



REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RW
09/09/10	JDS		COMPLETENESS COMMENTS	JDS	JRH	JRH
03/31/10	JDS		ORIGINAL PERMIT SUBMITTAL	JDS	JRH	JRH

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



TITLE: GENERAL HAUL ROADS AND COAL RAMPS LAYOUT

DESIGN	JDS	01/28/10	SCALE	AS SHOWN	REV.	1
CADD	JDS	09/03/10				
CHECK	JRH	09/09/10				
REVIEW	JRH	09/09/10				



Figure 3.5-1

**LEGEND**

- PERMIT BOUNDARY
- MINE PIT BOUNDARY
- MAIN HAUL ROAD CENTERLINE
- LIGNITE RAMP CENTERLINE
- EXPLOSIVE MATERIALS STORAGE ACCESS ROAD
- MINE SUPPORT FACILITIES
- EXPLOSIVE STORAGE AREA
- CULVERT
- DRAINAGE WAY
- TOPOGRAPHY (5 FT. INTERVALS)
- TOWNSHIP & RANGE
- SECTION

**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.