



POWERTECH (USA) INC.

**Dewey-Burdock Project
Application for NRC
Uranium Recovery License
Fall River and Custer Counties,
South Dakota
Technical Report**

**Plates
Volume II
Plates 2.6-9 – 2.6-12j**

December 2013

Prepared for
**U.S. Nuclear Regulatory Commission
11545 Rockville Pike
Rockville, MD 20852**

Prepared by
**Powertech (USA) Inc.
5575 DTC Parkway, Suite #140
Greenwood Village, CO 80111
Phone: 303-790-7528
Facsimile: 303-790-3885**

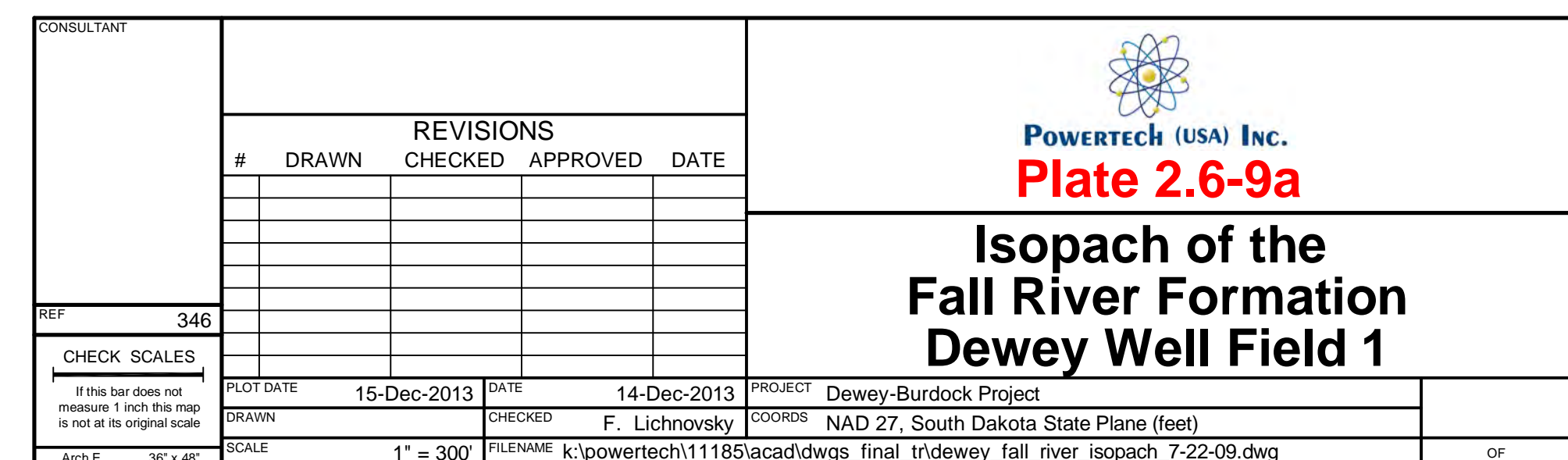
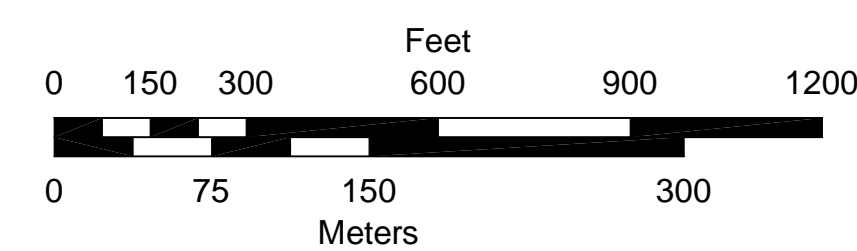
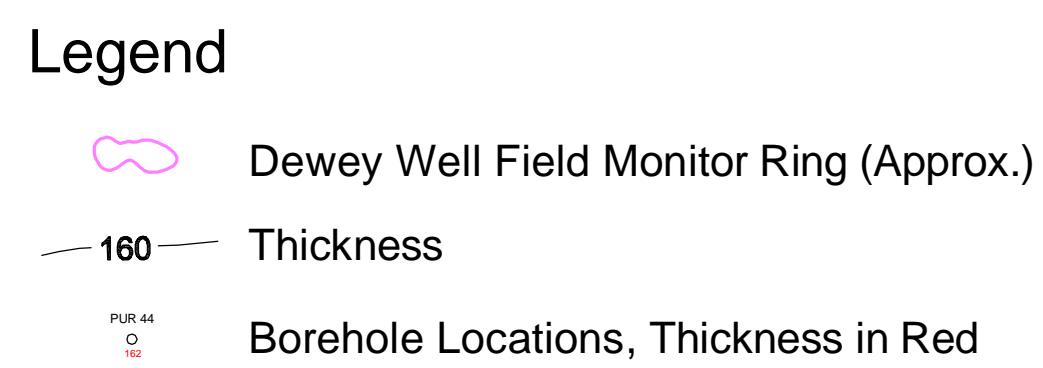
United States Nuclear Regulatory Commission Official Hearing Exhibit	
In the Matter of:	POWERTECH USA, INC. (Dewey-Burdock In Situ Uranium Recovery Facility)
ASLBP #:	10-898-02-MLA-BD01
Docket #:	04009075
Exhibit #:	APP-015-E-00-BD01
Admitted:	8/19/2014
Rejected:	
Other:	
Identified:	8/19/2014
Withdrawn:	
Stricken:	

