


## Figures

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-C-00-BD01
	Admitted: 8/19/2014
	Rejected:
Other:	Identified: 8/19/2014 Withdrawn: Stricken:















INDEX OF FIGURES

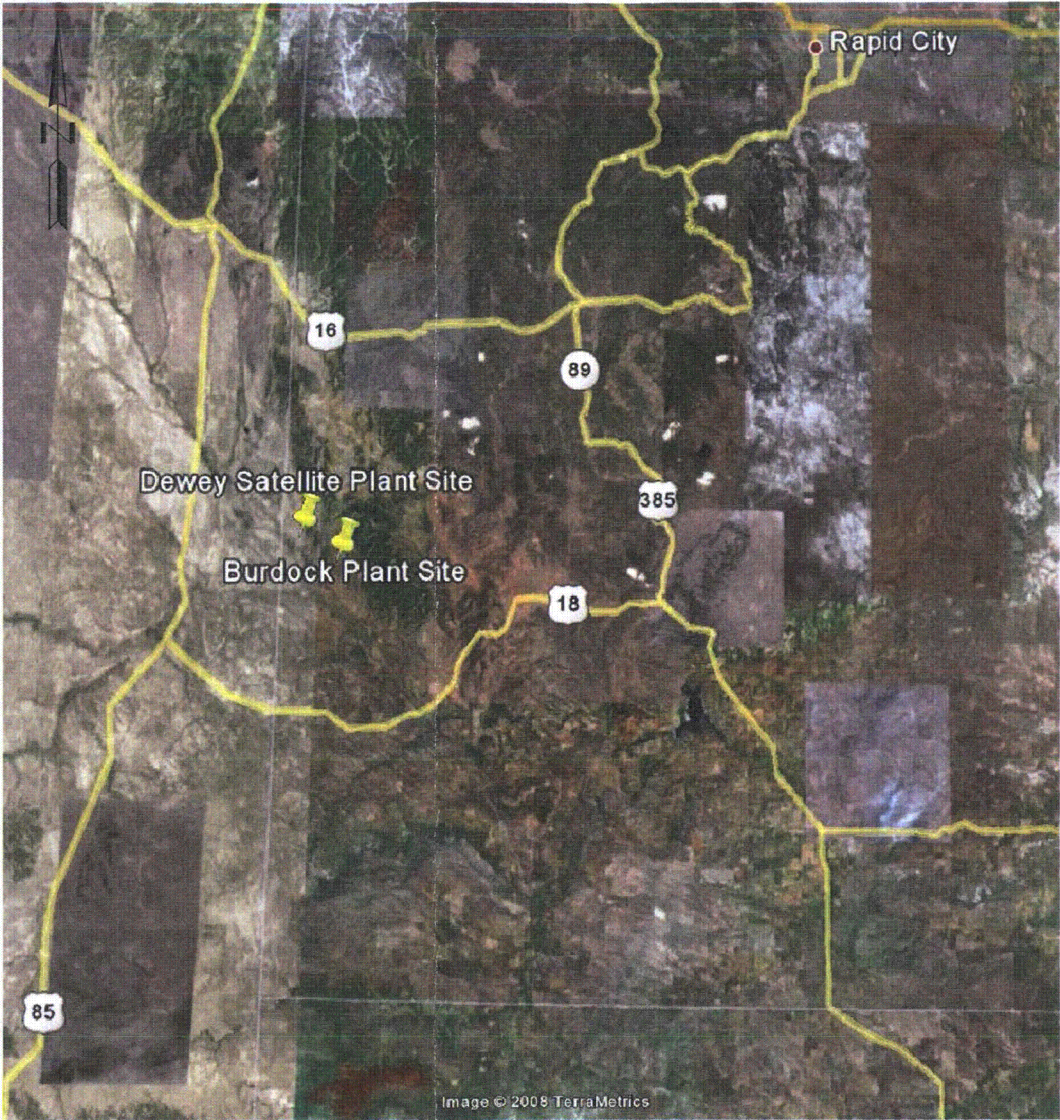
FIGURE NAME  
LAND APPLICATION AND IRRIGATION FIGURES

SITE INVESTIGATION TEST PIT LOCATIONS	2.1-1
BURDOCK PLANT SITE PLAN	3.3-1
BURDOCK POND SECTIONS	3.3-2
DEWEY PLANT SITE PLAN	3.3-3
DEWEY POND SECTIONS	3.3-4
BURDOCK PLANT SITE FLOW DIAGRAM	3.4-1
DEWEY PLANT SITE FLOW DIAGRAM	3.4-2
RADIUM SETTLING PONDS - TYPICAL SECTIONS AND DETAILS	3.6-1
SITE PLAN	3.7-1

DEEP WELL DISPOSAL FIGURES

SITE INVESTIGATION TEST PIT LOCATIONS	2.1-2
DEWEY PLANT SITE PLAN	4.2-1
DEWEY POND SECTIONS	4.2-2
BURDOCK PLANT SITE PLAN	4.2-3
BURDOCK POND SECTIONS	4.2-4
DEWEY PLANT SITE FLOW DIAGRAM	4.3-1
BURDOCK PLANT SITE FLOW DIAGRAM	4.3-2
TYPICAL POND SECTIONS AND DETAILS	4.5-1
SITE PLAN	4.6-1

