N
Prevailing Winds

COLORADO REGISTERED
NELSON
PROFESSIONAL ENGINEER
Harold Madsen
01-10-18

(VB) Topsoil Berm

1.25 Ac. to Deten. Pond #2
4,000 cu.ft./Ac. Pad
Vol. = 5,000 cu.ft.
L= 39', W=80', D=4'

Detention Pond

4 F-4.9'
El. 639.8'

Existing Pipeline

Existing 2-Track

Topsoil Stockpile
(48'x26'x12' High)

3 F-4.8'
El. 639.9'

Proposed Diversion Ditch (2' Deep)

Existing CP07B-09
Existing CP14A-09
Existing CP02D-09
Existing CP11B-09

0.09 Ac. to Sed. Res. #2
3,600 cu.ft./Ac. Drainage
Vol. = 324 cu.ft.
L= 14', W=30', D=2'

Existing Compressor Pad

(VB)

SedR

F-9.8'
El. 634.9'
2

Proposed Access Road

SCE

Existing Condensate Tank/Barrier

Existing Control Panel

Edge Of Existing Pad

Existing Production Unit

"E"   "E"

Existing Compressor Buildings

"D"

Proposed Access Road

Existing Guard Fence
Existing Riser

Existing Riser
Existing Solar Panel

F-1.0'   C-0.7'
El. 642.2   El. 645.3'
NPR 21C-9 596   NPR 22D-9 596
NPR 22A-9 596   NPR 23A-9 596
NPR 22B-9 596   NPR 23B-9 596
NPR 21B-9 596   NPR 23C-9 596
NPR 21A-9 596   NPR 23D-9 596
NPR 25D-9 596   NPR 24A-9 596
NPR 25C-9 596   NPR 24B-9 596
C-0.2'   C-1.9'
El. 645.3'   El. 647.0'

5 C-30.5'
El. 675.2'

F-21.8'
El. 622.9'
1

Topsoil Berm

"D"

"C"   "C"

C-3.3'   C-5.3'
El. 647.5'   El. 649.6'
NPR 11A-9 596   NPR 14C-9 596   100'
NPR 11B-9 596   NPR 14A-9 596
NPR 11C-9 596   NPR 14B-9 596
NPR 11D-9 596   NPR 13D-9 596
NPR 12A-9 596   NPR 13B-9 596
NPR 12B-9 596   NPR 13A-9 596
NPR 12C-9 596   NPR 12D-9 596
C-5.4'   C-7.7'
El. 650.4'   El. 652.7'

5A C-31.6'
El. 676.3'

Existing Road

SedR

0.41 Ac. to Sed. Res. #1
3,600 cu.ft./Ac. Drainage
Vol. = 1,476 cu.ft.
L= 41', W=30', D=3'

Existing Riser

(VB)

Existing Pipeline Can

Existing 42" Culvert

Cut/Fill Transition Line

Berm

Approx. Top of Cut Slope

"B"

"B"

Proposed Diversion Ditch (2' Deep)

6 C-20.7'
El. 665.4'

F-10.9'
El. 633.8'
9

Approx. Toe of Fill Slope

"A"

Cuttings Area

Existing Pipelines

6A C-12.5'
El. 657.2'

F-13.1'
El. 631.6
8

Install Rip-Rap

Detention Pond

(VB)

Topsoil Berm

7 F-10.2'
El. 654.9'

(VB)

"A"

2.85 Ac. to Deten. Pond #1
4,000 cu.ft./Ac. Pad
Vol. = 11,400 cu.ft.
L= 89', W=80', D=4'

Existing Edge of Multiple Pipeline Right-of-Way

SWMP LEGEND:
SCE – STABILIZED CONSTRUCTION ENTRANCE
SL – SLASH
SedR – SEDIMENT RESERVOIR
ST – SEDIMENT TRAP
VB – VEGETATED BUFFER
W – WATTLE