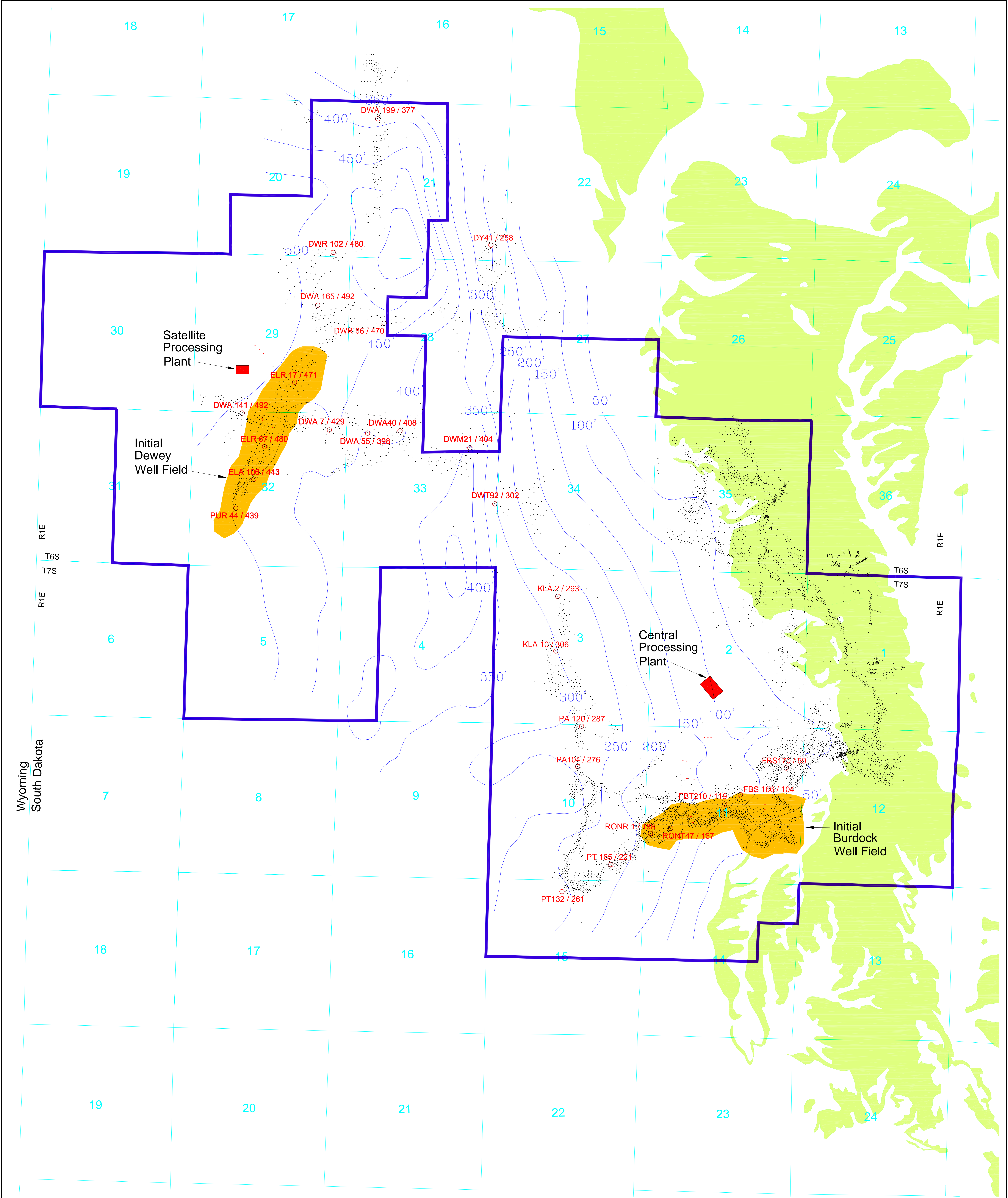


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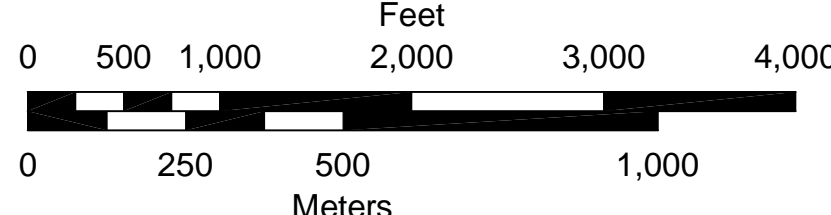
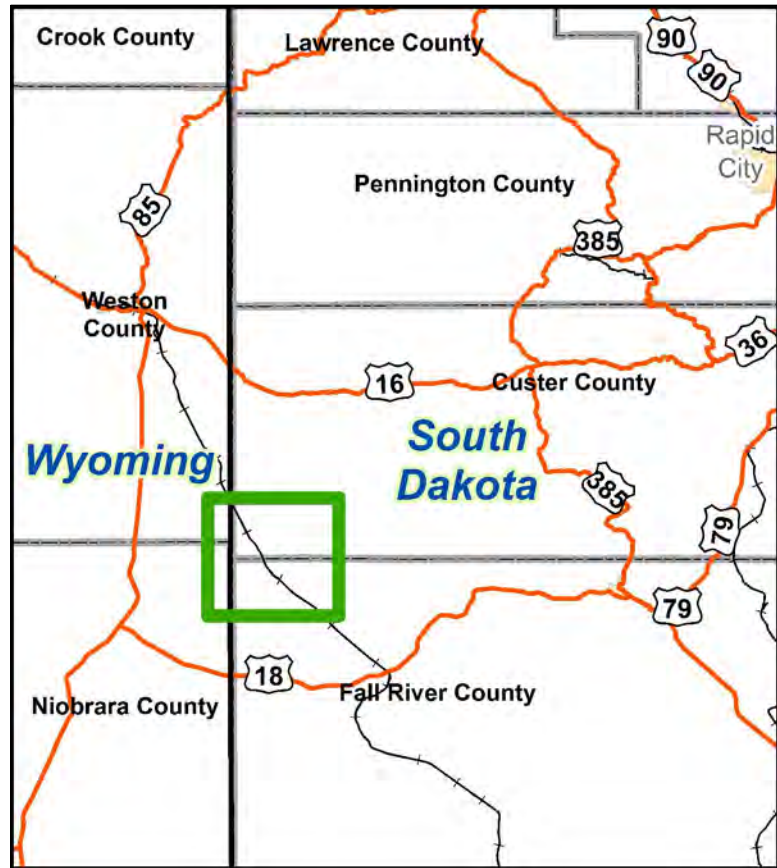
LIST OF PLATES - VOLUME II

2.6-9	Isopach of the Fall River Formation
2.6-9a	Isopach of the Fall River Formation, Dewey Well Field 1
2.6-10	Isopach of the Upper Confining Graneros Group
2.6-11	Alluvium Isopach
2.6-12	Cross Section Index Map
2.6-12a	Cross Section A - A'
2.6-12b	Cross Section B - B'
2.6-12c	Cross Section C - C'
2.6-12d	Cross Section D - D'
2.6-12e	Cross Section E - E'
2.6-12f	Cross Section F - F'
2.6-12g	Cross Section G - G'
2.6-12h	Cross Section H - H'
2.6-12j	Cross Section J - J'



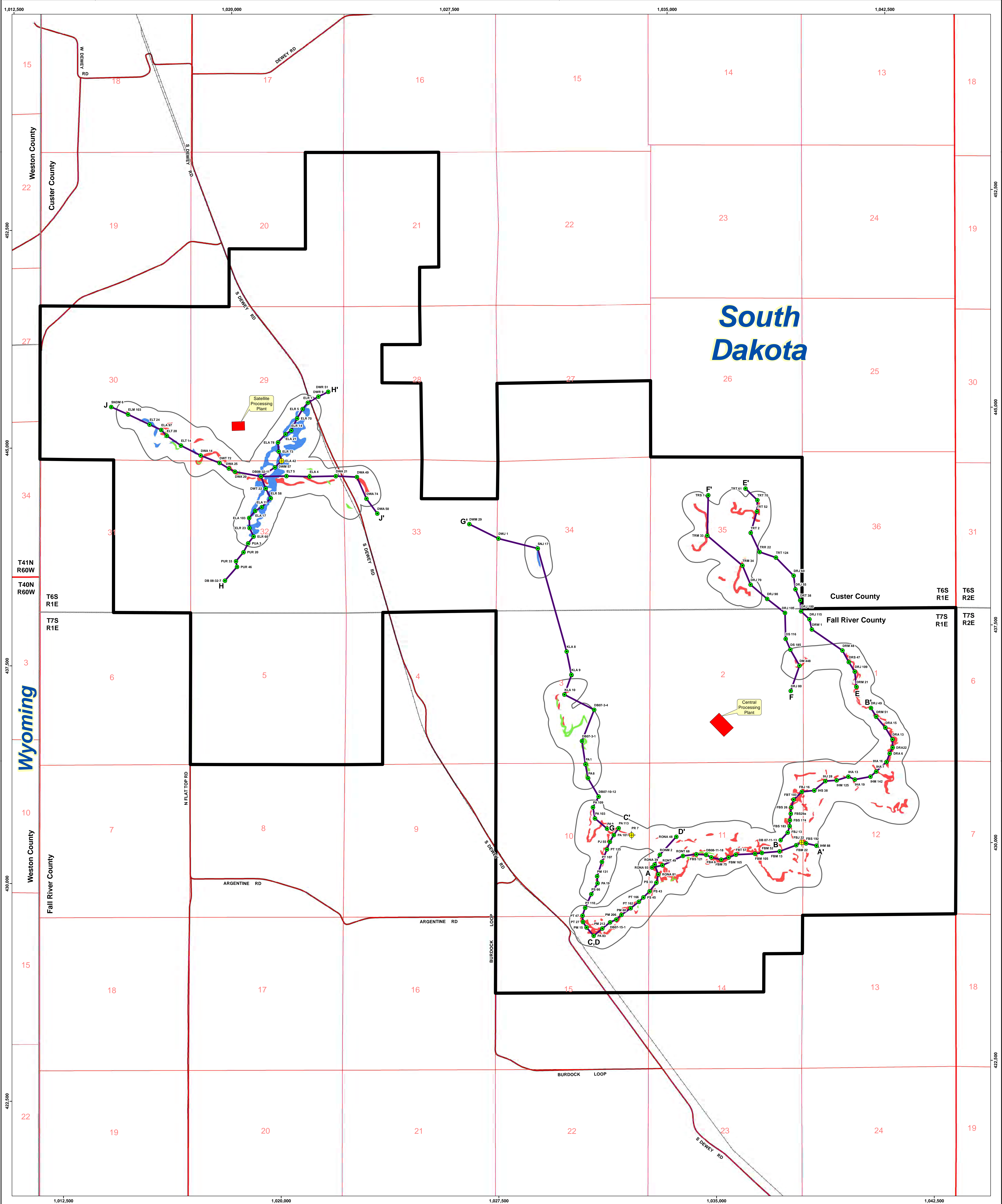


- Legend**
- Processing Plant Sites
 - Fall River Outcrop
 - Initial Well Fields
 - Permit Boundary
 - Thickness
 - TVA Borehole Locations
 - Powertech Exploration Borehole Locations
 - Measured Thickness at Borehole (Hole / Thickness)



REVISIONS		DATE		PROJECT	
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Hietrick, Lichpolsky		W. Mays		NAD 27, South Dakota State Plane South (feet)	
SCALE		REVISION		p:\dewey-burdock\cnc\supplemental\final\isopach upper confining unit mowry and skull.dwg	
DATE		3/2/15		OF	