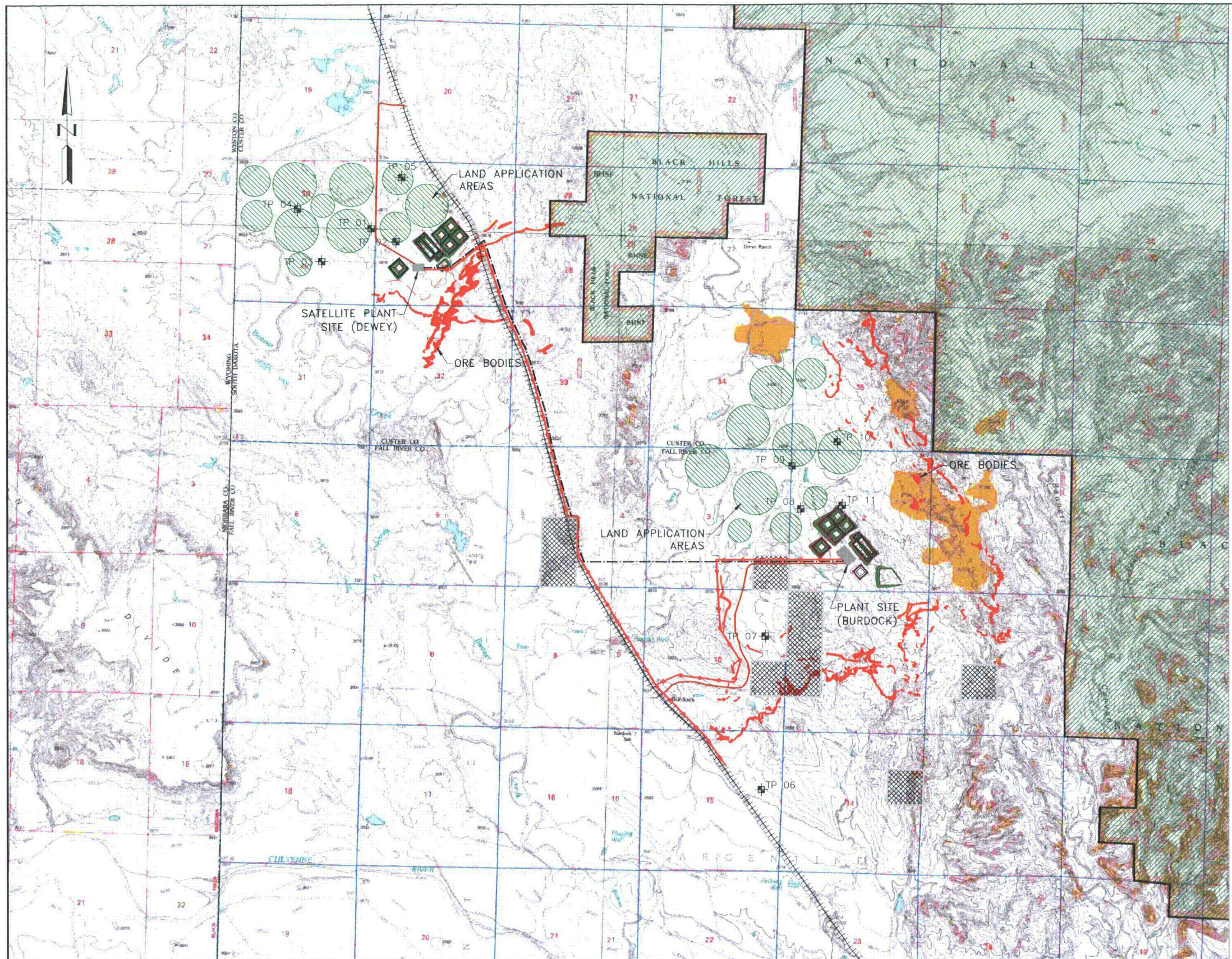
COMMON ABBREVIATIONS		SYMBOLS AND DESCRIPTIONS		SYMBOLS AND DESCRIPTIONS	
CL	CENTER LINE	3:1	3 (HORIZONTAL) TO 1 (VERTICAL) SLOPE		SECTION CALLOUT WITH LOCATION REFERENCE
DIA	DIAMETER	E 371000	EASTING COORDINATE		DETAIL OR DIMENSION BREAK
EL	ELEVATION	N 364500	NORTHING COORDINATE		FENCE LINE
NTS	NOT TO SCALE		DETAIL IDENTIFICATION		SLOPE INDICATOR (DETAIL)
REQ'D	REQUIRED		DRAWING REFERENCE NUMBER		
SCH	SCHEDULE		PROFILE OR CROSS SECTION IDENTIFICATION		
SDR	STANDARD DIMENSION RATIO		DRAWING REFERENCE NUMBER		
TOC	TOP OF CONCRETE		DIRECTION OF FLOW		
TOS	TOP OF STEEL		EXISTING GROUND SURFACE OR BOTTOM OF EXCAVATION		
(TYP)	TYPICAL		EXISTING GROUND SURFACE AND EL, FEET		
FT	FEET		SLOPE INDICATOR		
			TOP OF ROCK OR ROCK SURFACE		
			WATER LEVEL		



LOCATION MAP

CLIENT		POWERTECH (USA) Inc.			
PROJECT		DEWEY-BURDOCK PROJECT			
TITLE		INDEX, GENERAL SITE LOCATION MAP AND SYMBOLS			
<div><i><b>Knight Piésold</b></i> CONSULTING</div>					
DESIGNED BY	ST	LOCATION	PROJECT NUMBER	FIGURE NUMBER	REVISION
DRAWN BY	RJB	DV-102	279-05	1.0-1	B
ACTIVITY CODE	N/A	REF. NUMBER	N/A		





