

NOTE: Earthwork calculations require a fill @ the location stakes. All fill is to be compacted to a minimum of 95% of the maximum dry density obtained by AASHTO method t-99.

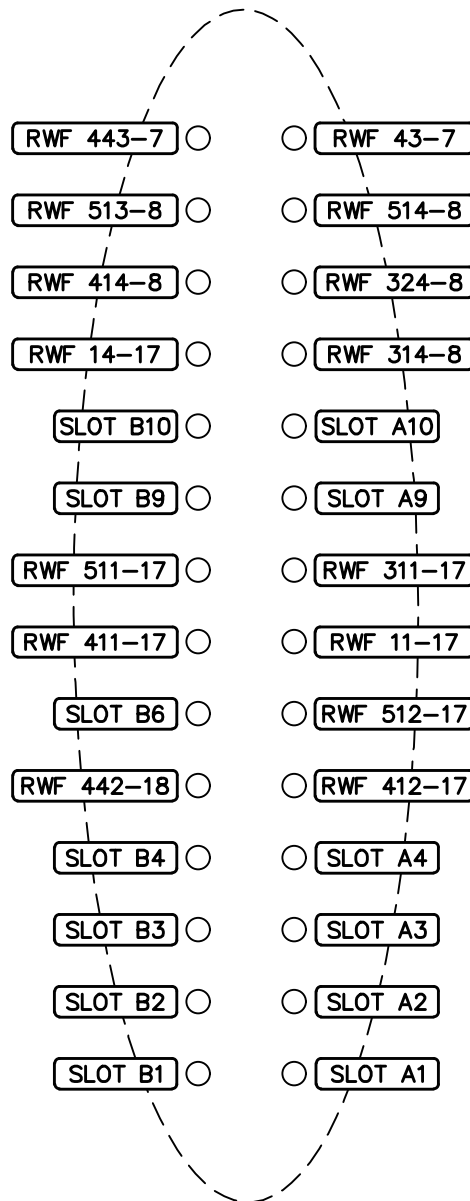
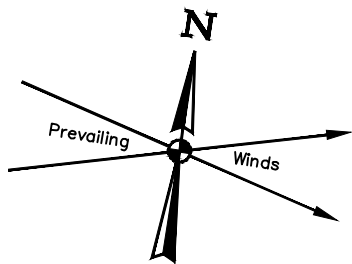
**NOTES:**

- Flare stack is to be located a min. of 100' from the wellhead.
- Round corners at 35' radius or as needed.
- Contours shown at 2' intervals.
- Fill slopes .50:1 (Typ. except where noted).
- Cut slopes .50:1 (Typ. except where noted).
- Underground utilities shown on this sheet are for visualization purposes only, actual locations to be determined prior to construction.
- Apply Surface Roughening to all Cut/Fill slopes and other areas as required.

