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| △ | 12/13/10 | JDS | COMPLETENESS COMMENTS | JDS | JRH |
| △ | 09/09/10 | JDS | COMPLETENESS COMMENTS | JDS | JRH |
| △ | 03/31/10 | JDS | ORIGINAL PERMIT SUBMITTAL | JDS | JRH |
| REV | DATE | DES | REVISION DESCRIPTION | CADD | CHK |

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

TITLE: GENERAL HAUL ROADS AND COAL RAMPS LAYOUT

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|----------------------------|-------------|-------------|--|
| NORWEST CORPORATION | PROJECT No. | 4284-01-400 | FILE No. Haul Routes & Lignite Ramps.dwg |
| | DESIGN | JDS | 01/28/10 |
| | CADD | JDS | 09/03/10 |
| | CHECK | JRH | 12/13/10 |
| | REVIEW | JRH | 12/13/10 |

Figure 3.5-1

- LEGEND**
- PERMIT BOUNDARY
 - MINE PIT BOUNDARY
 - MAIN HAUL ROAD CENTERLINE
 - LIGNITE RAMP CENTERLINE
 - FACILITIES ACCESS ROAD
 - 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.