- LEGEND:**
- REGRADED CONTOURS
  - NEW ROADS
  - RAILROAD
  - POWER LINE
  - PIPELINE
  - ORE BODIES
  - LAND APPLICATION AREAS
  - NATIONAL FOREST
  - BLM AREAS
  - TP 05 TEST PIT

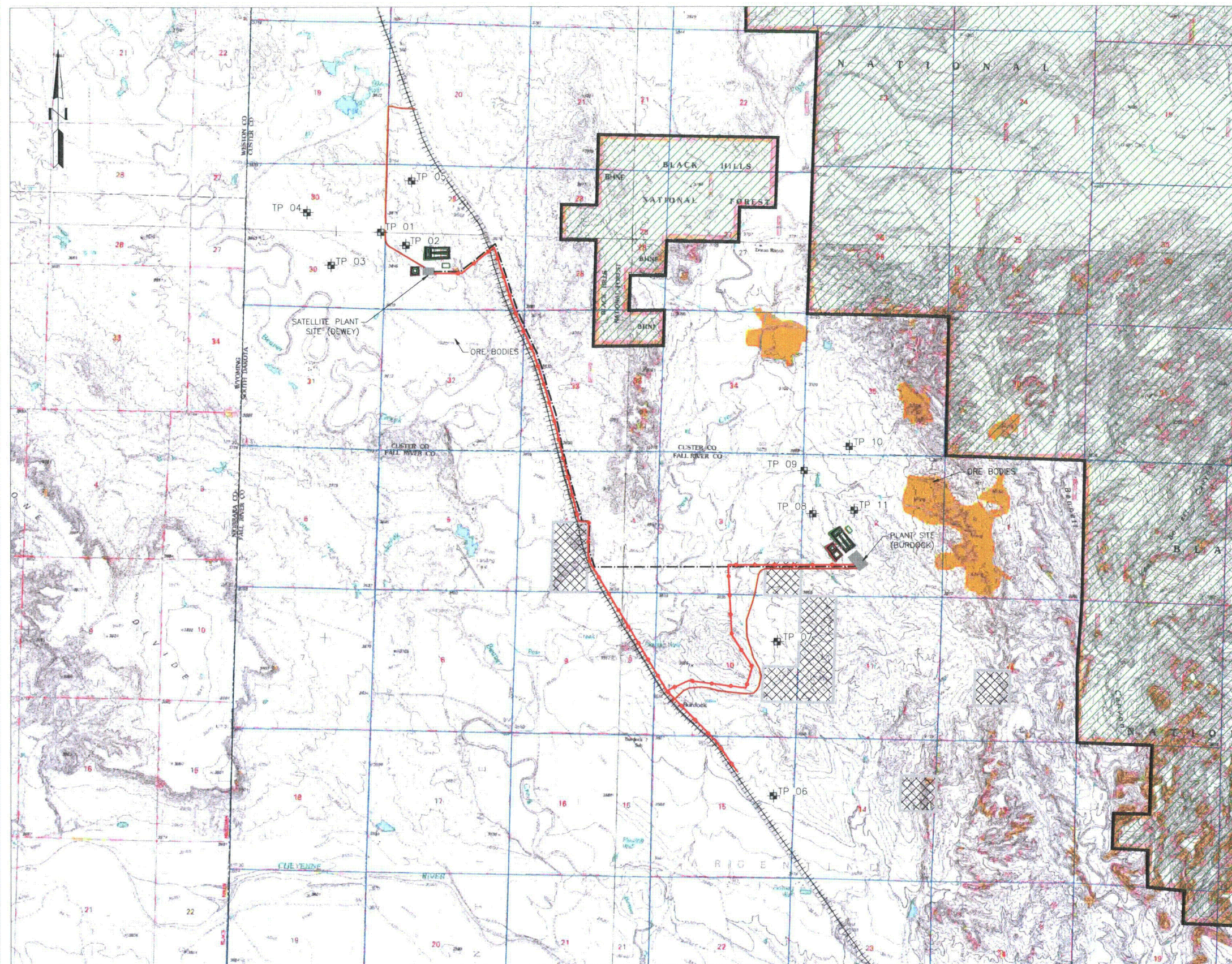
**NOTES:**

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		LAND APPLICATION AND IRRIGATION SITE INVESTIGATION — TEST PIT LOCATIONS			
<div>Knight Piésold CONSULTING</div>					
DESIGNED BY	ST	LOCATION	PROJECT NUMBER	FIGURE NUMBER	REVISION
DRAWN BY	RJB	102	279.02	2.1-1	B
ACTIVITY CODE	N/A	SHEET NUMBER	N/A		






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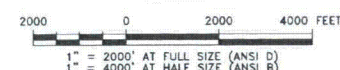
- REGRADED CONTOURS
- EXISTING ROAD
- NEW ROADS
- RAILROAD
- POWER LINE
- PIPELINE
- ORE BODIES
- NATIONAL FOREST
- BLM AREAS
- TP 05 TEST PIT

