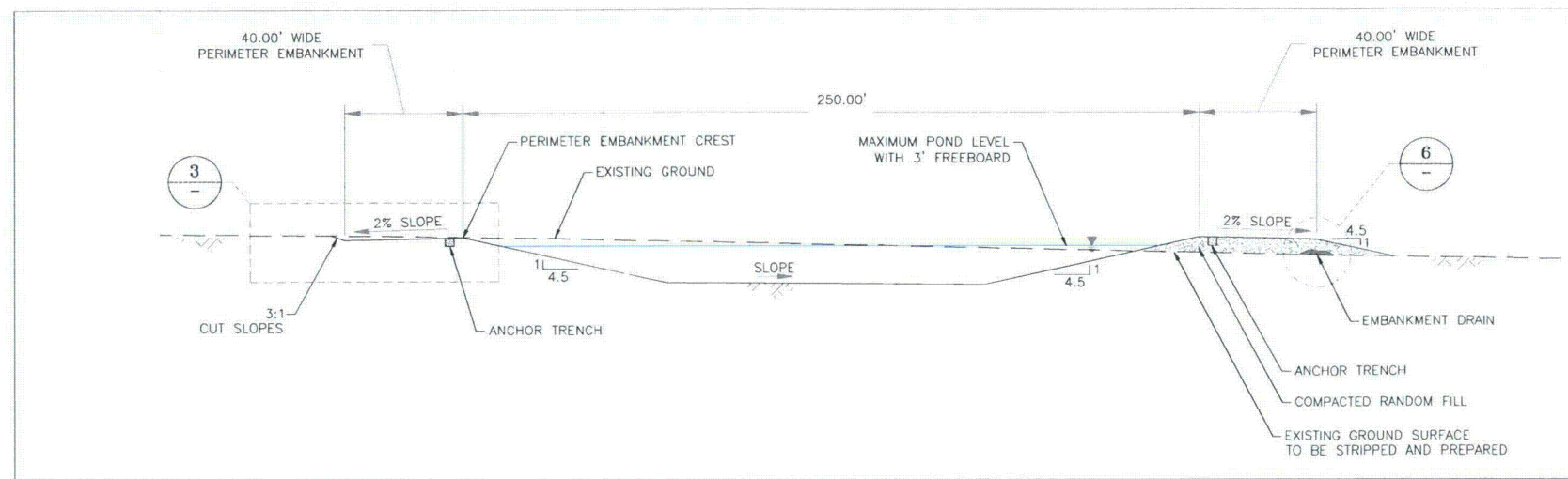
PLAN - BURDOCK PLANT SITE

1" = 100' AT FULL SIZE (ANSI D)
1" = 200' AT HALF SIZE (ANSI B)

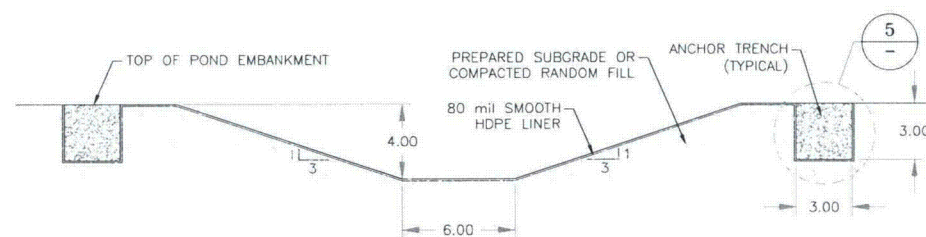
CLIENT	POWERTECH (USA) Inc.				
PROJECT	DEWEY-BURDOCK PROJECT				
TITLE	DEEP WELL DISPOSAL BURDOCK PLANT SITE FLOW DIAGRAM				
<div>Knight Piésold CONSULTING</div>					
DESIGNED BY	SI	LOCATION	PROJECT NUMBER	FIGURE NUMBER	REVISION
DRAWN BY	RJB	DV-102	279-05	4.3-2	B
ACTIVITY CODE	N/A	SHEET NUMBER	N/A		

REFERENCE:
Existing ground surface generated from contours received from
Powergen (USA) Inc. and dated 11 December 2009