Legend

- Project Boundary
- Cross Section Index Lines
- Holes Used in Type Logs
- Holes Used in Cross Sections
- Overall Potential Well Field Areas
- Processing Plants
- BNSF Railroad
- County Roads

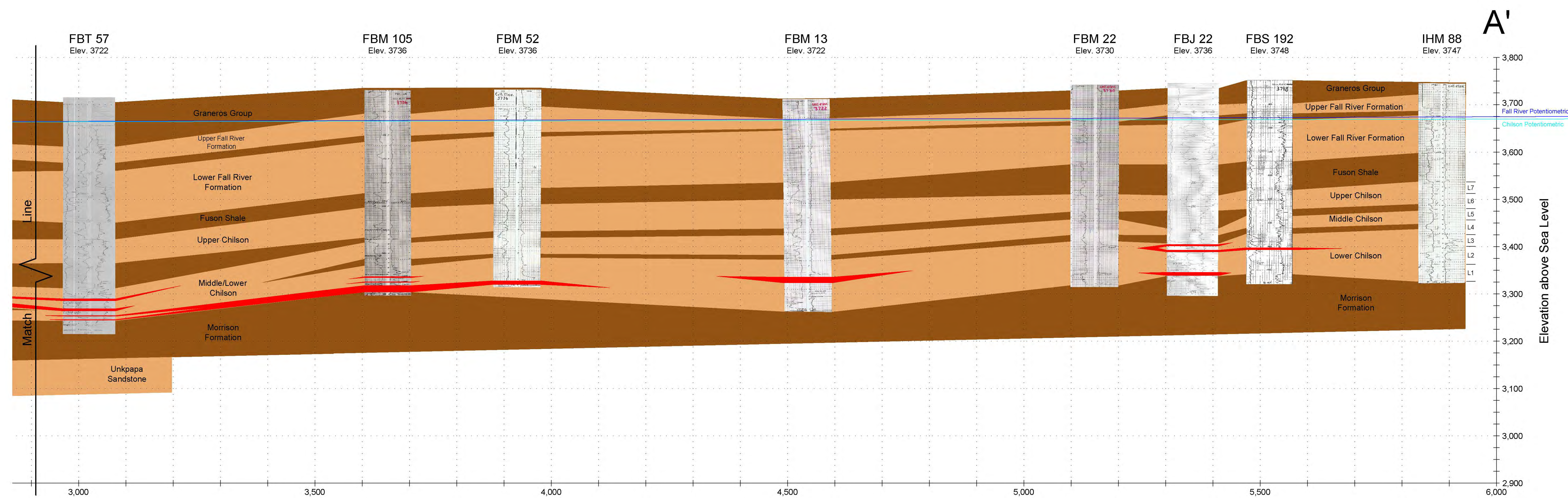
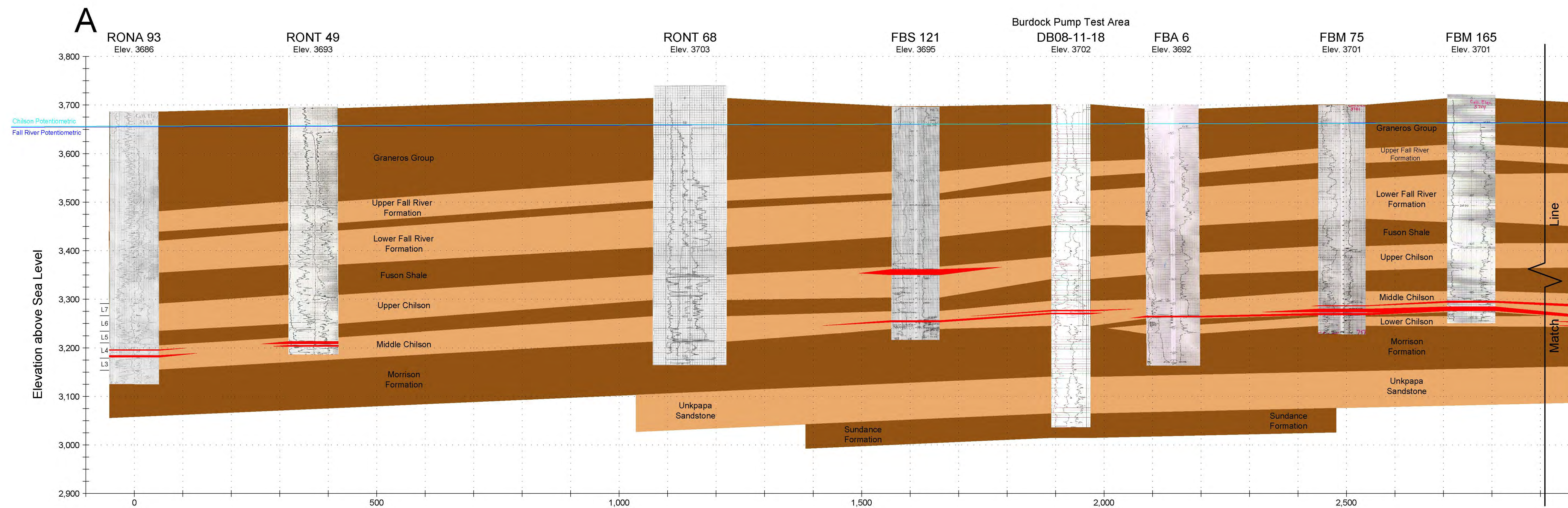
Ore Bodies

- Lower Fall River
- Upper Chilson
- Middle/Lower Chilson

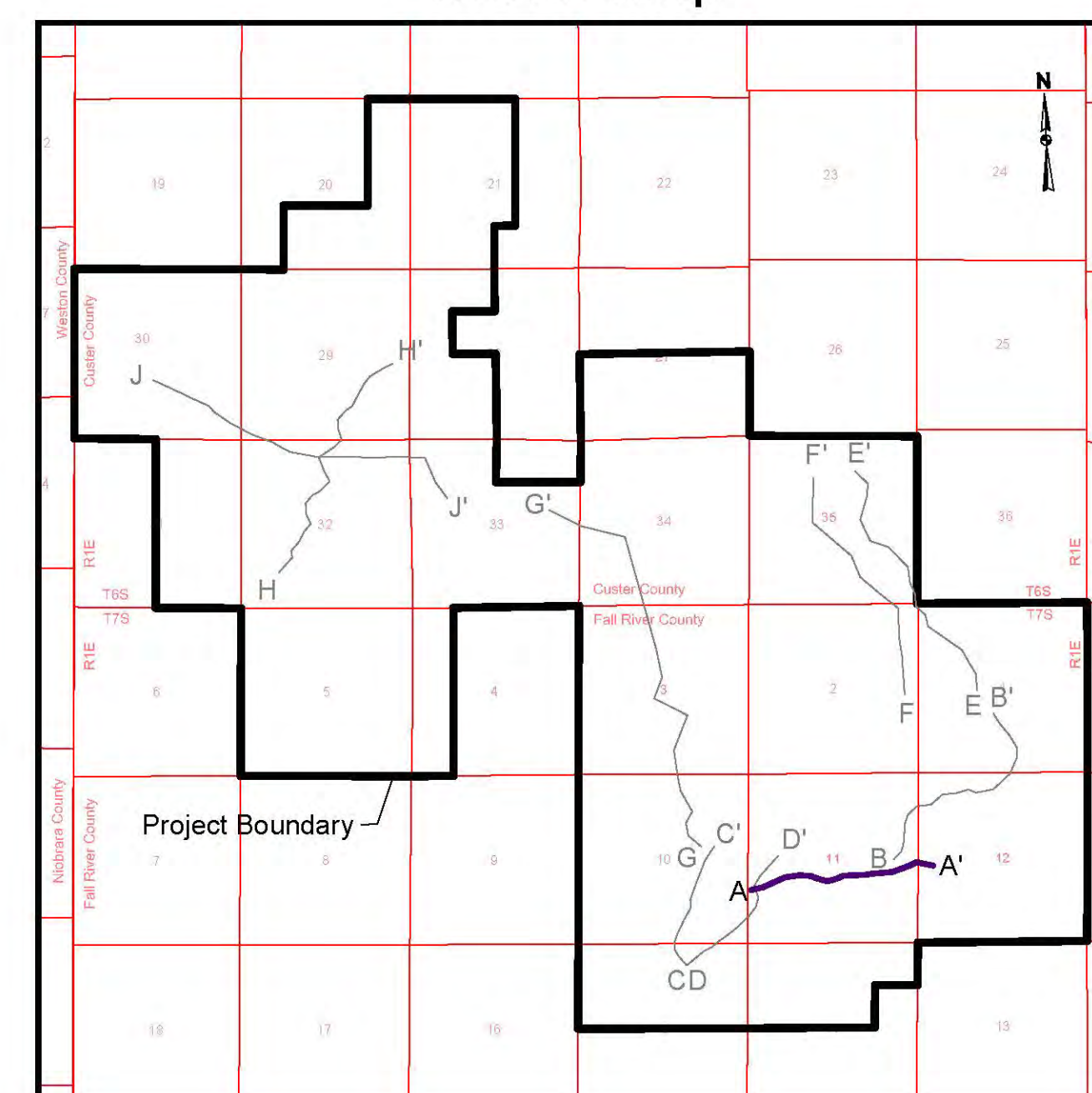
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Powertech (USA) Inc.
Plate 2.6-12
Cross Section Index Map
Dewey-Burdock Project
TOWNSHIP: T41N, T40N, T39N, T38N, T37N, T36N, T35N, T34N, T33N, T32N, T31N, T30N, T29N, T28N, T27N, T26N, T25N, T24N, T23N, T22N, T21N, T20N, T19N, T18N, T17N, T16N, T15N, T14N, T13N, T12N, T11N, T10N, T9N, T8N, T7N, T6N, T5N, T4N, T3N, T2N, T1N
RANGE: R60W, R59W, R58W, R57W, R56W, R55W, R54W, R53W, R52W, R51W, R50W, R49W, R48W, R47W, R46W, R45W, R44W, R43W, R42W, R41W, R40W, R39W, R38W, R37W, R36W, R35W, R34W, R33W, R32W, R31W, R30W, R29W, R28W, R27W, R26W, R25W, R24W, R23W, R22W, R21W, R20W, R19W, R18W, R17W, R16W, R15W, R14W, R13W, R12W, R11W, R10W, R9W, R8W, R7W, R6W, R5W, R4W, R3W, R2W, R1W