## NOTES:

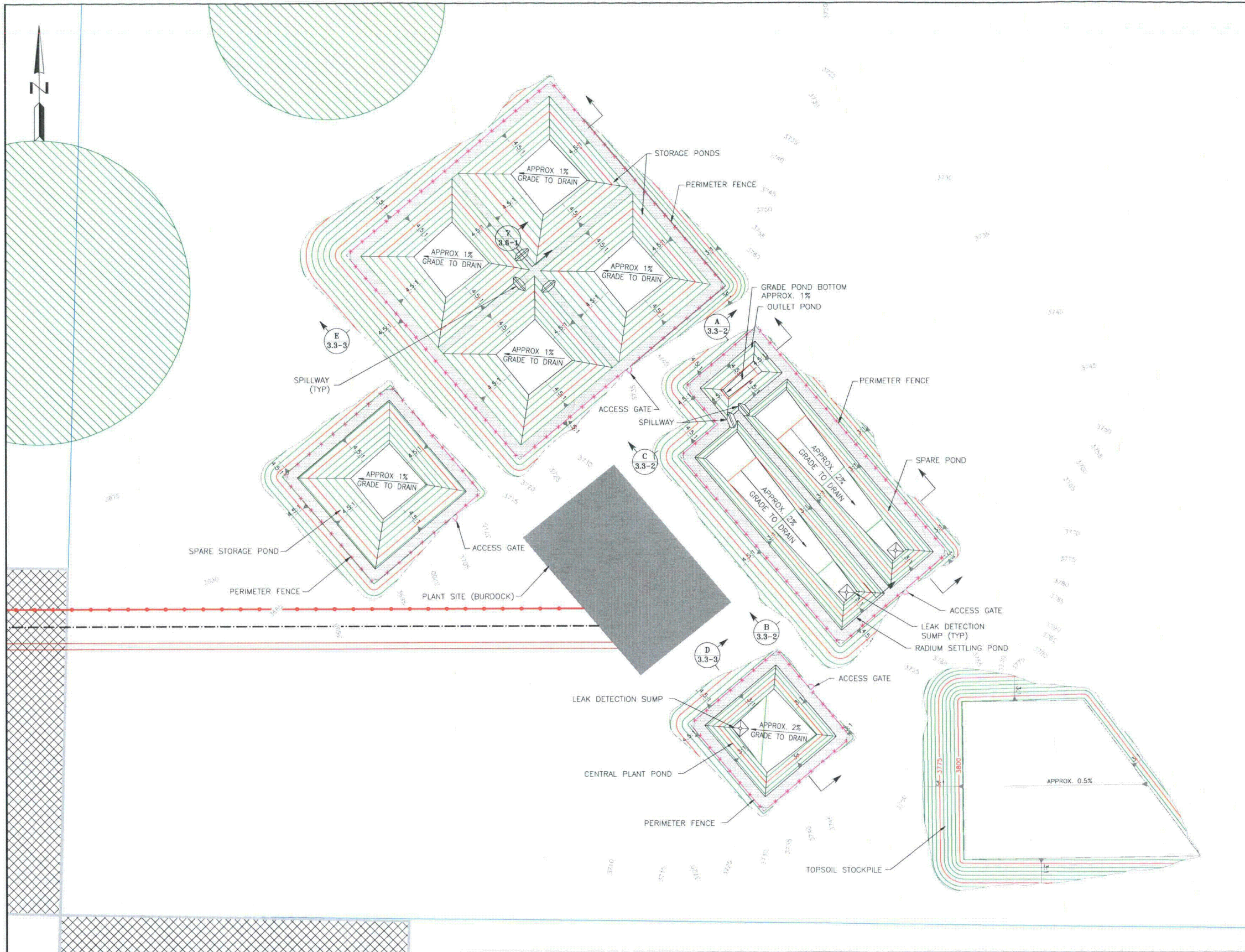
1. SCALE BAR MEASURES 3" ON A FULL SIZE PLOT (ANSI-D) AND 1.5" ON A HALF SIZE PLOT (ANSI-B).

CLIENT	POWERTECH (USA) Inc.				
PROJECT	DEWEY-BURDOCK PROJECT				
TITLE	DEEP WELL DISPOSAL SITE INVESTIGATION – TEST PIT LOCATIONS				
					
DESIGNED BY	ST	LOCATION	PROJECT NUMBER	FIGURE NUMBER	REVISION
DRAWN BY	ST	DV-102	279-05	2.1-2	B
ACTIVITY CODE	N/A	REF. NUMBER	N/A		

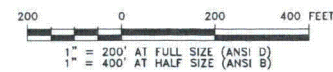
## PLAN







PLAN - BURDOCK PLANT SITE



LEGEND:

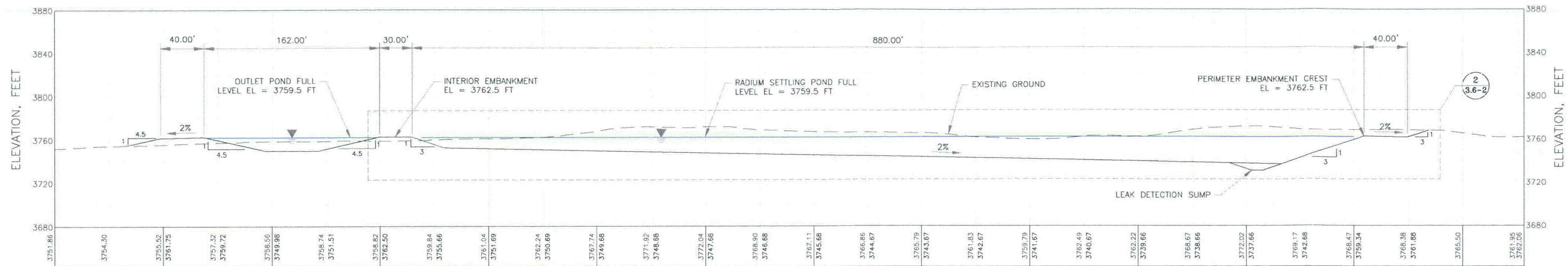
- EXISTING CONTOURS
- REGRADED CONTOURS
- EMBANKMENT ROAD
- NEW ROADS
- PERIMETER FENCE
- POWER LINE
- PIPELINE
- EXISTING STREAM
- LAND APPLICATION AREAS
- BLM AREAS

