

- 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 NOTE:**  
 OWNER/OPERATOR IS RESPONSIBLE FOR SWMP. BMP DETAILS TO BE PROVIDED BY OTHERS. CONTACT ENGINEER FOR ANY DESIGN CHANGES TO STRUCTURAL BMP'S.

**Caerus Oil & Gas LLC**

**BJU M23A 496 PAD**  
**W 1/2 SW 1/4, SECTION 23, T4S, R96W, 6th P.M.**  
**GARFIELD COUNTY, COLORADO**

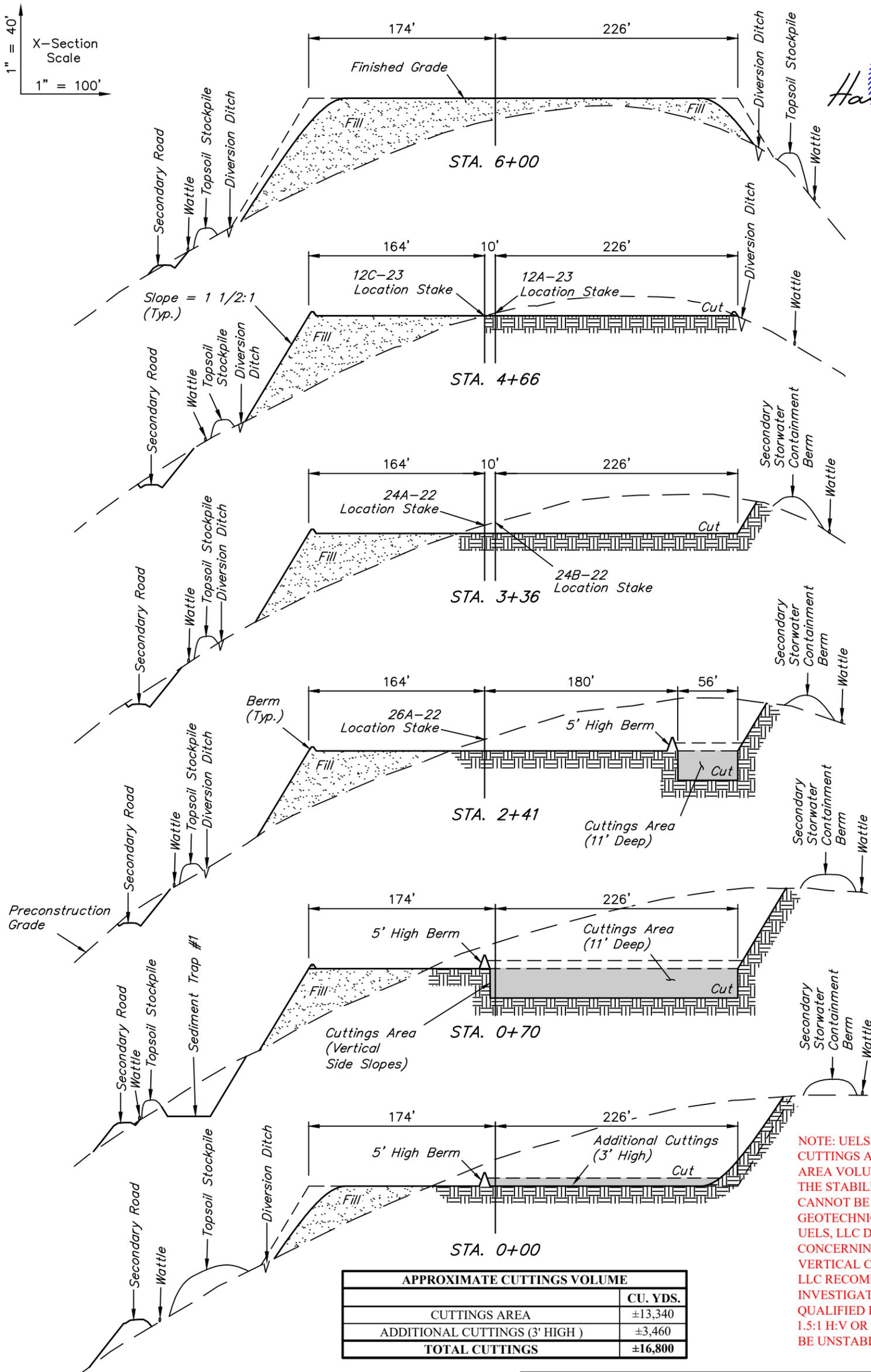
<b>SURVEYED BY</b>	BART HUNTING, D.S.	03-18-20	<b>SCALE</b>
<b>DRAWN BY</b>	T.L.L.	03-23-20	1" = 80'