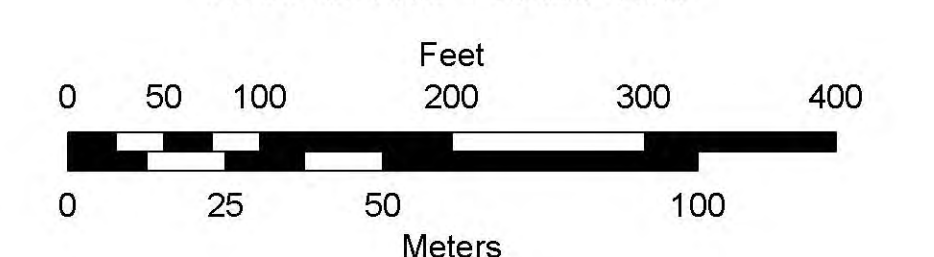
Index Map




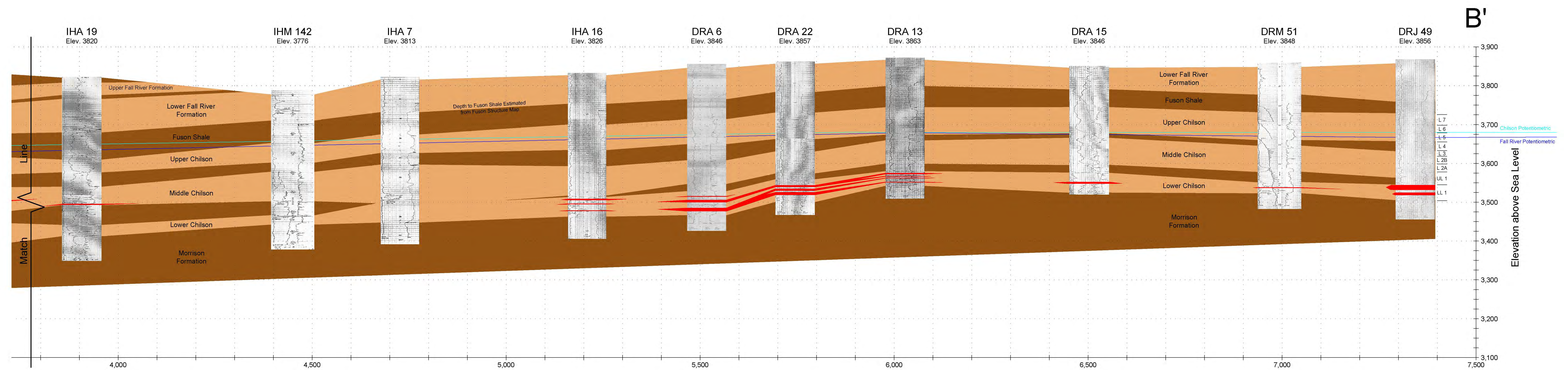
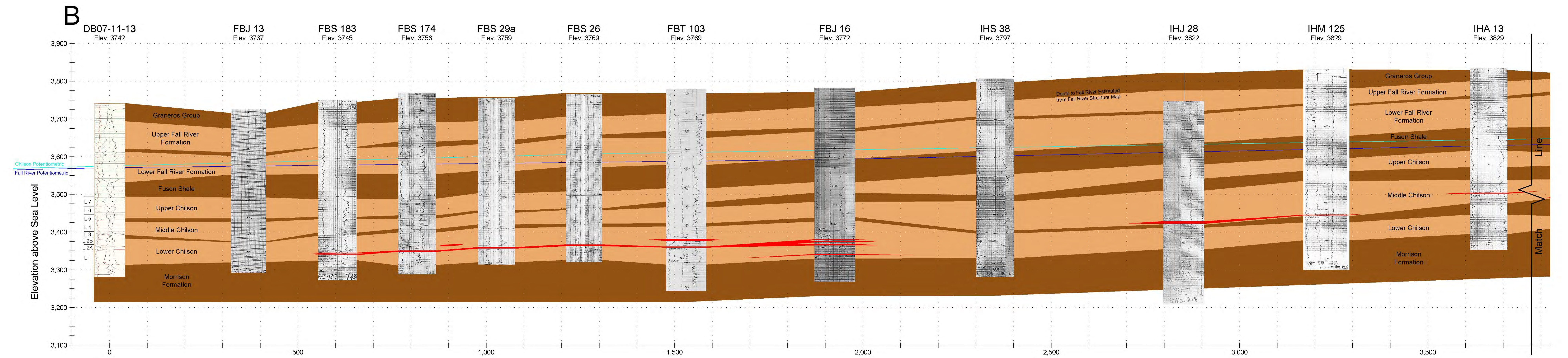
Legend