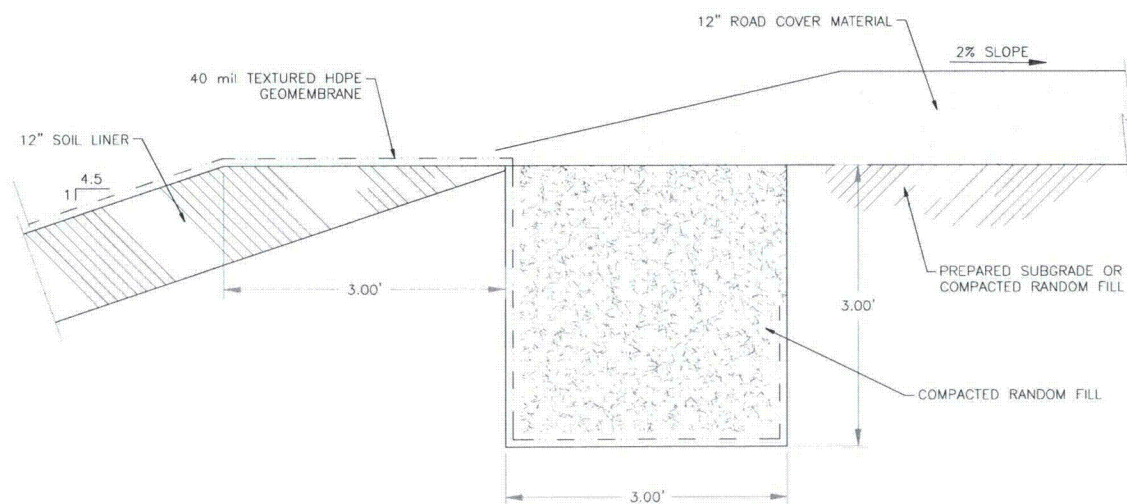
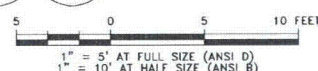
LAST SAVED BY: RBOWLING
G:\102\00279\05\CAD\CAD Dept\Figures\Figure 4-3-2.dwg



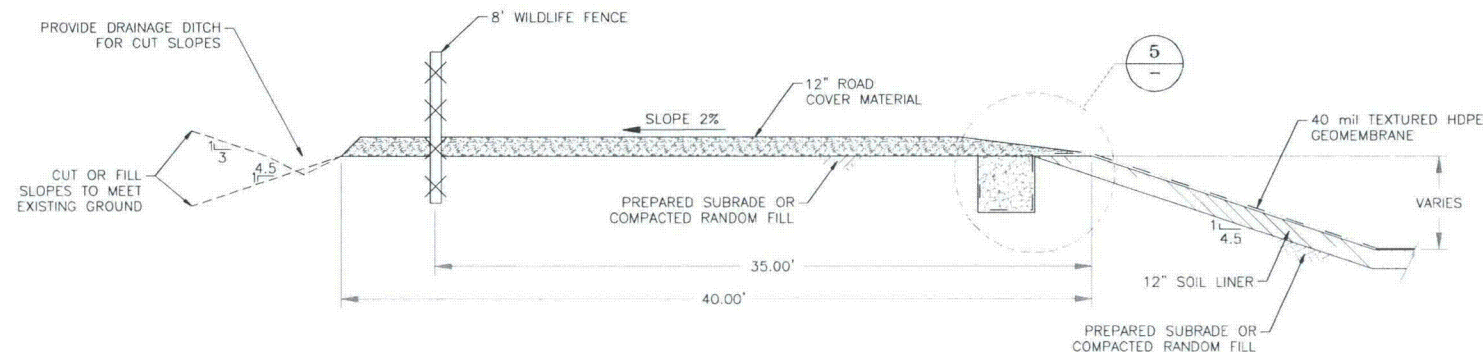
1 1 SURGE POND DETAIL
4.2-2 4.2-4 TYPICAL OF SINGLE LINED PONDS



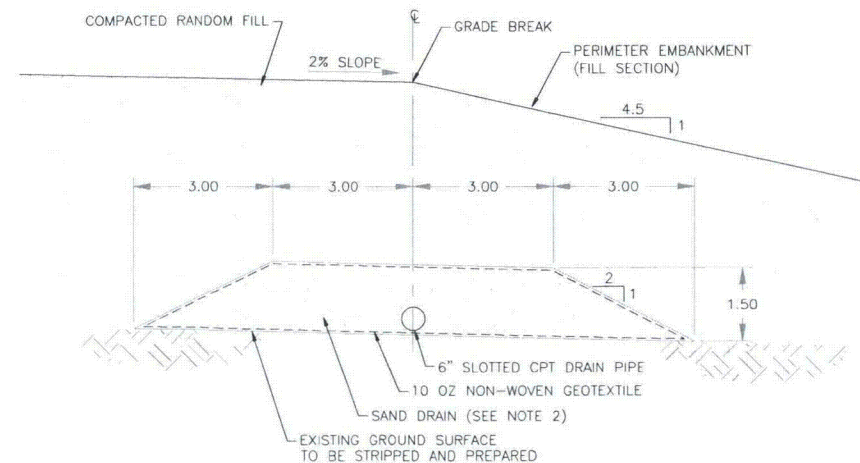
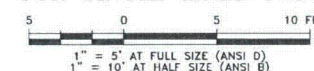
7 7 SPILLWAY DETAIL
4.2-1 4.2-3



