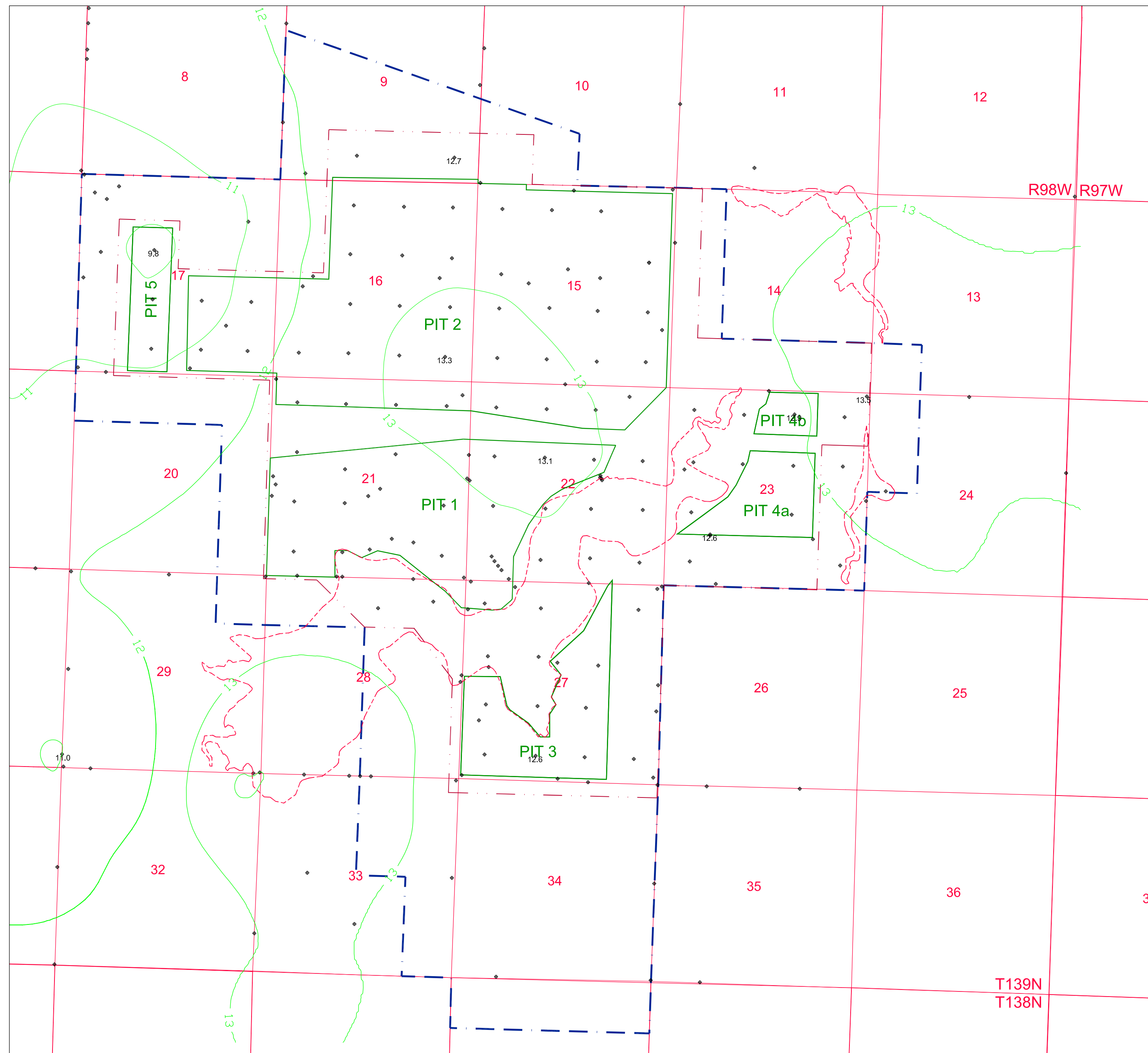


### LEGEND

- STUDY AREA
- PERMIT BOUNDARY
- MINE PIT BOUNDARY
- HT BUTTE COAL THICKNESS  
CONTOUR (INTERVAL = 1 FT)
- $\oplus$   
13.3 BOREHOLE/WELL LOCATION AND HT BUTTE  
COAL THICKNESS (FEET ABOVE MEAN  
SEA LEVEL)
- INCREASED WEATHERING AREA
- SECTION
- TOWNSHIP & RANGE



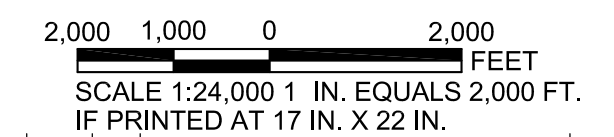
### REFERENCE

Study Area: Golder 10/18/2007  
 Permit Boundary: Norwest, 11/12/2009.  
 Mine Pit Boundary: Norwest, 01/20/2010.  
 Coal Seam Thickness, Outcrop, Subcrop, Increased  
 Weathering Area: Norwest, 06/02/2008.  
 Township, Range and Section: ND HUB, 6/20/2006.  
 Projection: StatePlane, North Dakota South, NAD27,  
 Feet.

### NOTES

These were created as part of the geologic model for  
 the mine plan. Contours are based on inverse distance  
 squared and triangulation calculations and have  
 occasional contouring breaks.

HT Butte Coal not encountered in every borehole  
 shown on figure.



REV	DATE	DES	COMPLETENESS COMMENT	EGM	RDT	JRH

PROJECT

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

TITLE

**HT BUTTE COAL THICKNESS**

PROJECT No.	4284-01-400	FILE No.	HT Seam THK & ELV.dwg
DESIGN	EGM 03/11/08	SCALE	AS NOTED
CADD	EGM 01/22/10	REV.	1
CHECK	RDT 02/10/10	Figure 2.3-5	
REVIEW	JRH 02/15/10		