- Ore
- Confining Clays and Shale
- Sand

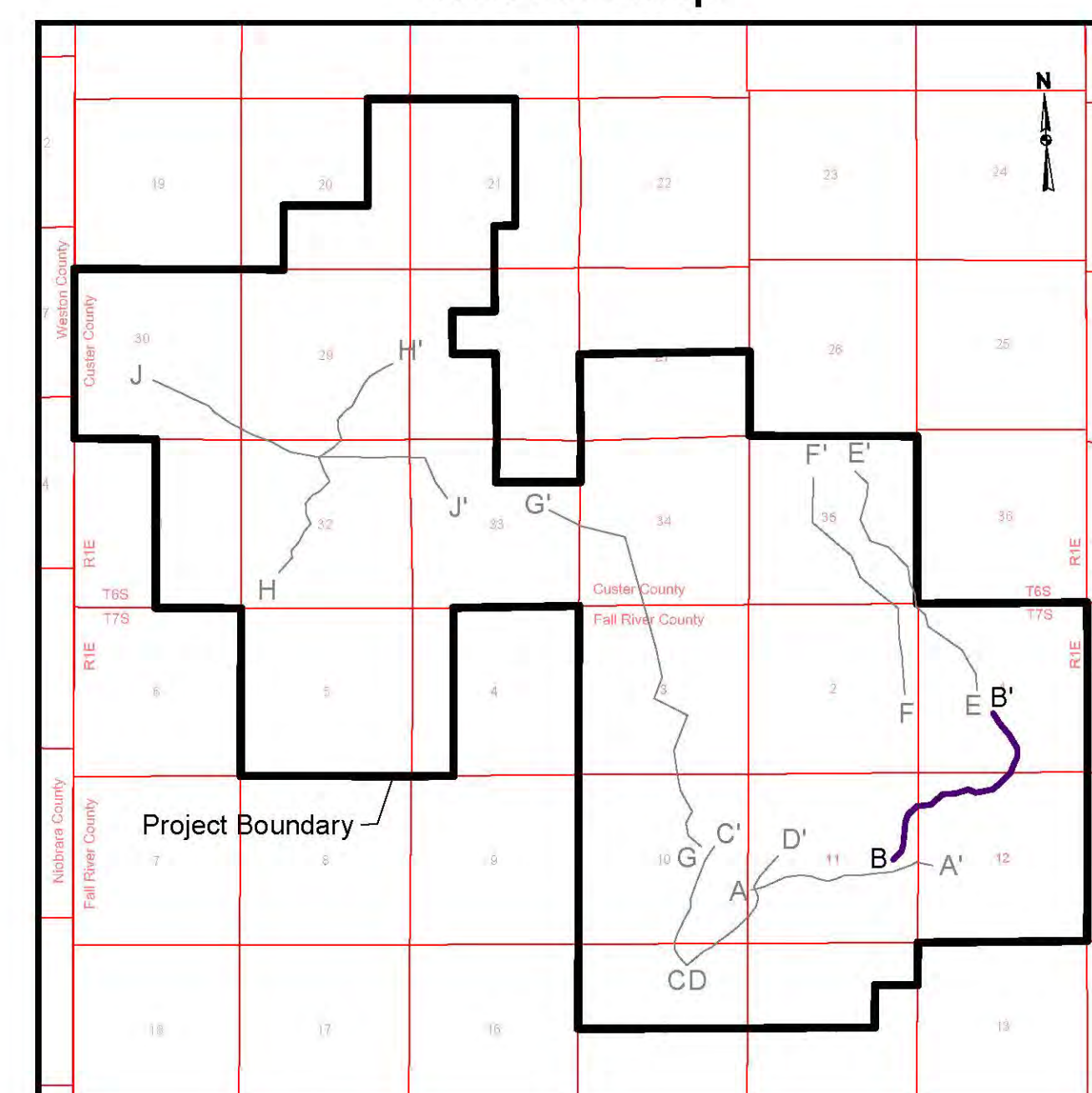
Horizontal Scale = Vertical Scale



PROJECT NOTE							
<div>CHECK SCALES</div> <div>fills for steel reinforcement shall be made in accordance with the design and approved by the engineer.</div> <div>DATE: 06/26/2013</div>		REVISIONS				<div>POWERTECH (USA) INC.</div> <div>Plate 2.6-12a</div> <div>Cross Section A - A'</div> <div>Dewey-Burdock Project</div> <div>26-Jun-2013</div> <div>FILE: R056 - 2 x 1 Burdock A-A.pdf</div> <div>PROJECT: p\dewey-burdock\submittals\technical report 07\june 2013 revisions\ x_burdock_a-a.dwg</div>	
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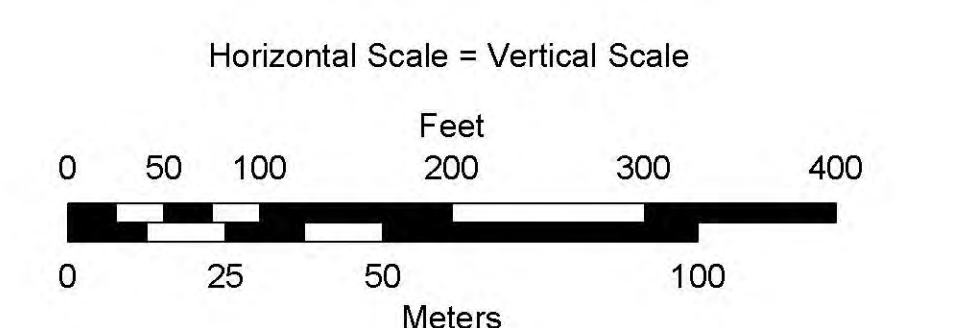



Index Map

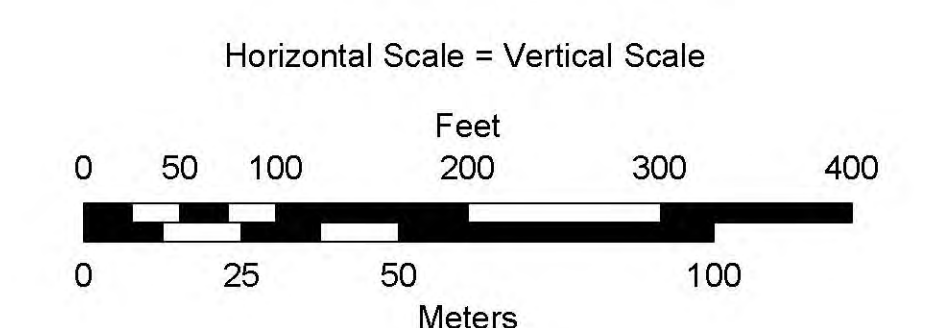
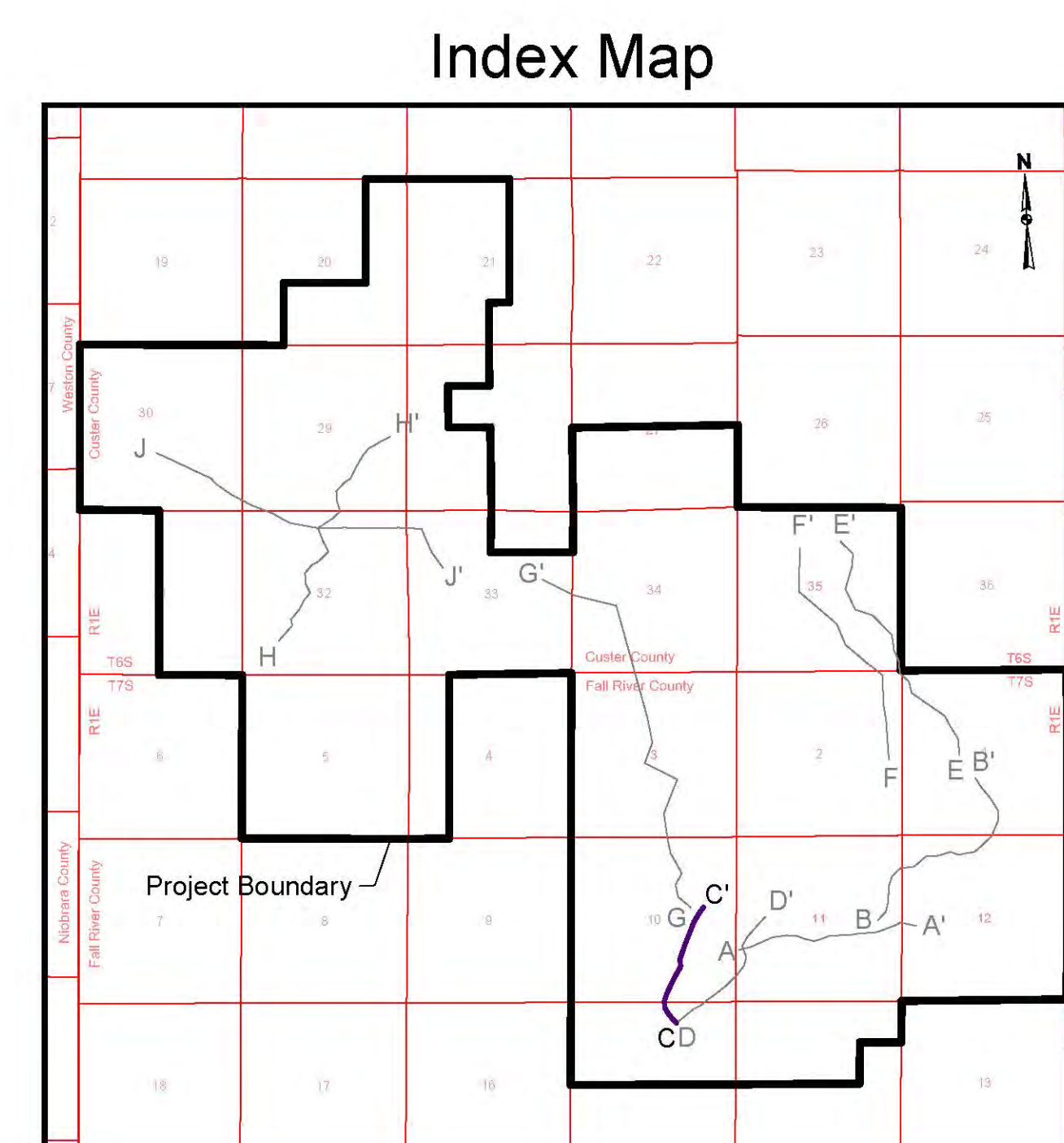
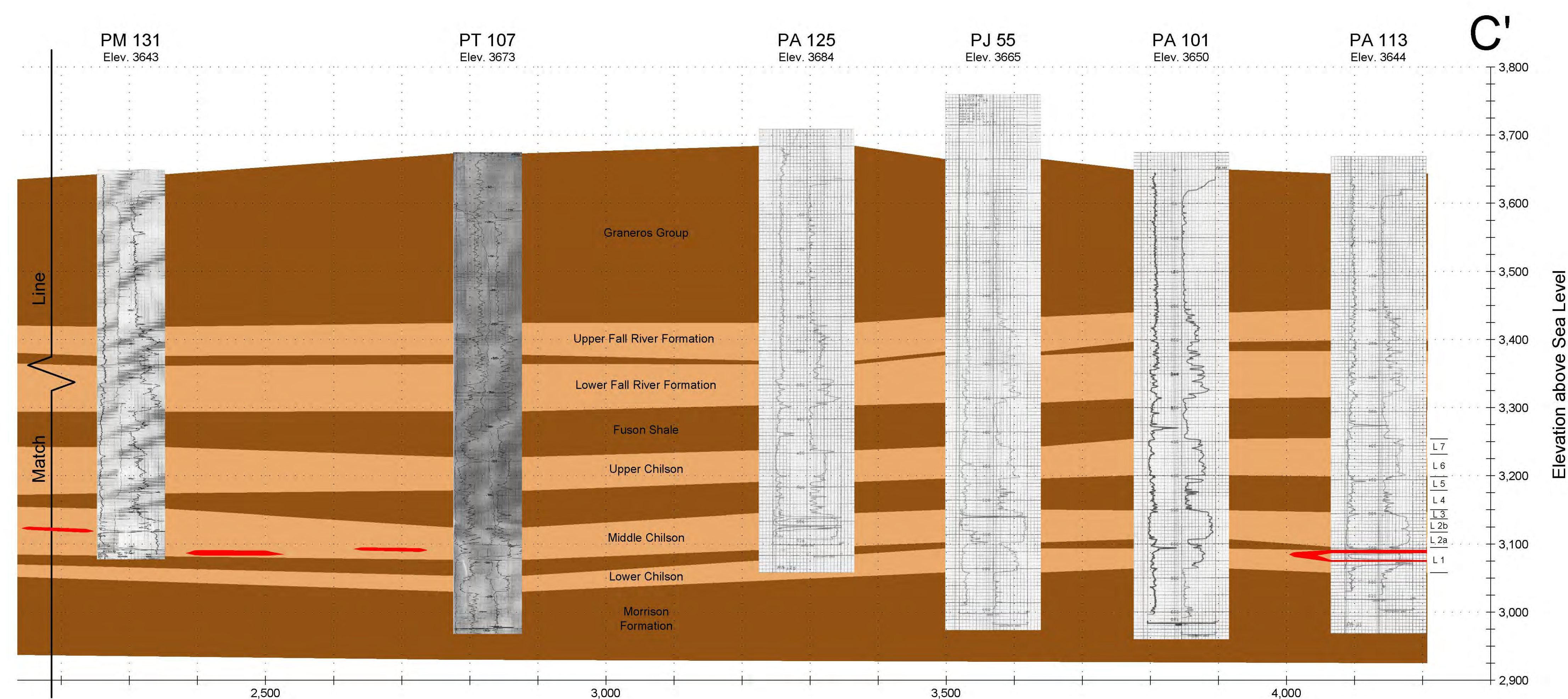