**TEP Rocky Mountain LLC**

**DOE 1-M-18 PAD  
SECTIONS 17 & 18, T6S, R94W, 6th P.M.  
GARFIELD COUNTY, COLORADO**

SURVEYED BY	CODY RICH	01-18-18	SCALE
DRAWN BY	M.D.	01-23-18	1" = 80'
<b>CONSTRUCTION LAYOUT</b>		<b>PLAT #2</b>	



## TEP Rocky Mountain LLC

DOE 1-M-18 PAD  
SECTIONS 17 & 18, T6S, R94W, 6th P.M.  
GARFIELD COUNTY, COLORADO

SURVEYED BY	CODY RICH	01-18-18	SCALE
DRAWN BY	C.D.L.	05-24-18	1" = 20'
WELLHEAD DETAIL			PLAT #2A



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

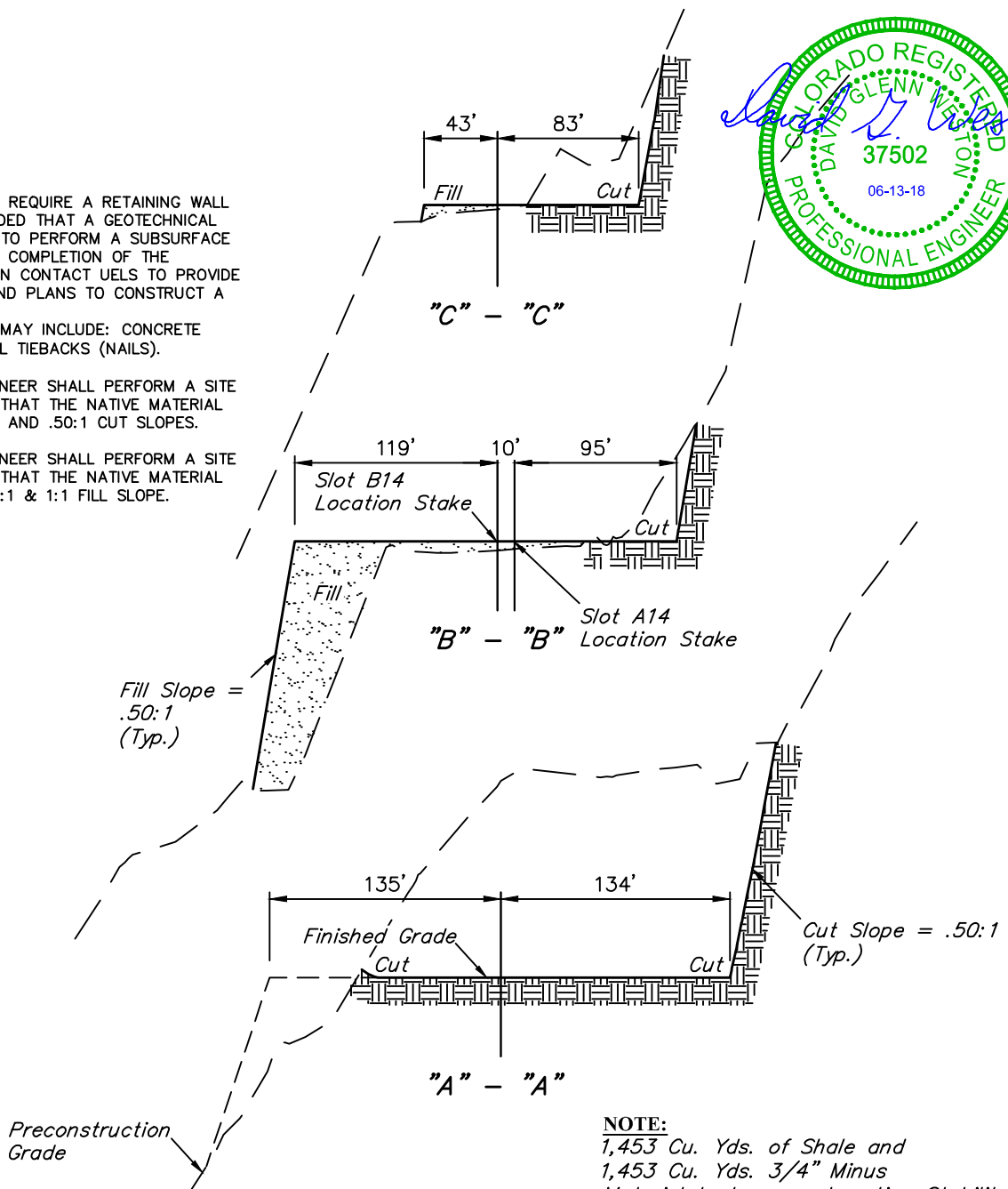
X-Section  
Scale  
1" = 100'

**NOTE:**

\*1. VERTICAL SLOPE WILL REQUIRE A RETAINING WALL DESIGN. IT IS RECOMMENDED THAT A GEOTECHNICAL ENGINEER BE CONTACTED TO PERFORM A SUBSURFACE SITE INVESTIGATION. UPON COMPLETION OF THE SUBSURFACE INVESTIGATION CONTACT UELS TO PROVIDE CONSTRUCTION DETAILS AND PLANS TO CONSTRUCT A RETAINING WALL.  
RETAINING WALL OPTIONS MAY INCLUDE: CONCRETE STEMWALL, USE WALL, SOIL TIEBACKS (NAILS).

\*2. A GEOTECHNICAL ENGINEER SHALL PERFORM A SITE INVESTIGATION TO VERIFY THAT THE NATIVE MATERIAL WILL BE STABLE AT A 1:1 AND .50:1 CUT SLOPES.

\*3. A GEOTECHNICAL ENGINEER SHALL PERFORM A SITE INVESTIGATION TO VERIFY THAT THE NATIVE MATERIAL WILL BE STABLE AT A .50:1 & 1:1 FILL SLOPE.



**NOTE:**

1,453 Cu. Yds. of Shale and 1,453 Cu. Yds. 3/4" Minus Material to Increase Location Stability. Approximately 2,906 Cu. Yds. (Compacted) Gravel is to be Applied to Entire Pad Footprint & Compacted to 10".

APPROXIMATE EARTHWORK QUANTITIES	
(6") TOPSOIL STRIPPING (NEW CONSTRUCTION ONLY)	2,350 Cu. Yds.
REMAINING LOCATION	29,240 Cu. Yds.
<b>TOTAL CUT</b>	<b>31,590 Cu. Yds.</b>
<b>FILL</b>	<b>29,240 Cu. Yds.</b>
EXCESS MATERIAL	2,350 Cu. Yds.
TOPSOIL	2,350 Cu. Yds.
<b>EXCESS UNBALANCE</b> (After Interim Rehabilitation)	<b>0 Cu. Yds.</b>

APPROXIMATE SURFACE DISTURBANCE AREAS		
	DISTANCE	ACRES
WELL SITE DISTURBANCE	NA	±4.020
<b>TOTAL SURFACE USE AREA</b>		<b>±4.020</b>

REV: 6 06-13-18 C.D.L. (ADD GRAVEL DATA)

**NOTES:**

- Fill quantity includes 5% for compaction.
- Calculations based on 6" of topsoil stripping.
- Fill slopes .50:1 (Typ. except where noted).
- Cut slopes .50:1 (Typ. except where noted).

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SECTIONS 17 & 18, T6S, R94W, 6th P.M.  
GARFIELD COUNTY, COLORADO**



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

SURVEYED BY	CODY RICH	01-18-18	SCALE
DRAWN BY	M.D.	01-23-18	AS SHOWN
CONSTRUCTION LAYOUT CROSS SECTIONS			<b>PLAT #3</b>