NOTES:

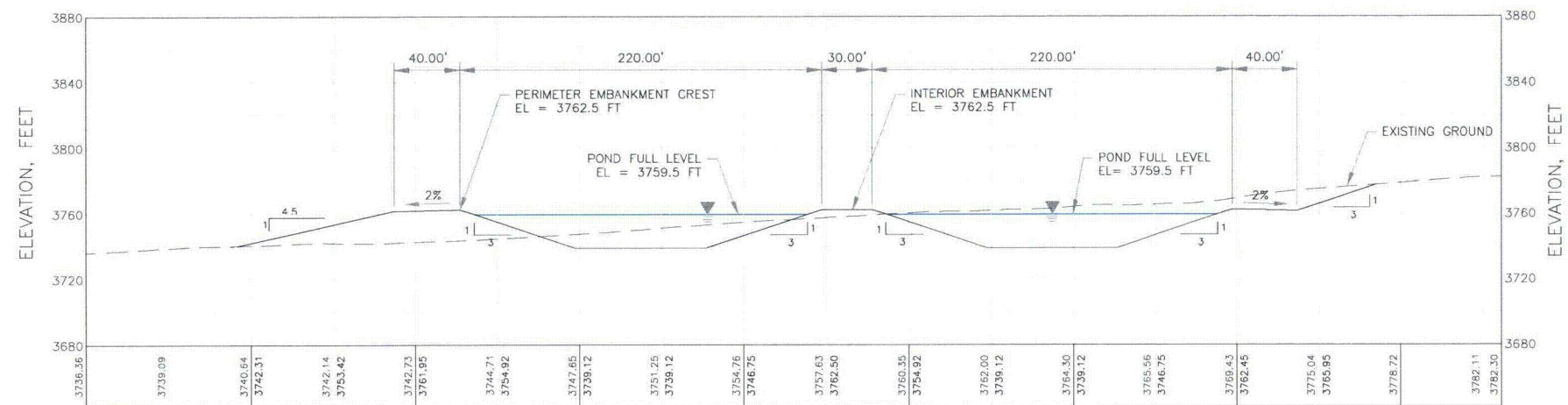
1. SCALE BAR MEASURES 3" ON A FULL SIZE PLOT (ANSI-D) AND 1.5" ON A HALF SIZE PLOT (ANSI-B).

CLIENT	POWERTECH (USA) Inc.				
PROJECT	DEWEY-BURDOCK PROJECT				
TITLE	LAND APPLICATION AND IRRIGATION BURDOCK PLANT SITE PLAN				
<div><i><b>Knight Piésold</b></i> <b>CONSULTING</b></div>					
DESIGNED BY	ST	LOCATION	PROJECT NUMBER	FIGURE NUMBER	REVISION
DRAWN BY	RJB	102	279.02	3.3-1	B
ACTIVITY CODE	N/A	<REF. NUMBER	N/A		