SWMP NOTE:
OWNER/OPERATOR IS RESPONSIBLE FOR SWMP. BMP DETAILS TO BE PROVIDED BY OTHERS. CONTACT ENGINEER FOR ANY DESIGN CHANGES TO STRUCTURAL BMP'S.
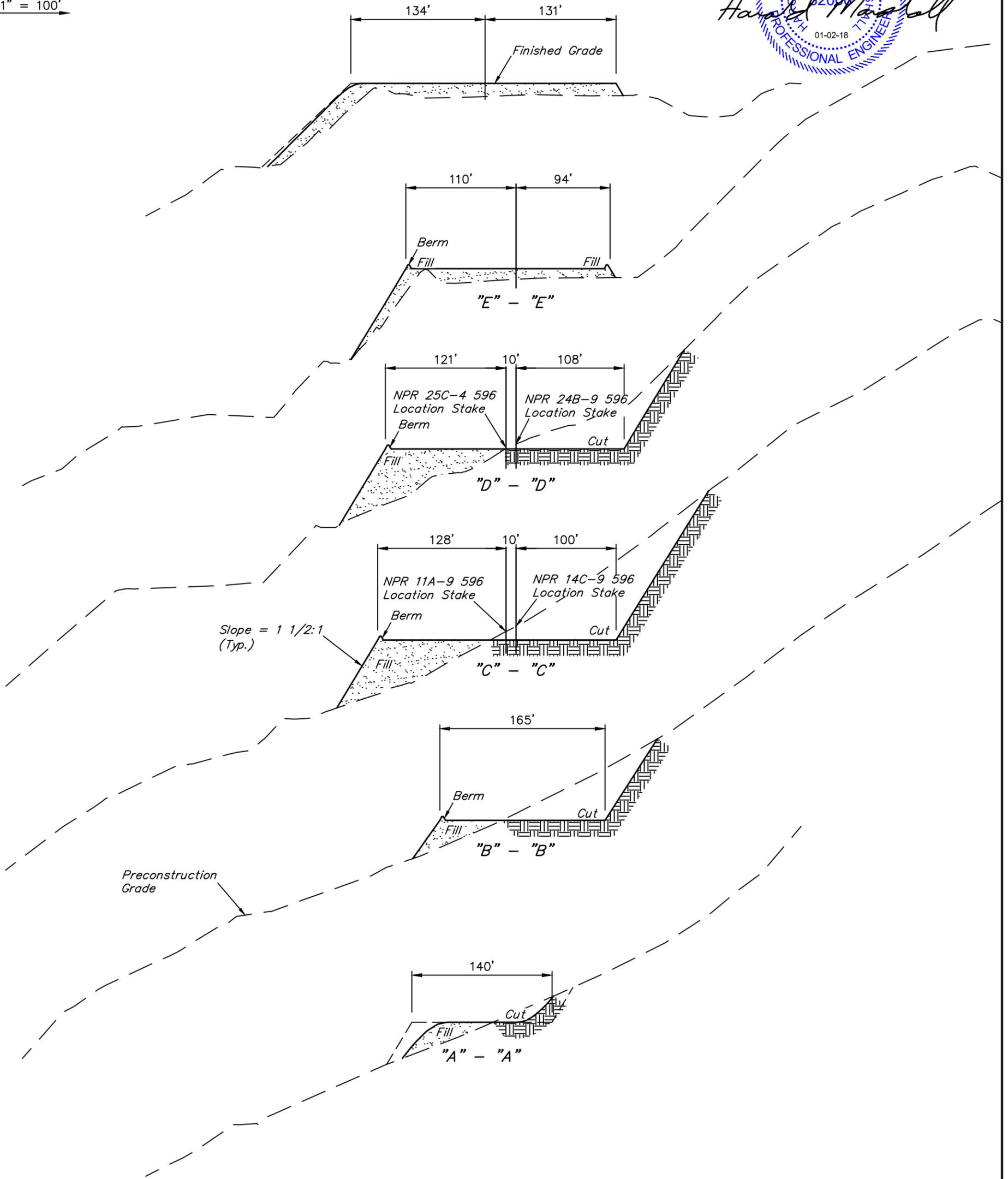
FINISHED GRADE ELEVATION = 7644.7'

NOTES:
- Flare stack is to be located a min. of 100' from the wellhead.
- Round corners at 35' radius or as needed.
- Construct diversion ditches as needed.
- Contours shown at 2' intervals.
- Cut/Fill slopes 1 1/2:1 (Typ.).

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

UINTAH
ENGINEERING & LAND SURVEYING

Caerus Oil & Gas LLC

NPR G09 596 PAD
SE 1/4 NW 1/4, SECTION 9, T5S, R96W, 6th P.M.
GARFIELD COUNTY, COLORADO

REV: 4   01-10-17   M.D. (SHL MOVE)

SURVEYED BY	BART HUNTING, J.F.	12-18-17	SCALE
DRAWN BY	M.D.	12-20-17	1" = 60'
CONSTRUCTION LAYOUT	FIGURE #1		

X–Section Scale

1" = 40'

1" = 100'

COLORADO REGISTERED
HAROLD NELSON MARSHALL
32000
01-02-18
PROFESSIONAL ENGINEER

134'   131'
Finished Grade

110'   94'
Berm
Fill   Fill
"E" – "E"

121'   10'   108'
NPR 25C–4 596
Location Stake
Berm
NPR 24B–9 596
Location Stake
Fill   Cut
"D" – "D"

128'   10'   100'
NPR 11A–9 596
Location Stake
Berm
NPR 14C–9 596
Location Stake
Slope = 1 1/2:1
(Typ.)
Fill   Cut
"C" – "C"

165'
Berm
Cut
Fill
"B" – "B"

Preconstruction
Grade

140'
Cut
Fill
"A" – "A"

APPROXIMATE EARTHWORK QUANTITIES	
(6") TOPSOIL STRIPPING (NEW CONSTRUCTION ONLY)	3,290 Cu. Yds.
REMAINING LOCATION	34,220 Cu. Yds.
TOTAL CUT	37,510 Cu. Yds.
FILL	34,220 Cu. Yds.
EXCESS MATERIAL	3,290 Cu. Yds.
TOPSOIL	3,290 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	0 Cu. Yds.

APPROXIMATE SURFACE DISTURBANCE AREAS		
	DISTANCE	ACRES
WELL SITE DISTURBANCE	NA	±6.224
30' WIDE ACCESS ROAD R-O-W DISTURBANCE (EXISTING 2-TRACK NEEDS UPGRADED)	±229'	±0.158
30' WIDE ACCESS ROAD R-O-W DISTURBANCE (NEW CONSTRUCTION ONLY)	±158'	±0.109
TOTAL SURFACE USE AREA		±6.491

REV: 3   12-20-17   M.D.   (BREAK OUT ROAD & ADD STAMP)

NOTES:
- Fill quantity includes 5% for compaction.
- Calculations based on 6" of topsoil stripping.
- Cut/Fill slopes 1 1/2:1 (Typ.).

Caerus Oil & Gas LLC

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GARFIELD COUNTY, COLORADO

SURVEYED BY	BART HUNTING, J.F.	12-18-17	SCALE
DRAWN BY	M.D.	12-20-17	AS SHOWN
CONSTRUCTION LAYOUT CROSS SECTIONS			FIGURE #2