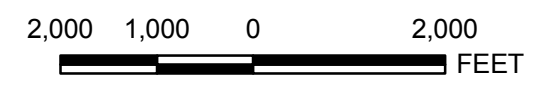


**LEGEND**

- Permit Boundary
- Soil Study Area
- Soil Observation Points**
  - Recorded Only
  - Sampled - Labeled with Unique Site ID
- Soil Map Unit
- Miscellaneous Areas**
  - Farmsteads
  - Rights-of-Way and Lanes
  - Water and Permanently Wet Areas
  - Other Disturbed Areas
- Detailed Map Sheet Limits
- Railroad
- Paved Road
- Unpaved Road
- Drainage Way
- Township and Range
- Section

**REFERENCE**

Permit Boundary: Norwest: 11/12/2009.  
 Township Range and Section: ND HUB,  
 6/20/2006.  
 Roads, Railroad, Drainage Ways: Digitized  
 from aerial photography, 6/19/2006.  
 Projection: StatePlane, North Dakota South,  
 NAD27, Feet.



SCALE 1:24,000 1 IN = 2,000 FT  
 IF PRINTED AT 17 IN X 22 IN

| REV | DATE | DES | REVISION DESCRIPTION | GIS | CHK | RWV |
|-----|------|-----|----------------------|-----|-----|-----|
|     |      |     |                      |     |     |     |

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

TITLE: **OVERVIEW OF SOIL STUDY AREA**

|             |           |            |                     |
|-------------|-----------|------------|---------------------|
| PROJECT NO. | 083-2212A | FILE       | SH_SoilOverview.mxd |
| DESIGN      | AJR       | 01/18/2010 | SCALE AS SHOWN      |
| GIS         | AJR       | 01/18/2010 | REV. 0              |
| CHECK       | AM        | 01/18/2010 |                     |
| REVIEW      | RLK       | 01/18/2010 |                     |

**FIG 2.4-1**