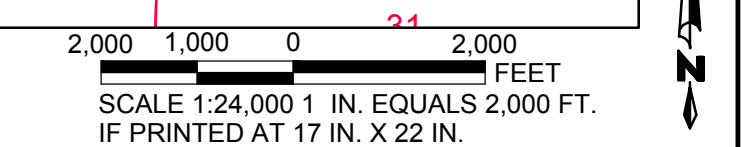


- LEGEND**
- PERMIT BOUNDARY
  - MINE PIT BOUNDARY
  - DRAINAGE WAY
  - TOWNSHIP & RANGE
  - SECTION
  - ■ ■ STOCKPILES (SPGM, OVERBURDEN, COAL)

- ROUGH GRADING**
- YEAR 2015
  - YEAR 2016
  - YEAR 2017
  - YEAR 2018
  - YEAR 2019

**REFERENCE**

Permit Boundary: Norwest, 11/12/2009.  
 Mine Pit Boundary: Norwest, 01/20/2010.  
 PLSS: ND HUB, 6/20/2006.  
 Drainage Ways: Digitized from aerial photography, 6/19/2007.  
 Contours: Generated from aerial photography stereo pairs, 6/19/2007.  
 Projection: StatePlane, North Dakota South, NAD27, Feet.



REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RWH
03/31/10	JDS		ORIGINAL PERMIT SUBMITAL	JDS	JRH	JRH
			REVISION DESCRIPTION			

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

TITLE: **ROUGH GRADING SEQUENCE MAP**

PROJECT No. 4284-01-400 FILE No. Rough Grading Sequence.dwg

DESIGN	JDS	08/08/09	SCALE	AS SHOWN	REV.	0
CADD	JDS	02/08/10				
CHECK	JRH	02/10/10				
REVIEW	JRH	02/15/10				

**NORWEST CORPORATION**

Figure 4.1-1