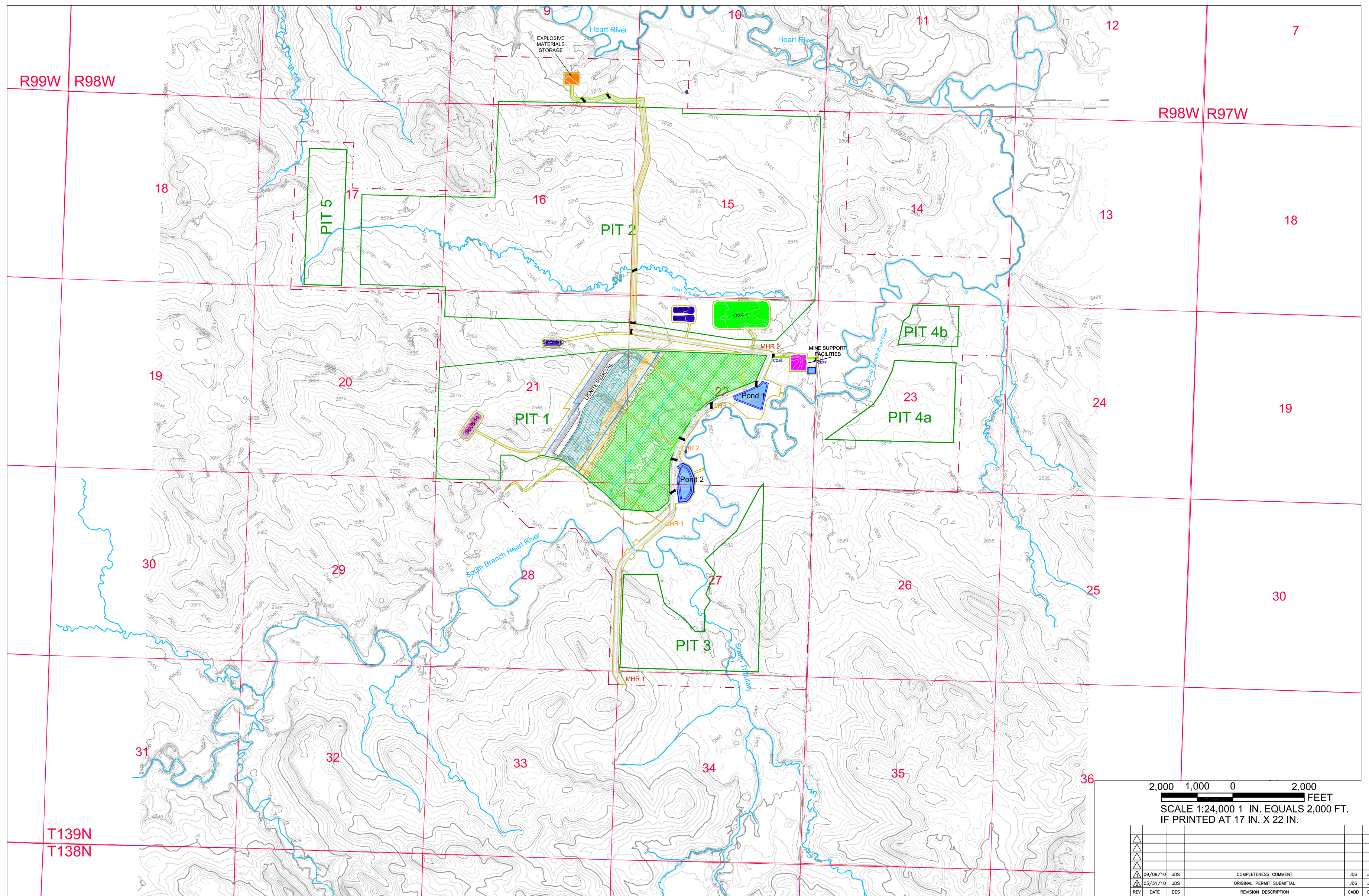




LEGEND

- PERMIT BOUNDARY
- MINE PIT BOUNDARY
- WORST CASE SCENARIO DISTURBANCE BOUNDARY
- DRAINAGE WAY
- HAUL ROUTE
- SITE ACCESS ROAD
- PIT ACCESS ROAD/DUMP ACCESS ROAD
- COAL ACCESS RAMP

TOPOGRAPHY (5 FT. INTERVALS)

- PONDS
- DITCH
- TOWNSHIP AND RANGE
- SECTION
- SUITABLE OVERBURDEN MATERIAL STOCKPILE
- SUITABLE PLANT GROWTH MATERIAL STOCKPILE
- CULVERT

SPOILS AREA

REGRADE AREA

RE-TOPSOIL AREA

RE-VEGETATION AREA

YEAR MINED

- YEAR 2014
- YEAR 2015
- YEAR 2016
- YEAR 2017
- YEAR 2018

REFERENCE

Permit Boundary: Norwest, 11/12/2009.
Disturbance Boundary: Norwest, 02/05/2010.
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.

2,000 1,000 0 2,000
FEET
SCALE 1:24,000 1 IN. EQUALS 2,000 FT.
IF PRINTED AT 17 IN. X 22 IN.

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RW
09/09/10	JDS		COMPLETENESS COMMENT	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
WORST CASE BOND MAP

NORWEST CORPORATION	PROJECT No.	4284-01-400	FILE No.	Worst Case Bond Map.dwg
	DESIGN	JDS	01/22/10	SCALE AS SHOWN REV. 1
	CADD	JDS	09/08/10	
	CHECK	JRH	09/09/10	
	REVIEW	JRH	09/09/10	Figure 4.1-5