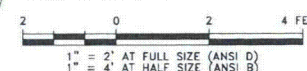
5 LINER ANCHOR TRENCH DETAIL
FOR SINGLE LINED PONDS



3 POND EMBANKMENT DETAIL
FOR SINGLE LINED PONDS



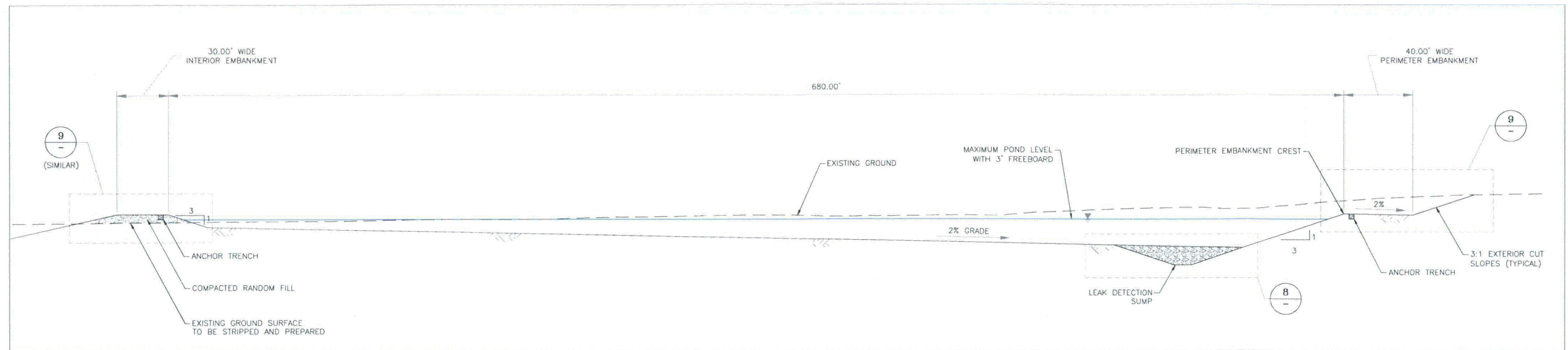
6 EMBANKMENT DRAIN DETAIL



NOTES:

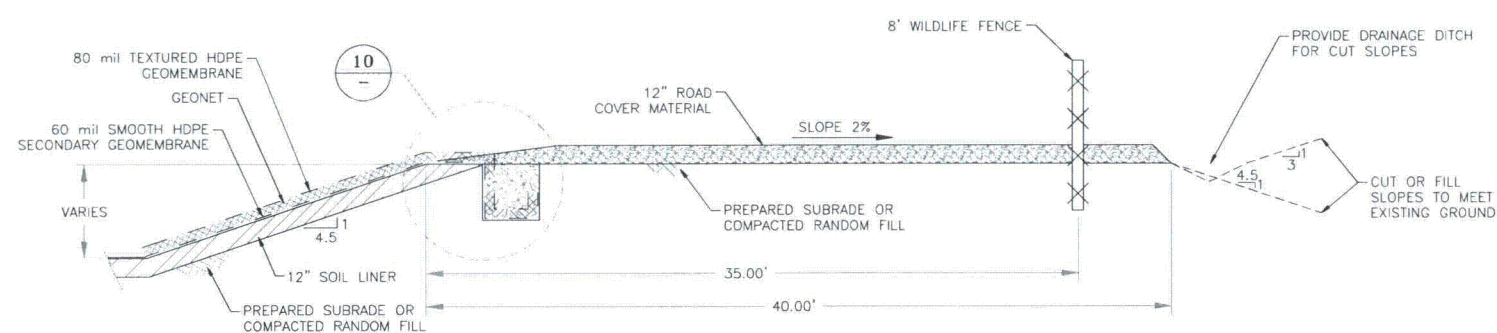
1. SCALE BAR MEASURES 3" ON A FULL SIZE PLOT (ANSI-D) AND 1.5" ON A HALF SIZE PLOT (ANSI-B).
2. TEXTURING OF PRIMARY GEOMEMBRANE IS AT SURFACE.
3. EMBANKMENT DRAINS TO BE CONSTRUCTED BENEATH ALL FILL EMBANKMENTS.

