

0.86 Ac. to Sed. Res. #2  
 3,600 cu.ft./Ac. Drainage  
 Vol. = 3096 cu.ft.  
 L= 19', W=85', D=5'

1.84 Ac. to Deten. Pond #1  
 4,000 cu.ft./Ac. Pad  
 Vol. = 7,360 cu.ft.  
 L= 48', W=40', D=8'

2.30 Ac. to Deten. Pond #2  
 4,000 cu.ft./Ac. Pad  
 Vol. = 9,200 cu.ft.  
 L= 31', W=154', D=4'

0.28 Ac. to Sed. Res. #1  
 3,600 cu.ft./Ac. Drainage  
 Vol. = 1,008 cu.ft.  
 L= 20', W=33', D=4'



Sta. 4+88

Sta. 3+25

Sta. 1+29

Sta. 0+00

**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.

REV: 2 07-31-17 M.D. (SHL CHANGE)

FINISHED GRADE ELEVATION = 8150.4'

- 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.).

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

**Caerus Oil & Gas LLC**  
 MESA P24-697  
 SE 1/4 SE 1/4, SECTION 24, T6S, R97W, 6th P.M.  
 GARFIELD COUNTY, COLORADO

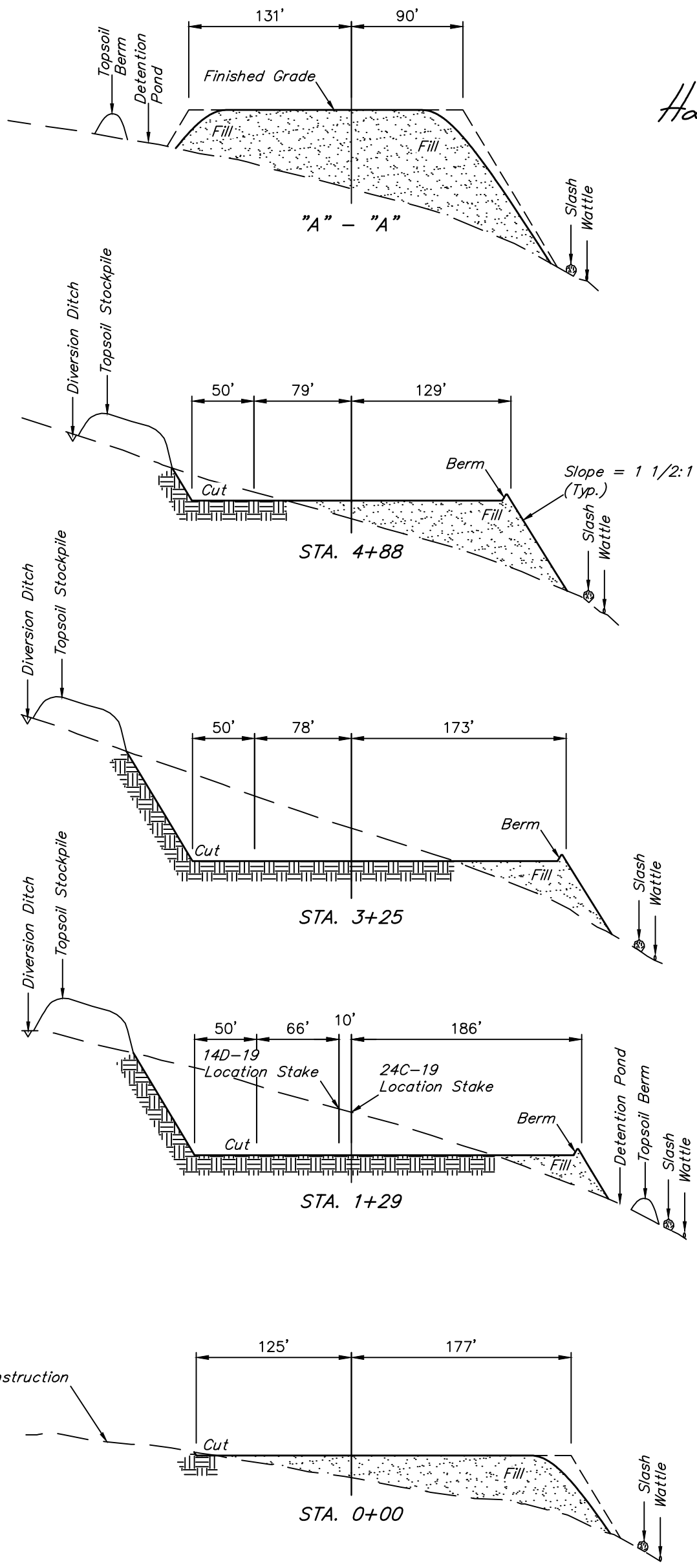
SURVEYED BY	DATE		
BRIAN BAKER	12-13-15		
DRAWN BY	DATE		
M.D.	01-28-16		
SCALE	1" = 60'		

**CONSTRUCTION LAYOUT FIGURE #1**



**UELS, LLC**  
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 Vernal, UT 84078 \* (435) 789-1017

1" = 40'  
X-Section Scale  
1" = 100'



APPROXIMATE EARTHWORK QUANTITIES	
(6") TOPSOIL STRIPPING	4,670 Cu. Yds.
REMAINING LOCATION	53,320 Cu. Yds.
<b>TOTAL CUT</b>	<b>57,990 Cu. Yds.</b>
<b>FILL</b>	<b>53,320 Cu. Yds.</b>
EXCESS MATERIAL	4,670 Cu. Yds.
TOPSOIL	4,670 Cu. Yds.
<b>EXCESS UNBALANCE</b> (After Interim Rehabilitation)	<b>0 Cu. Yds.</b>

APPROXIMATE SURFACE DISTURBANCE AREAS		
	DISTANCE	ACRES
WELL SITE DISTURBANCE	NA	±7.745
30' WIDE ACCESS ROAD R-O-W DISTURBANCE	±1458'	±1.004
30' WIDE PIPELINE R-O-W DISTURBANCE	±279'	±0.192
<b>TOTAL SURFACE USE AREA</b>		<b>±8.941</b>

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**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	DATE	REVISED BY	DATE
BRIAN BAKER	12-13-15		
DRAWN BY	DATE		
M.D.	01-28-16		
SCALE	AS SHOWN		

**CONSTRUCTION LAYOUT CROSS SECTIONS** **FIGURE #2**



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