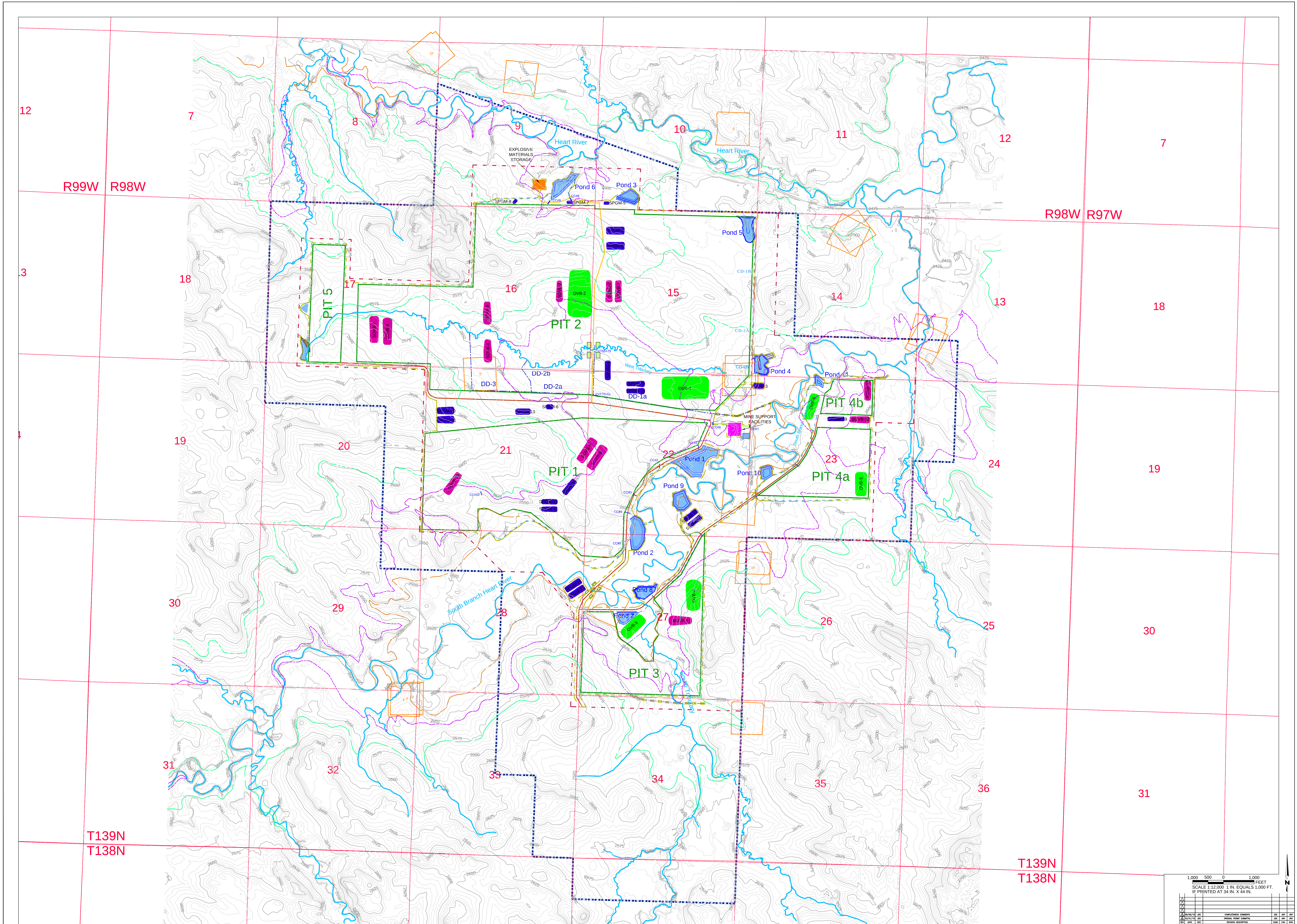




- LEGEND**

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

TOPOGRAPHY (10 FT. INTERVALS)

TOPOGRAPHY INDEX (25 FT. INTERVALS)

MINE SUPPORT FACILITIES

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

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 HUR, 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 1:32,000 1 IN. EQUALS 1,000 FT.

IF PRINTED AT 36 IN. X 48 IN.

DATE	DESCRIPTION	BY	CHK
11/12/2009	COMPILED	AS	AS
02/05/2010	ORIGINAL	AS	AS
06/19/2007	DRAINAGE	AS	AS

NORWEST

CORPORATION

PROJECT

SOUTH HEART COAL LLC

SOUTH HEART LIGNITE MINE

SOUTH HEART, NORTH DAKOTA

PIT LAYOUT AND FACILITIES MAP

Figure 3.1-1