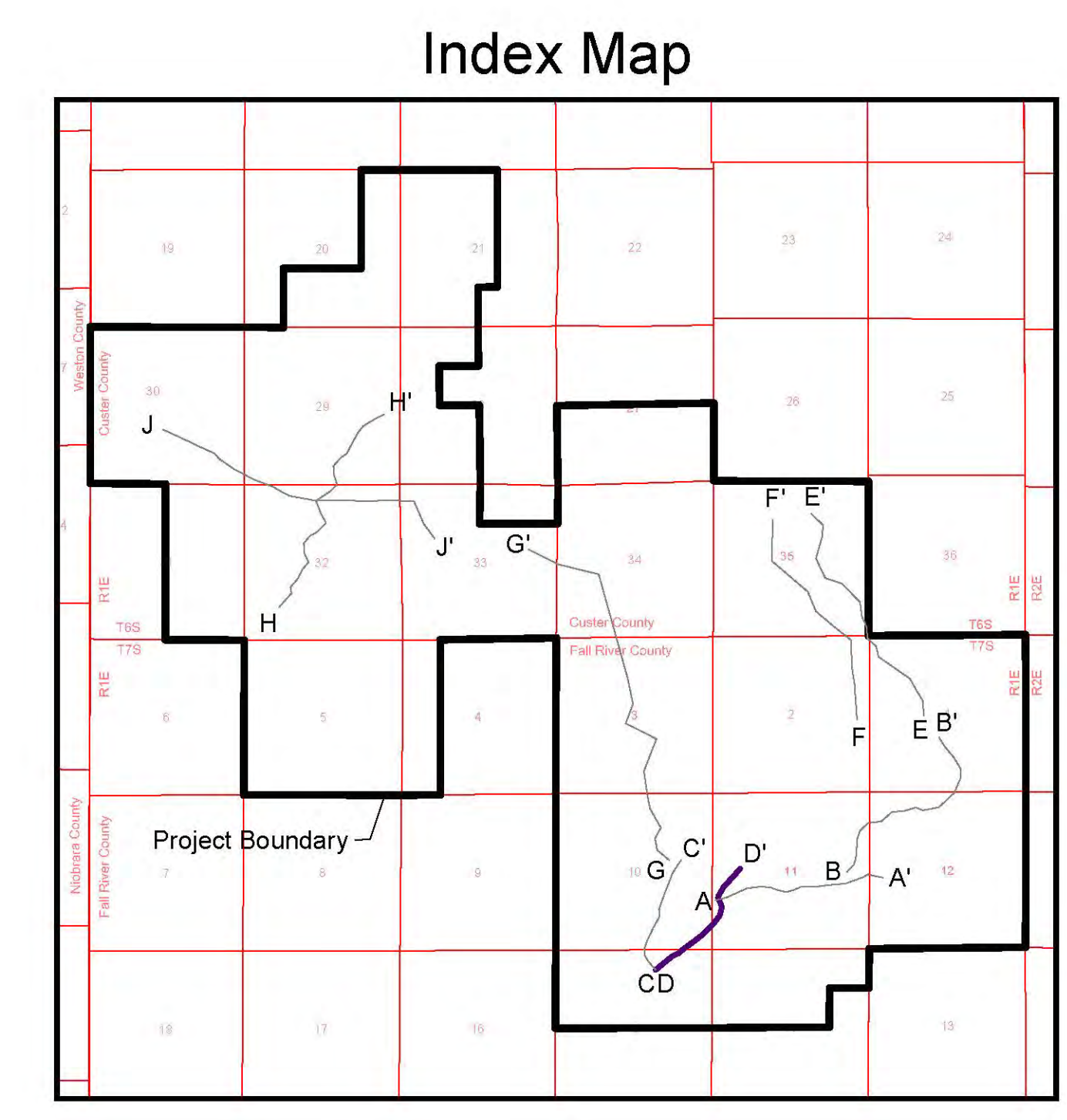
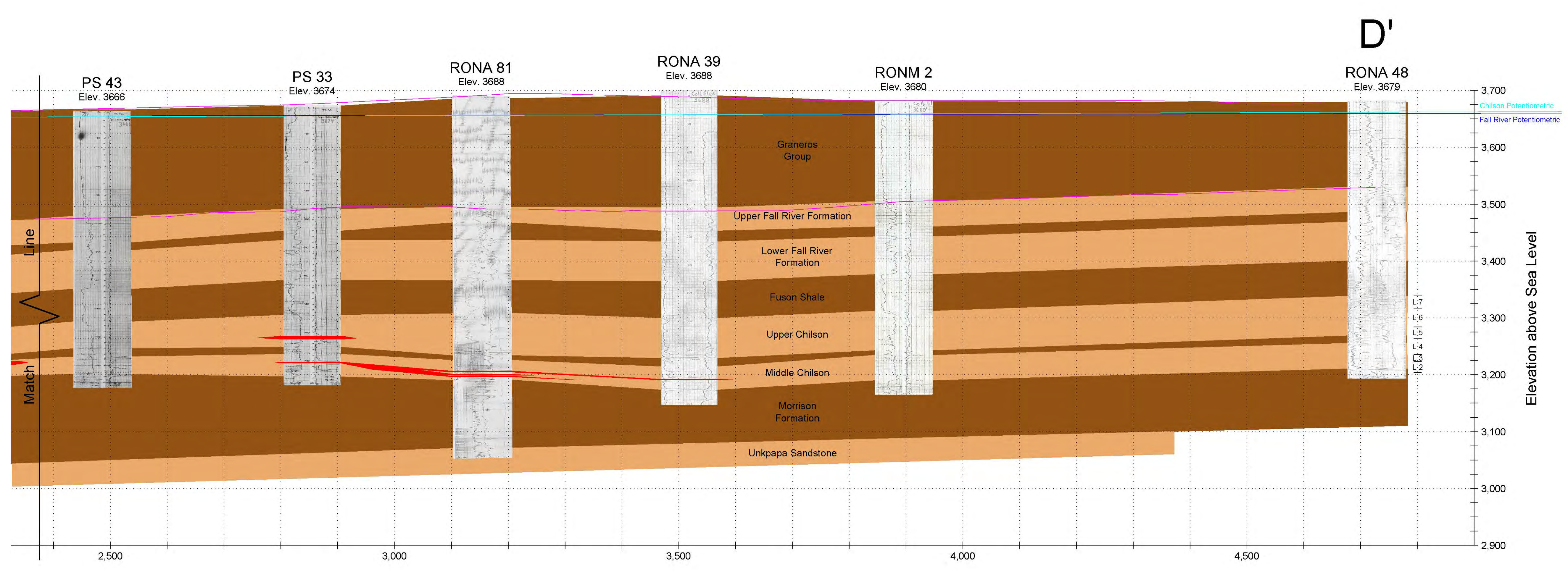
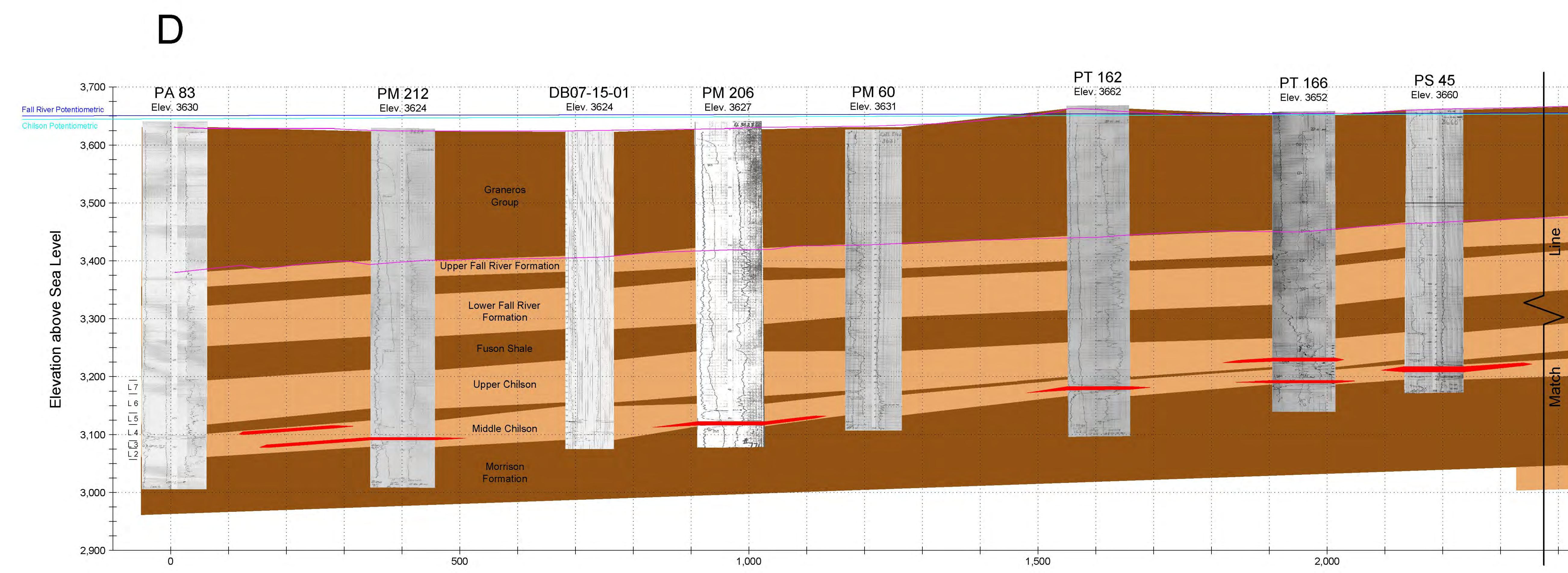
Legend

