

*Completion pit will not be constructed or utilized at this location.

ESTIMATED DIRT QUANTITIES				
ITEM	CUT	FILL	TOPSOIL	EXCESS
PAD	28989	20282	6608	2099
TOTALS	28989	20282	6608	2099

- NOTES:**
- 1) TOPSOIL VOLUME BASED ON 12" TOPSOIL DEPTH.
 - 2) WELL ARE SPACED 8' ON CENTER IN TWO ROWS 10' APART.
 - 3) 1-1/2:1 SIDESLOPES UNLESS OTHERWISE NOTED
 - 4) CONTOUR INTERVAL IS 2 FEET.
 - 5) PAD QUANTITIES INCLUDE THE PRODUCTION PAD QUANTITIES.



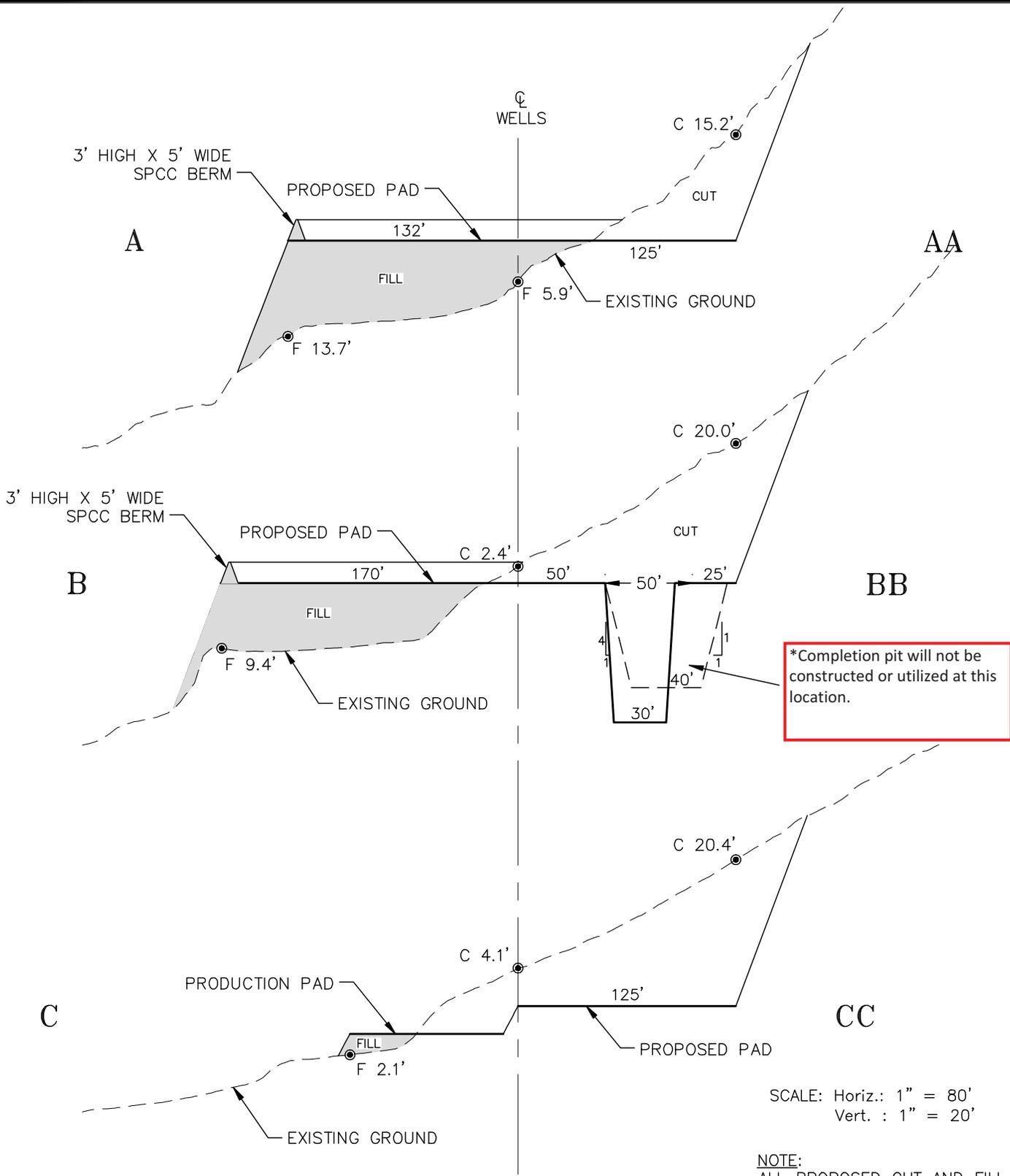
ECLIPSE
surveying

111 E. THIRD ST., SUITE 208, RIFLE, CO 81650
(970) 625-3048

REV. DATE: 5/24/11
SCALE: 1" = 100'
DATE: 7/30/10
SHEET: 1 OF 7
PROJECT: MILLER 9
DFT: JAK



MILLER PAD 9
GRADING PLAN & PAD LAYOUT



*Completion pit will not be constructed or utilized at this location.

SCALE: Horiz.: 1" = 80'
 Vert. : 1" = 20'

NOTE:
 ALL PROPOSED CUT AND FILL
 SIDE SLOPES ARE AT 1.5:1
 UNLESS OTHERWISE NOTED.



ECLIPSE
 surveying
 111 E. THIRD ST., SUITE 208, RIFLE, CO 81650
 (970) 625-3048

REV. DATE:	5/24/11
SCALE:	AS NOTED
DATE:	07/30/10
SHEET:	2 OF 7
PROJECT:	MILLER 9
DFT:	JAK



VANGUARD
 OPERATING, LLC

MILLER PAD 9
DRILL PAD CROSS SECTIONS