

**LEGEND**

- - - - STUDY AREA
- - - - PERMIT BOUNDARY
- - - - MINE PIT BOUNDARY
- D COAL THICKNESS CONTOUR (INTERVAL = 2 FT)
- BOREHOLE/WELL LOCATION AND D COAL THICKNESS (ABOVE FEET MEAN SEA LEVEL)
- D COAL OUTCROP
- D COAL SUBCROP
- - - - INCREASED WEATHERING AREA
- SECTION
- TOWNSHIP & RANGE

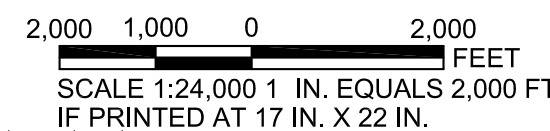
**REFERENCE**

Study Area: Golder 10/18/2007  
 Permit Boundary: Norwest, 11/12/2009.  
 Mine Pit Boundary: Norwest, 01/20/2010.  
 Coal Seam Thickness, Outcrop, Subcrop, Increased Weathering Area: Norwest, 06/02/2008.  
 Township, Range and Section: ND HUB, 6/20/2006.  
 Projection: StatePlane, North Dakota South, NAD27, Feet.

**NOTES**

These were created as part of the geologic model for the mine plan. Contours are based on inverse distance squared and triangulation calculations and have occasional contouring breaks.

D Coal not encountered in every borehole shown on figure.



REV	DATE	DES	COMPLETENESS	COMMENT	EGM	RDT	JRH
07/09/10		EGM					

PROJECT: SOUTH HEART COAL LLC  
 SOUTH HEART LIGNITE MINE  
 SOUTH HEART, NORTH DAKOTA



TITLE: **D COAL THICKNESS**

<b>NORWEST CORPORATION</b>	PROJECT No.	4284-01-400	FILE No.	D Seam THK & ELV.dwg
	DESIGN	EGM	03/11/08	SCALE AS NOTED
	CADD	EGM	01/22/10	REV. 1
	CHECK	RDT	02/10/10	
	REVIEW	JRH	02/15/10	

Figure 2.3-6