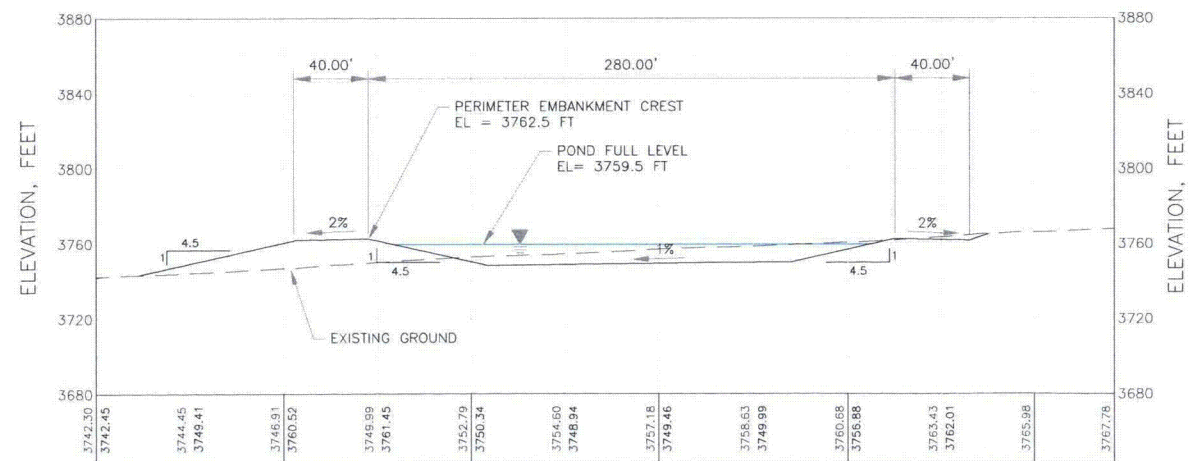




**A** BURDOCK RADIUM SETTLING AND OUTLET PONDS  
3.3-1 SECTION



**B** BURDOCK RADIUM SETTLING AND SPARE PONDS  
3.3-1 SECTION



**C** BURDOCK OUTLET POND  
3.3-1 SECTION

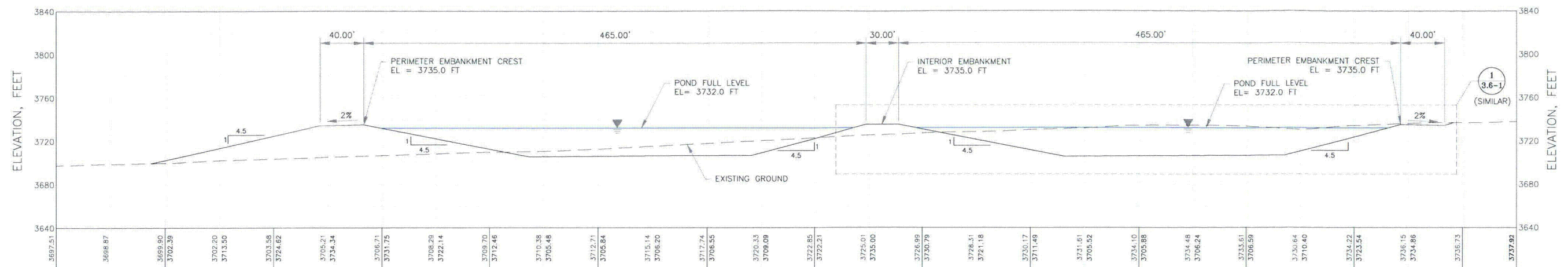


**NOTES:**

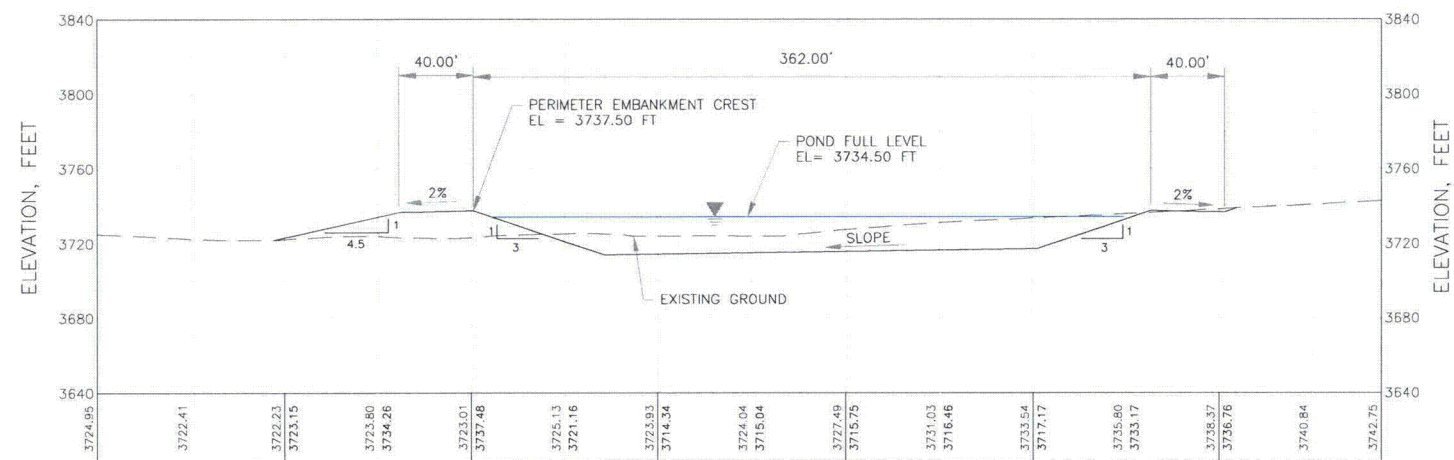
1. SCALE BAR MEASURES 3" ON A FULL SIZE PLOT (ANSI-D) AND 1.5" ON A HALF SIZE PLOT (ANSI-B).

CLIENT					
POWERTECH (USA) Inc.					
PROJECT					
DEWEY-BURDOCK PROJECT					
TITLE					
LAND APPLICATION AND IRRIGATION BURDOCK POND SECTIONS SHEET 1 OF 2					
<b>Knight Piésold</b> CONSULTING					
DESIGNED BY	ST	LOCATION	PROJECT NUMBER	FIGURE NUMBER	REVISION
DRAWN BY	DB	102	279.02	3.3-2	B
ACTIVITY CODE	N/A	REF NUMBER	N/A		





