

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'

**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: 1 05-17-16 C.D.L. (CHANGE FLARE PIT TO FLARE STACK)

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. except where noted).

- 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

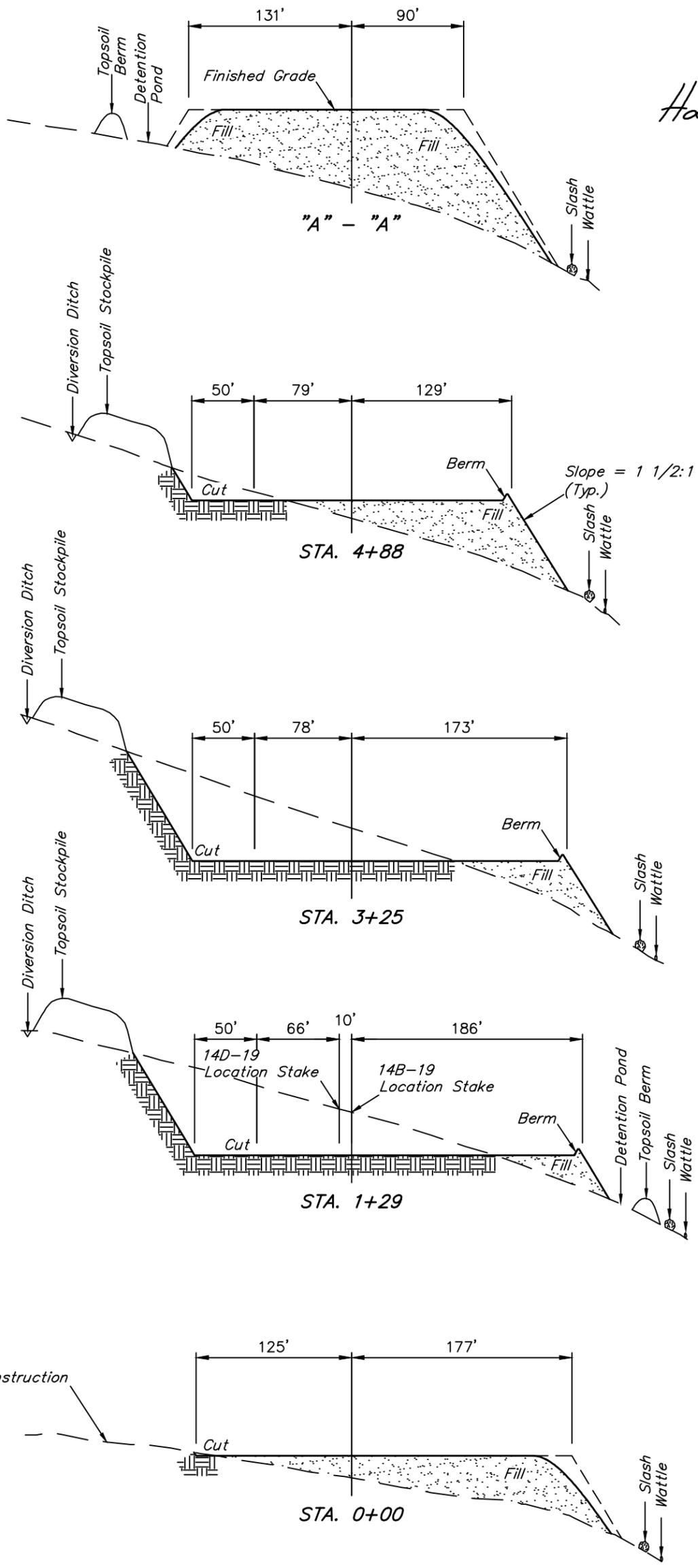
SURVEYED BY	DATE		
BRIAN BAKER	12-13-15		
DRAWN BY	DATE		
M.D.	01-28-16		
SCALE	1" = 60'		

**CONSTRUCTION LAYOUT FIGURE #1**



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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>

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

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SURVEYED BY	DATE	REVISED BY	DATE
BRIAN BAKER	12-13-15		
<b>DRAWN BY</b>	<b>DATE</b>		
M.D.	01-28-16		
<b>SCALE</b>	<b>AS SHOWN</b>		



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**CONSTRUCTION LAYOUT CROSS SECTIONS FIGURE #2**