CLIENT	POWERTECH (USA) Inc.				
PROJECT	DEWEY-BURDOCK PROJECT				
TITLE	DEEP WELL DISPOSAL TYPICAL POND SECTIONS AND DETAILS SHEET 1 OF 2				
<i>Knight Piésold</i> CONSULTING					
DESIGNED BY	ST	LOCATION	PROJECT NUMBER	FIGURE NUMBER	REVISION
DRAWN BY	RJB	DV-102	279-05	4.5-1	B
ACTIVITY CODE	N/A	*REF NUMBER	N/A		



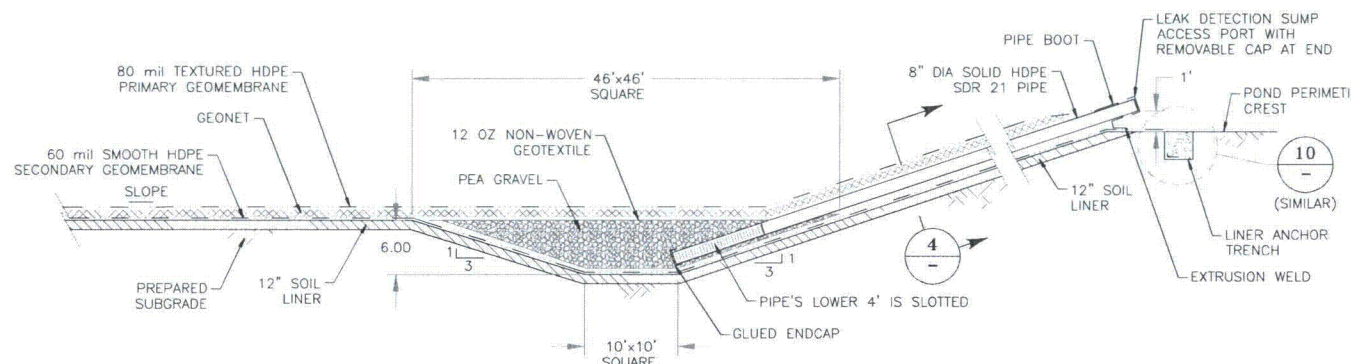
2 2 RADIUM SETTLING POND DETAIL
4.2-2 4.2-4 TYPICAL OF DOUBLE LINED PONDS

30 0 30 60 FEET
1" = 30' AT FULL SIZE (ANSI D)
1" = 60' AT HALF SIZE (ANSI B)



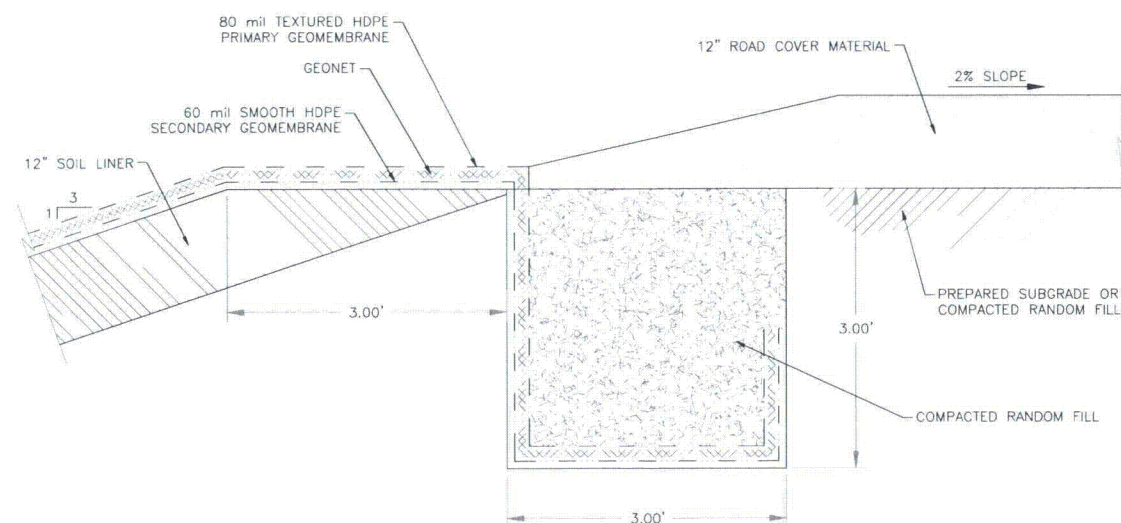
9 POND EMBANKMENT DETAIL
FOR DOUBLE LINED PONDS