**E**  
3.3-1 BURDOCK STORAGE PONDS  
SECTION



**D**  
3.3-1 CENTRAL PLANT POND  
SECTION

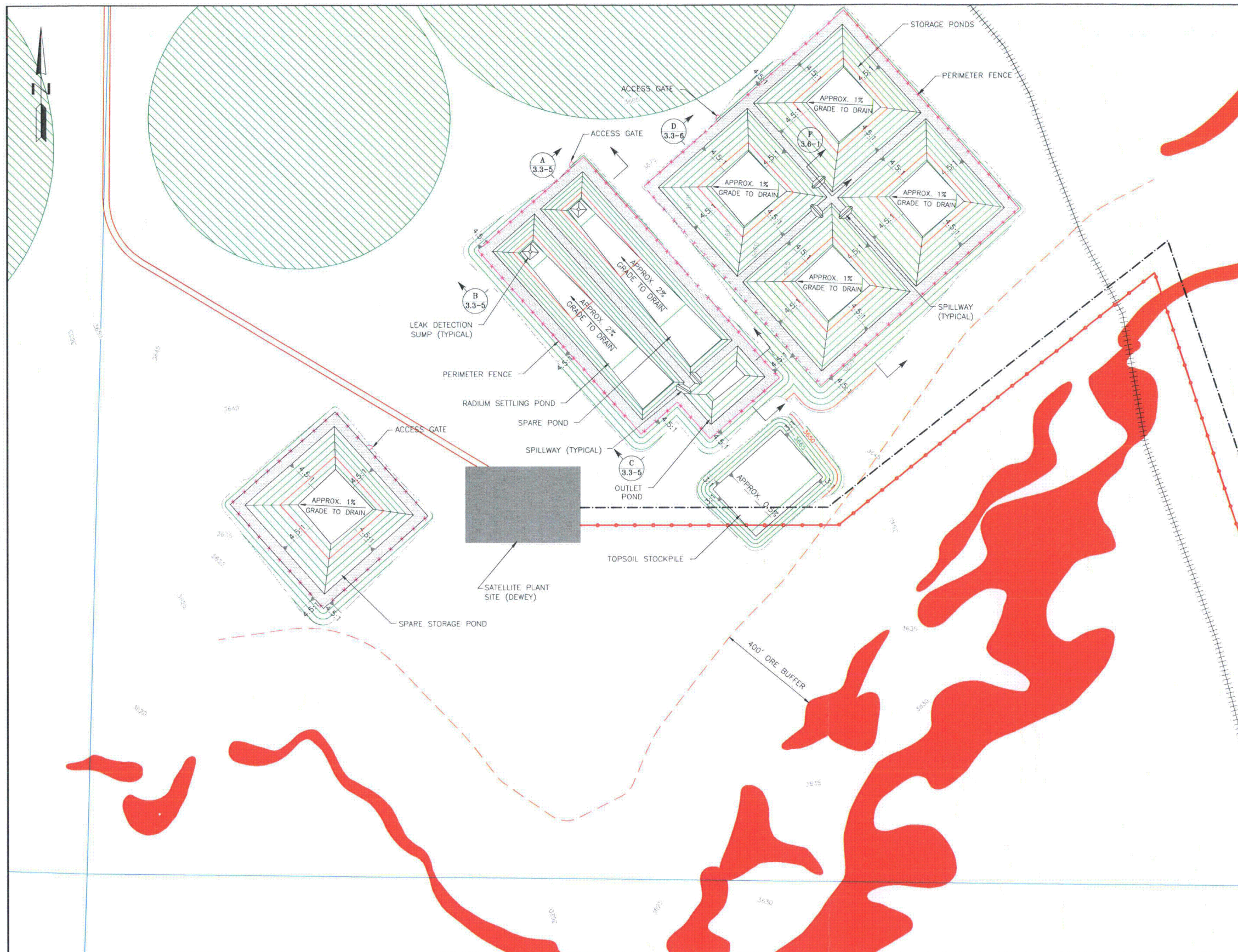


**NOTES:**

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	LAND APPLICATION AND IRRIGATION BURDOCK POND SECTIONS SHEET 2 OF 2				
<i><b>Knight Piésold</b></i> <b>CONSULTING</b>					
DESIGNED BY	SI	LOCATION	PROJECT NUMBER	FIGURE NUMBER	REVISION
DRAWN BY	DB	102	279.02	3.3-3	B
ACTIVITY CODE	N/A	*RET NUMBER	N/A		





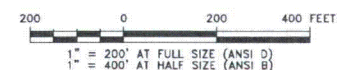
# LEGEND:

- EXISTING CONTOURS
- REGRADED CONTOURS
- EMBANKMENT ROAD
- RAILROAD
- PERIMETER FENCE
- PIPELINE
- POWER LINE
- EXISTING STREAM
- LAND APPLICATION AREAS
- ORE BODIES

## NOTES:

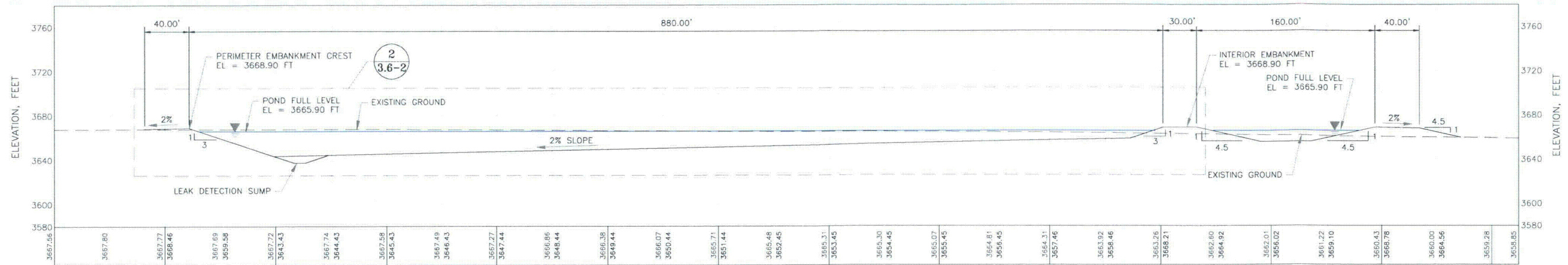
- SCALE BAR MEASURES 3" ON A FULL SIZE PLOT (ANSI-D) AND 1.5" ON A HALF SIZE PLOT (ANSI-B).

