

GEOTECHNICAL SLOPE STABILITY ANALYSIS REQUIRED



Total Pit Volume = 12,540 Cu. Yds.

NOTE:
 PLACEMENT OF 11,120 CU. YDS. EXCESS MATERIAL TO BE DETERMINED AT A LATER DATE

FINISHED GRADE ELEVATION = 6051.9' REV: 3 10-23-18 T.S. (NAME CHANGE)

- NOTES:**
- Contours shown at 2' intervals.
 - Cut/Fill slopes 1 1/2:1 (Typ. except where noted).

TEP Rocky Mountain LLC

**GM 41-8 DRILLING PIT
 ON EXISTING GM 41-8 PAD
 LOT 1, SECTION 8, T7S, R96W, 6th P.M.
 GARFIELD COUNTY, COLORADO**

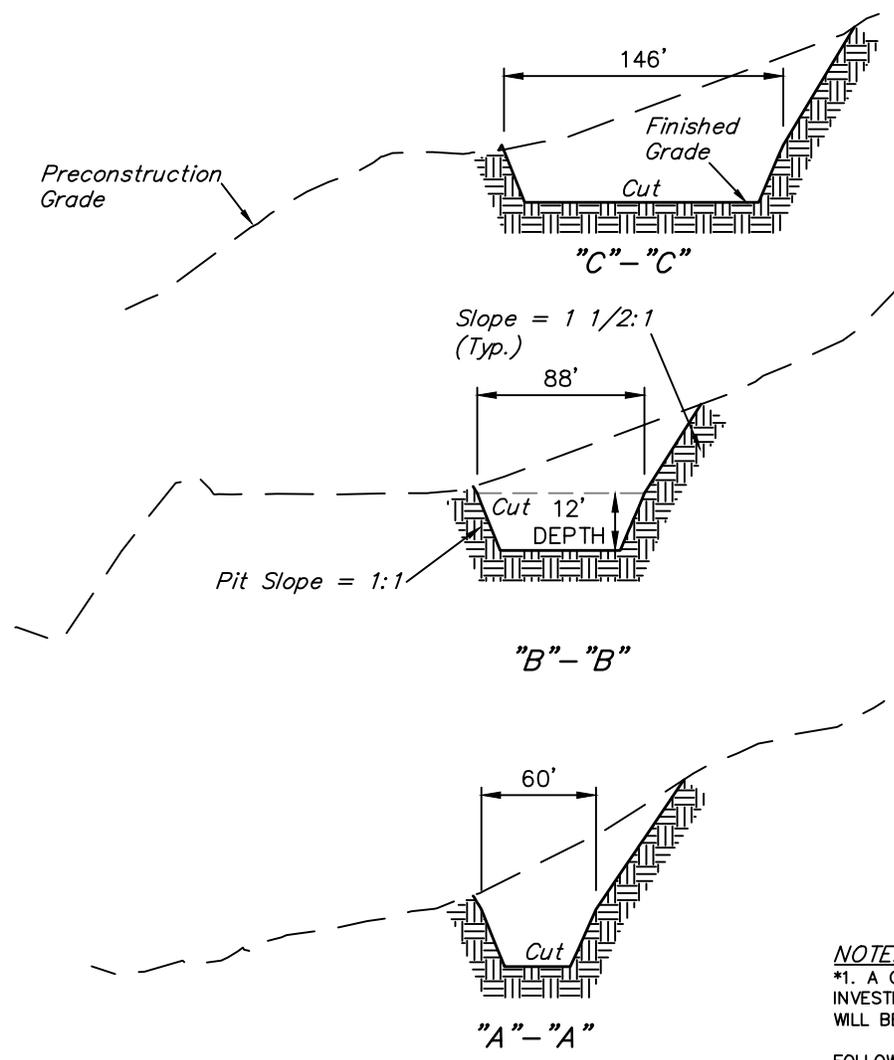
SURVEYED BY	MARTIN PIERCE	05-09-18	SCALE
DRAWN BY	T.S.	05-14-18	1" = 60'
CONSTRUCTION LAYOUT			PLAT #2

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

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



Harold Marshall



NOTE:
*1. A GEOTECHNICAL ENGINEER MUST PERFORM A SITE INVESTIGATION TO VERIFY THAT THE NATIVE MATERIAL WILL BE STABLE AT A 1:1 CUT/FILL SLOPES.
FOLLOW GEOTECHNICAL ENGINEERS RECOMMENDATIONS.
A RETAINING STRUCTURE MAY BE REQUIRED.

APPROXIMATE EARTHWORK QUANTITIES	
(6") TOPSOIL STRIPPING	870 Cu. Yds.
REMAINING LOCATION	7,760 Cu. Yds.
DRILLING PIT	12,540 Cu. Yds.
TOTAL CUT	21,170 Cu. Yds.
FILL	20 Cu. Yds.
EXCESS MATERIAL	21,150 Cu. Yds.
TOPSOIL & PIT BACKFILL	13,410 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	7,740 Cu. Yds.

APPROXIMATE SURFACE DISTURBANCE AREAS		
	DISTANCE	ACRES
WELL SITE DISTURBANCE OUTSIDE EXISTING DISTURBANCE	NA	±0.987
WELL SITE DISTURBANCE WITHIN EXISTING DISTURBANCE	NA	±2.071
TOTAL SURFACE USE AREA		±3.058

REV: 3 10-23-18 T.S. (NAME CHANGE)

- 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	MARTIN PIERCE	05-09-18	SCALE
DRAWN BY	T.S.	05-14-18	AS SHOWN
CONSTRUCTION LAYOUT CROSS SECTIONS			PLAT #3