**CONSTRUCTION LAYOUT FIGURE #1**



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

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



**NOTE:**  
Additional 3' High Cuttings Volume = 3,460 Cu. Yds. Above Finished Grade within 5' High Berm Area.

**NOTE:** UELS, LLC WAS REQUESTED TO COMPUTE CUTTINGS AREA AND ASSOCIATED CUTTINGS AREA VOLUMES WITH VERTICAL SIDE SLOPES. THE STABILITY OF VERTICAL EARTH CUTS CANNOT BE DETERMINED WITHOUT GEOTECHNICAL INVESTIGATION. THEREFORE, UELS, LLC DOES NOT ASSUME ANY LIABILITY CONCERNING THE SAFETY OR STABILITY OF VERTICAL CUTS SHOWN ON THIS PLAT. UELS, LLC RECOMMENDS A GEOTECHNICAL INVESTIGATION TO BE PERFORMED BY A QUALIFIED ENGINEER ON SLOPES STEEPER THAN 1.5:1 H:V OR LESS STEEP WHEN SOILS APPEAR TO BE UNSTABLE.

APPROXIMATE CUTTINGS VOLUME	
	CU. YDS.
CUTTINGS AREA	±13,340
ADDITIONAL CUTTINGS (3' HIGH)	±3,460
<b>TOTAL CUTTINGS</b>	<b>±16,800</b>

APPROXIMATE EARTHWORK QUANTITIES	
(6") TOPSOIL STRIPPING	5,750 Cu. Yds.
REMAINING LOCATION	71,070 Cu. Yds.
Cuttings Area	13,340 Cu. Yds.
<b>TOTAL CUT</b>	<b>90,160 Cu. Yds.</b>
<b>FILL</b>	<b>71,070 Cu. Yds.</b>
EXCESS MATERIAL	19,090 Cu. Yds.
TOPSOIL & VAULT BACKFILL	19,090 Cu. Yds.
<b>EXCESS UNBALANCE</b> (After Interim Rehabilitation)	<b>0 Cu. Yds.</b>

APPROXIMATE SURFACE DISTURBANCE AREAS		
	DISTANCE	ACRES
WELL SITE DISTURBANCE	NA	±11.118
30' WIDE ACCESS ROAD R-O-W DISTURBANCE (EXISTING 2-TRACK)	±572'	±0.394
30' WIDE ACCESS ROAD R-O-W DISTURBANCE (NEW CONSTRUCTION ONLY)	±1388'	±0.956
30' WIDE SECONDARY ACCESS ROAD R-O-W DISTURBANCE (NEW CONSTRUCTION ONLY)	±2117'	±1.458
<b>TOTAL SURFACE USE AREA</b>		<b>±13.926</b>

REV: 6 06-10-20 T.L.L. (UPDATE NAMES & ROADS)

- NOTES:**
- Fill quantity includes 20% 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	BART HUNTING, D.S.	03-18-20	SCALE
DRAWN BY	T.L.L.	03-23-20	AS SHOWN
<b>CONSTRUCTION LAYOUT CROSS SECTIONS</b>			<b>FIGURE #2</b>