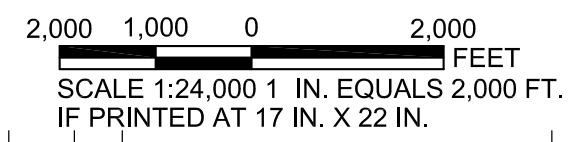


**LEGEND**

- DRILL HOLE (LIGNITE SULFUR CONTENT %)
- STUDY AREA
- PERMIT BOUNDARY
- MINE PIT BOUNDARY
- SECTION
- TOWNSHIP & RANGE
- D COAL SULFUR CONTENT ISOPACH
- SHMW-03HTB MONITORING WELL (NOT IN MODEL)

**REFERENCE**

Study Area: Golder 10/18/2007  
 Permit Boundary: Norwest, 11/12/2009.  
 Mine Pit Boundary: Norwest, 01/20/2010.  
 Contours: Generated from Survcad, Carlson Mining 2008, 03/10/08.  
 Borehole & Well Locations: Interstate Engineering, Inc., 04/23/2008 and Norwest 7/09/2007.  
 PLSS: ND HUB, 6/20/2006.  
 Projection: StatePlane, North Dakota South, NAD27, Feet.



REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RW
03/31/10	EGM		ORIGINAL PERMIT SUBMITTAL	EGM	RTD	JRH

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

TITLE: **D COAL SULFUR CONTENT (%) (As-received basis)**

<b>NORWEST CORPORATION</b>	PROJECT No.	4284-01-400	FILE No.	D Seam Qual@res.dwg
	DESIGN	EGM	03/11/08	SCALE AS NOTED
	CADD	EGM	01/22/10	REV. 0
	CHECK	RTD	02/10/10	
	REVIEW	JRH	02/15/10	

Figure 2.3-36