5 0 5 10 FEET
1" = 5' AT FULL SIZE (ANSI D)
1" = 10' AT HALF SIZE (ANSI B)



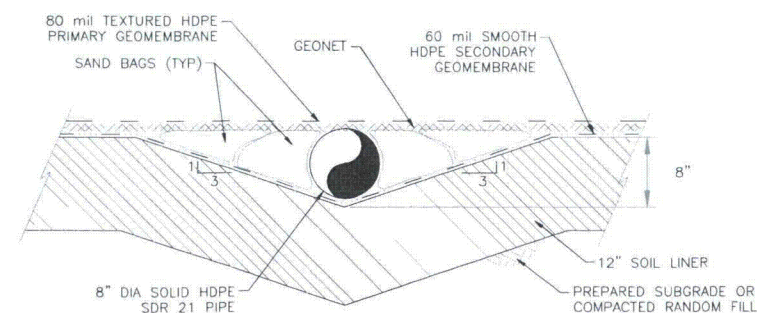
8 8 LEAK DETECTION SUMP AND ACCESS PORT DETAIL
4.2-2 -

10 0 10 20 FEET
1" = 10' AT FULL SIZE (ANSI D)
1" = 20' AT HALF SIZE (ANSI B)



10 ANCHOR TRENCH AND LINER DETAIL
FOR DOUBLE LINED PONDS

1 0 1 2 FEET
1" = 1' AT FULL SIZE (ANSI D)
1" = 2' AT HALF SIZE (ANSI B)



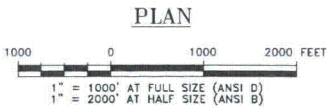
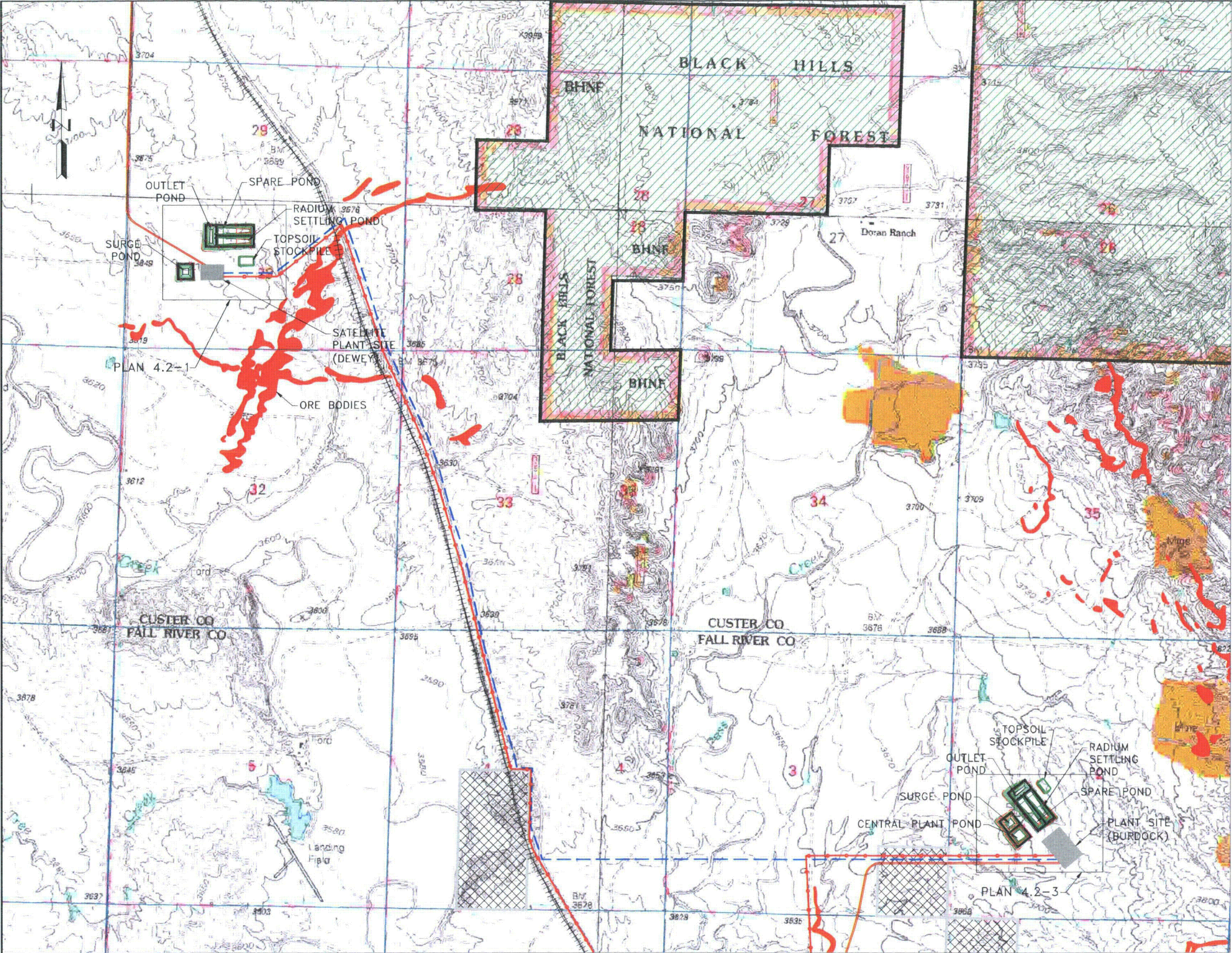
4 LEAK DETECTION SUMP ACCESS PORT DETAIL