PLAN - DEWEY SATELLITE PLANT SITE

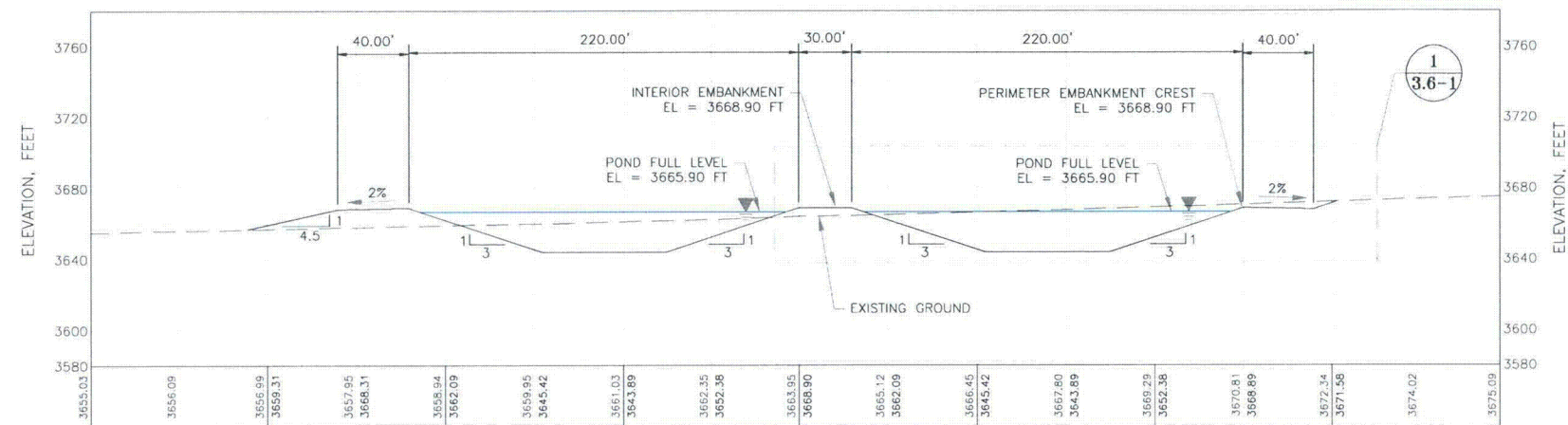


CLIENT	POWERTECH (USA) Inc.				
PROJECT	DEWEY-BURDOCK PROJECT				
TITLE	LAND APPLICATION AND IRRIGATION DEWEY PLANT SITE PLAN				
<i><b>Knight Piésold</b></i> <b>CONSULTING</b>					
DESIGNED BY	ST	LOCATION	PROJECT NUMBER	FIGURE NUMBER	REVISION
DRAWN BY	RJB	102	279.02	3.3-4	B
ACTIVITY CODE	N/A	REF NUMBER	N/A		

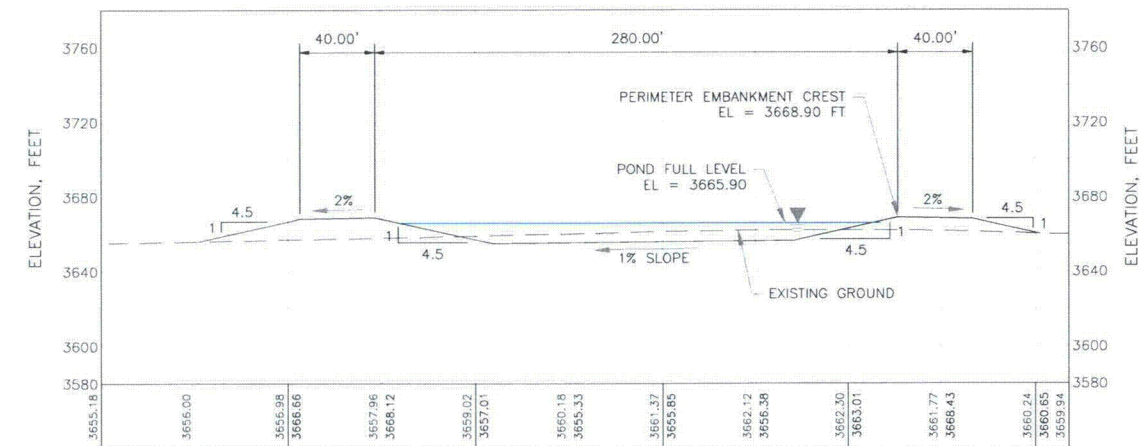




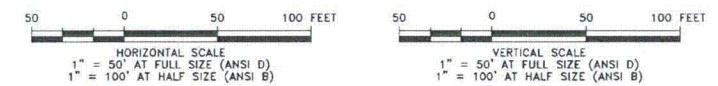
**A** DEWEY RADIIUM SETTLING AND OUTLET PONDS  
3.3-4 SECTION



**B** DEWEY RADIIUM SETTLING PONDS  
3.3-4 SECTION



**C** DEWEY OUTLET POND  
3.3-4 SECTION



**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	LAND APPLICATION AND IRRIGATION DEWEY POND SECTIONS SHEET 1 OF 2				
<div><i>Knight Piésold</i> CONSULTING</div>					
DESIGNED BY	ST	LOCATION	PROJECT NUMBER	FIGURE NUMBER	REVISION
DRAWN BY	RJB	102	279.02	3.3-5	B
ACTIVITY CODE	N/A	*REF NUMBER	N/A		