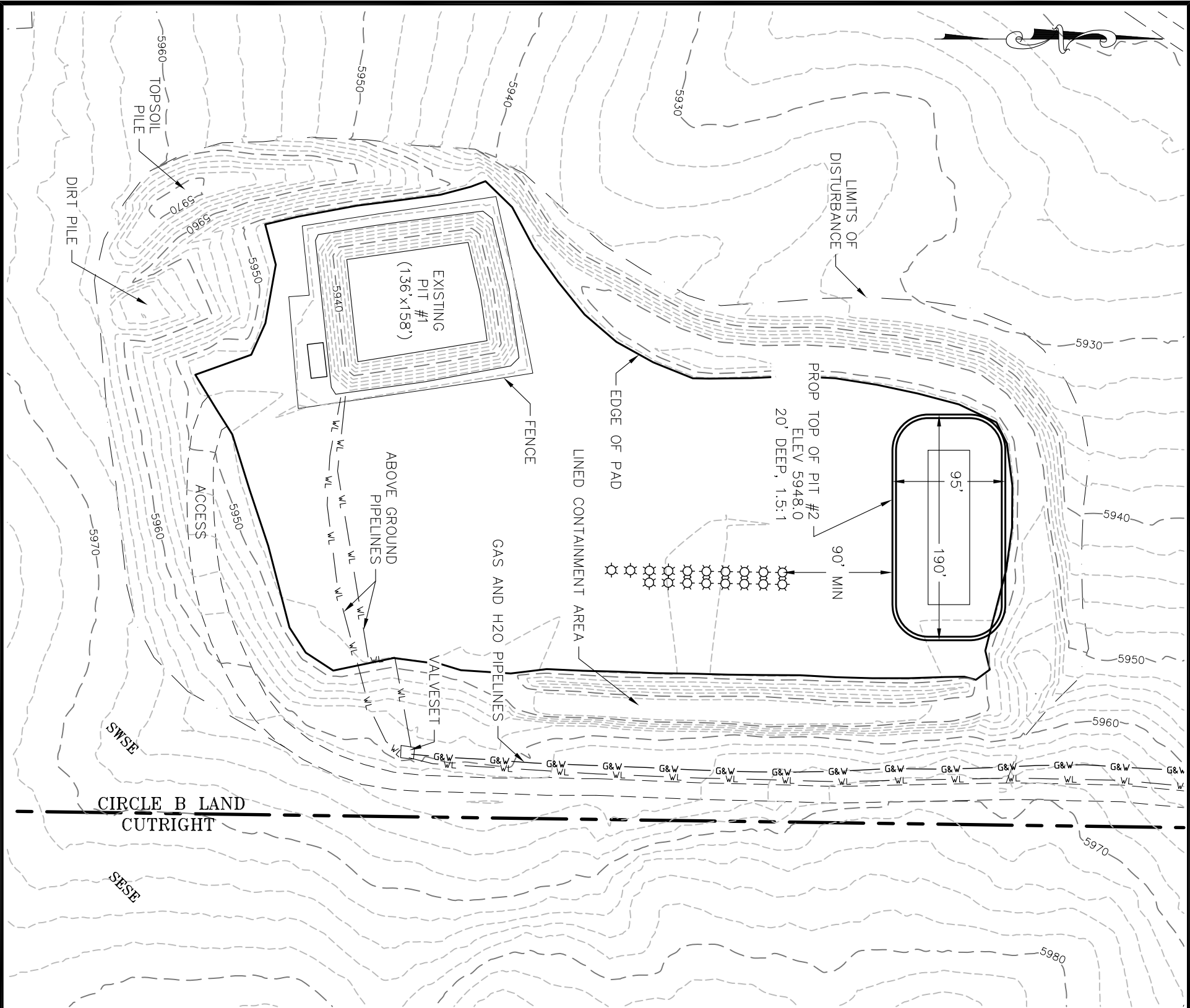


**WERNER SWSE-23-692 PAD - PIT #2**  
**SW<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub> SEC. 23, T. 6 S., R. 92 W., 6TH P.M.**  
**GARFIELD COUNTY, COLORADO**



**PIT #1 VOLUME CALC'S (ASBUILT):**

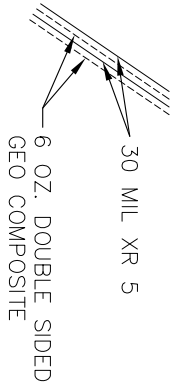
AREA OF TOP =	20,995 FT	AVERAGE TOP ELEV. =	5949.0
AREA OF BOTTOM =	<u>9,181 FT</u>	AVERAGE BOTTOM ELEV. =	<u>5932.54</u>
AVERAGE AREA =	30,176/2 = 15,088 FT	AVERAGE PIT DEPTH =	16.5 FT
TOTAL VOLUME = 15,088 * 16.5 =	248,952 CU FT OR <u>44,340 BBL</u>		
WORKING VOLUME = 15,088 * 14.5 =	218,776 CU FT OR <u>38,966 BBL</u>		

**PIT #2 VOLUME CALC'S (DESIGN):**

SURFACE AREA OF TOP =	17,274 SQ FT	DESIGN TOP ELEV. =	5948.0
SURFACE AREA OF BOTTOM =	5,200 SQ FT	DESIGN BOTTOM ELEV. =	5928.0
SURFACE AREA AT FREEBOARD =	15,747 SQ FT =	DESIGN FREEBOARD =	5946.0
TOTAL DESIGN CAPACITY = 40,028 BBL (8324 CY)			
DESIGN WORKING VOLUME =	<u>33,557 BBL</u>		

**TOTAL DISTURBED AREA:**



AREA INSIDE LIMITS OF DISTURBANCE LINE = 369,782 SQ FT OR 8.49 ACRES



**PIT LINER DETAIL**

**NOTES:**

- 1) CONTOUR INTERVAL IS 2 FOOT
- 2) SURVEY DATE: 11/4/11
- 3) INSTRUMENT OPERATOR: TAB
- 4) PDOP MASK SET TO 6, ELEV MASK SET TO 15°
- 4) LATs AND LONGs ARE IN DECIMAL DEGREE FORMAT
- 5) DATUM IS COLORADO STATE PLANE, CENTRAL ZONE, NAD 83
- 6) PIT WAS FILLED WITH FLUID AT TIME OF SURVEY, THEREFORE, PIT DEPTH IS ESTIMATED.

 <b>ECLIPSE</b> <i>surveying</i>	REV. DATE:	<u>1" = 100'</u>	 <b>Bill Barrett Corporation</b>
	SCALE:	<u>2/23/12</u>	
	DATE:	<u>1 OF 1</u>	
	SHEET:	<u>CB WERNER</u>	
111 E. THIRD ST., SUITE 208, RIFLE, CO 81650 (970) 625-3048	PROJECT:	<u>TAB</u>	<b>WERNER SWSE-23-692</b> <b>SEC 23, T.6S., R.92W., 6TH P.M.</b>