1 0 1 2 FEET
1" = 1' AT FULL SIZE (ANSI D)
1" = 2' AT HALF SIZE (ANSI B)

NOTES:

- SCALE BAR MEASURES 3" ON A FULL SIZE PLOT (ANSI-D) AND 1.5" ON A HALF SIZE PLOT (ANSI-B).
- EMBANKMENT DRAINS TO BE CONSTRUCTED BENEATH ALL FILL EMBANKMENTS.

CLIENT	POWERTECH (USA) Inc.				
PROJECT	DEWEY-BURDOCK PROJECT				
TITLE	DEEP WELL DISPOSAL TYPICAL POND SECTIONS AND DETAILS SHEET 2 OF 2				
<div><i>Knight Piésold</i> CONSULTING</div>					
DESIGNED BY	ST	LOCATION	PROJECT NUMBER	FIGURE NUMBER	REVISION
DRAWN BY	RJB	DV-102	279-05	4.5-2	B
ACTIVITY CODE	N/A	XREF NUMBER	N/A		



LEGEND:

- REGRADED CONTOURS
- EXISTING ROAD
- NEW ROADS
- RAILROAD
- POWER LINE
- PIPELINE
- EXISTING STREAM
- ORE BODIES
- NATIONAL FOREST
- BLM AREAS

NOTES:

1. SCALE BAR MEASURES 3" ON A FULL SIZE PLOT (ANSI-D) AND 1.5" ON A HALF SIZE PLOT (ANSI-B).

CLIENT	POWERTECH (USA) Inc.				
PROJECT	DEWEY-BURDOCK PROJECT				
TITLE	DEEP WELL DISPOSAL SITE PLAN				
<div><i>Knight Piésold</i> CONSULTING</div>					
DESIGNED BY	ST/DJB	LOCATION	PROJECT NUMBER	FIGURE NUMBER	REVISION
DRAWN BY	DJB	DV-102	279-05	4.6-1	B
ACTIVITY CODE	N/A	REL. NUMBER	N/A		

Plates

**THIS PAGE IS AN OVERSIZED
DRAWING OR FIGURE,
THAT CAN BE VIEWED AT THE RECORD
TITLED:**

**DRAWING NO. Plate 317,
“Isopach of the Uper Confining Graneros Unit
(Mowry and Skull Creek Shales)”**

**WITHIN THIS PACKAGE... OR
BY SEARCHING USING THE
DOCUMENT/REPORT NO.
Plate 317**

D-01

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DRAWING NO. Plate 335,
“Land Application Cross Sections Burdock”**

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Plate 335**

D-02

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**DRAWING NO. Plate 337,
“Facilities Cross Section Index”**

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Plate 337

D-03

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**DRAWING NO. Plate 338,
“Land Application Cross Sections Dewey”**

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DOCUMENT/REPORT NO.
Plate 338**

D-04