



- LEGEND**
- MINE PIT BOUNDARY
 - - - PERMIT BOUNDARY
 - - - DISTURBANCE BOUNDARY
 - DRAINAGE WAY
 - - - D SEAM OUTCROP
 - - - E SEAM OUTCROP
 - PONDS
 - DIVERSIONS
 - DITCH
 - HAUL ROAD
 - EXPLOSIVE MATERIALS STORAGE ACCESS ROAD
 - SITE ACCESS ROAD
 - TOPOGRAPHY (10 FT. INTERVALS)
 - TOPOGRAPHY INDEX (25 FT. INTERVALS)
 - TOPOGRAPHY INDEX (50 FT. INTERVALS)
 - RESIDENCE
 - CULVERT
 - GRASS FILTER/STRAW WATTLE
 - OUT-OF-PIT SPOIL STOCKPILE
 - SUITABLE PLANT GROWTH MATERIAL STOCKPILE
 - SUITABLE OVERBURDEN MATERIAL STOCKPILE
 - TOWNSHIP & RANGE
 - SECTION
 - 500 FT. BLASTING BUFFER FOR OCCUPIED DWELLINGS
 - MINE SUPPORT FACILITIES

REFERENCE

Permit Boundary: Norwest, 11/12/2009.
 Mine Pit Boundary: Norwest, 01/20/2009.
 Disturbance Boundary: Norwest, 02/05/2010.
 Township, Range and Section: 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.

1,000 500 0 1,000 FEET
 SCALE 1:12,000 1 IN. EQUALS 1,000 FT.
 IF PRINTED AT 36 IN. X 44 IN.

DATE	DESCRIPTION	BY	APP'D
12/11/12	CONSTRUCTION
08/17/12	CONSTRUCTION
06/17/12	CONSTRUCTION
05/08/12	CONSTRUCTION

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

PIT LAYOUT AND FACILITIES MAP

NORWEST CORPORATION

Figure 3.1-1