- Ore
- Confining Clays and Shale
- Sand

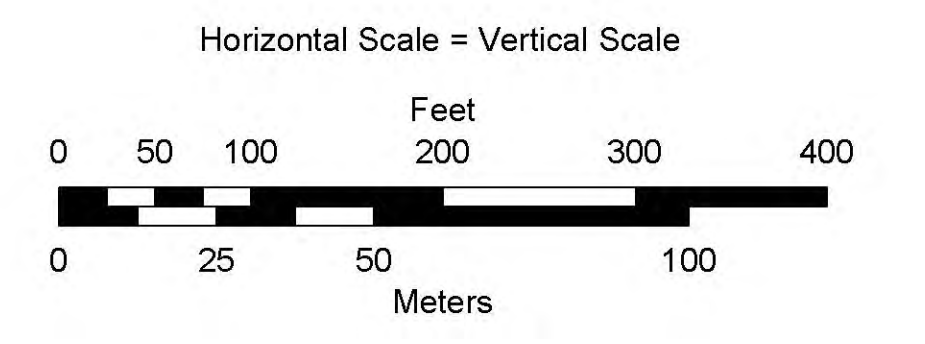



REVISED DATE							
		REVISIONS				PowerTech (USA) Inc.	
#	DRAWN	CHECKED	APPROVED	DATE	Plate 2.6-12b		
					Cross Section B - B'		
957					Dewey-Burdock Project NAD 27, South Dakota State Plane South (feet) 2008 10/1/08		
957							
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drawn for and checked by		DATE		DATE			
F. L. Lichnevsky		26-Jun-2013		26-Jun-2013			
F. L. Lichnevsky		FILED		R067 2.6-12b			
F. L. Lichnevsky		DATE		p:\dewey-burdock\asubmittals\technical report 07\june 2013 revisions\ x_burdock-b-dwg			

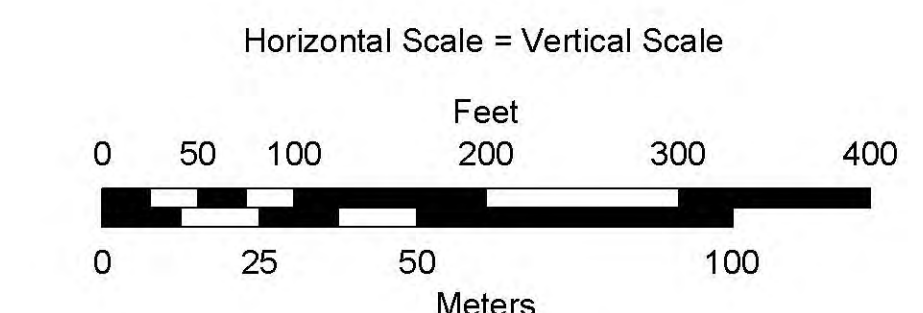
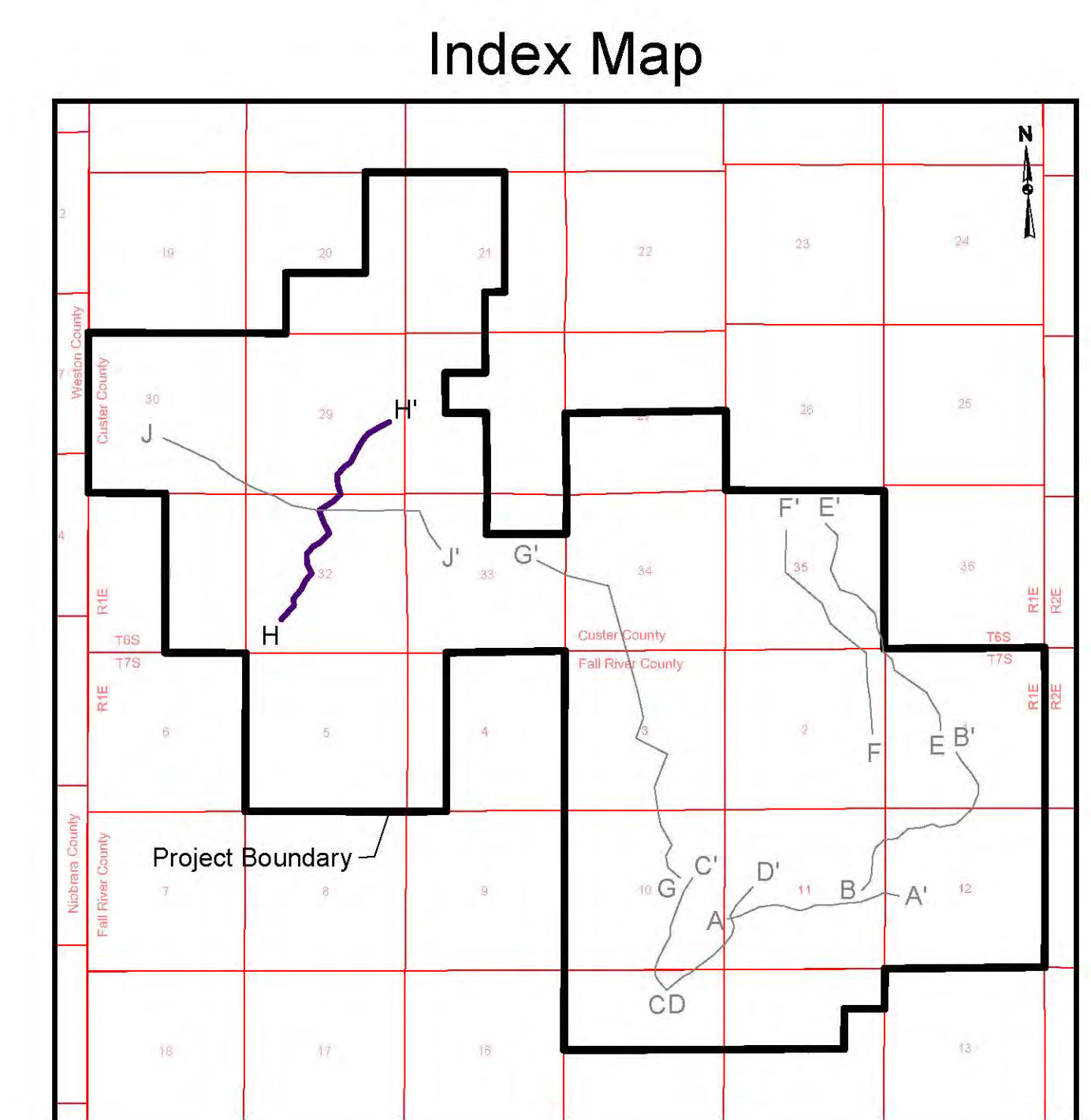
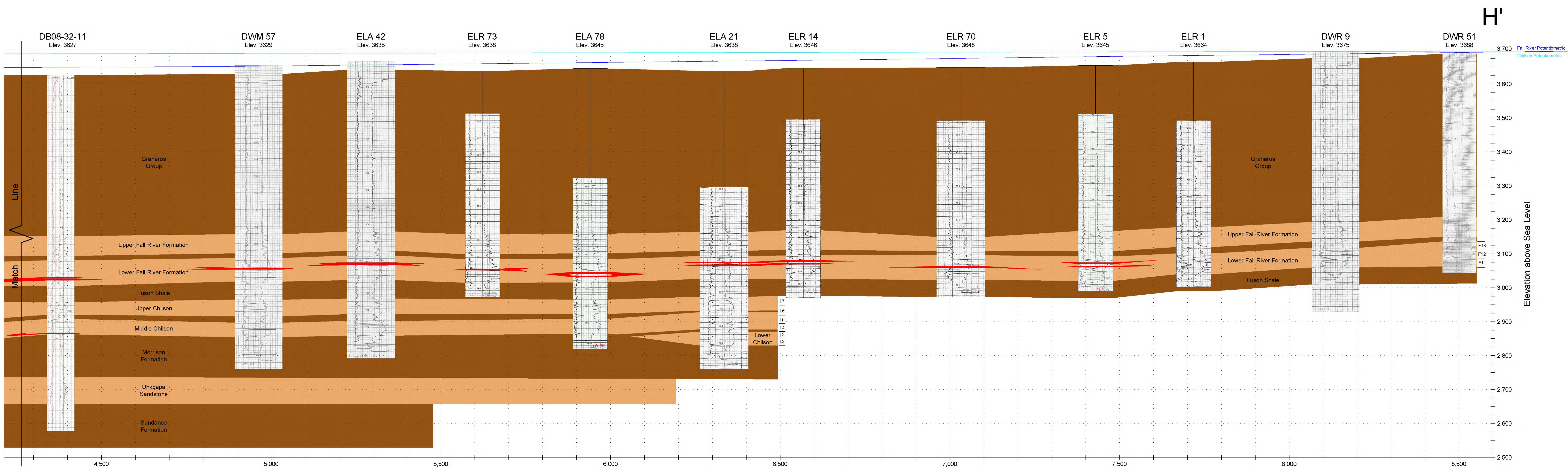
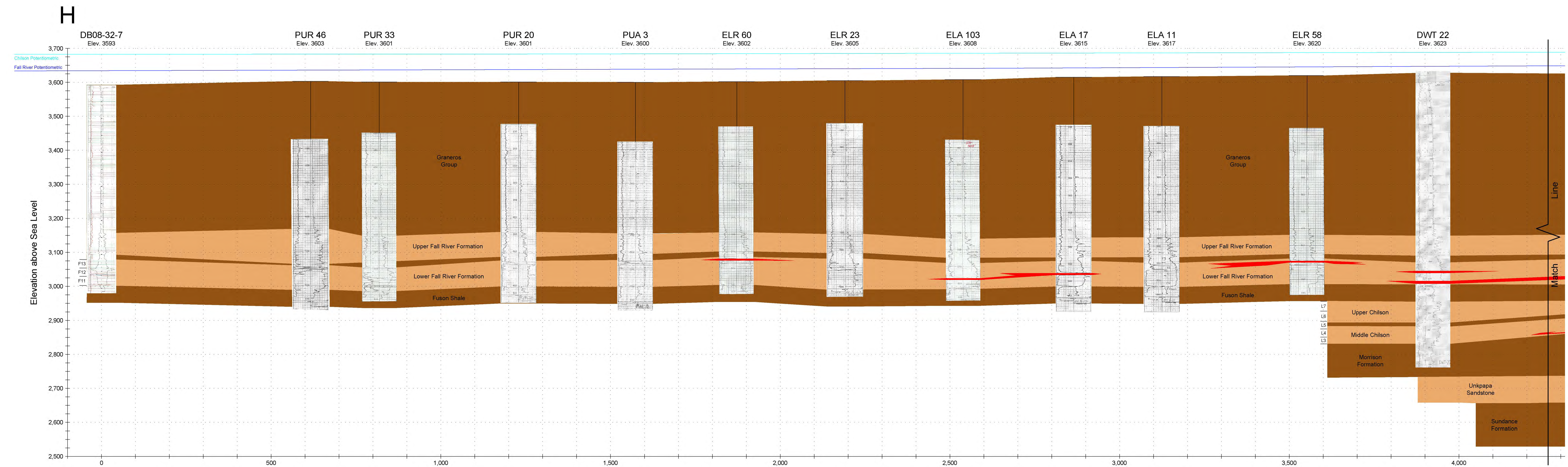
[illegible]



- Legend**
- Ore
 - Confining Clays and Shale
 - Sand



CONSULTANT		<div></div> <div>POWERTECH (USA) INC.</div> <div>Plate 2.6-12d</div> <div>Cross Section D - D'</div>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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- Legend**
- Ore
 - Confining Clays and Shale
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Legend

- Ore
- Confining Clays and Shale
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PowerTech (USA) Inc.

Plate 2.6-12h

Cross Section H - H'

Dewey-Burdock Project

NAD 27, South Dakota State Plane South

2013 revision: x, dewey, h-h.dwg

