

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

NOTES:

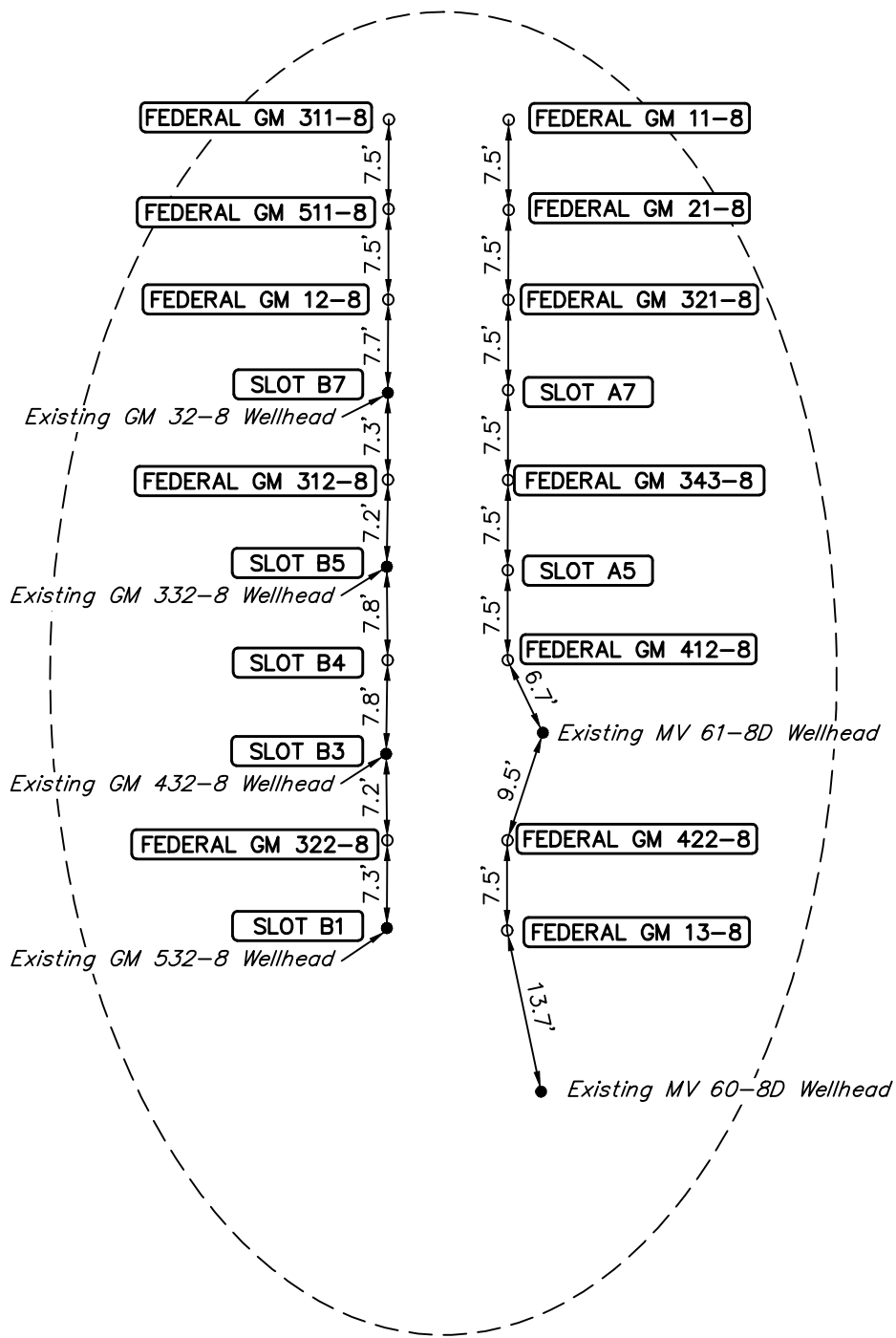
- Flare unit is to be located a min. of 100' from the wellhead.
- Round corners at 35' radius or as needed.
- Construct diversion ditches as needed.
- Contours shown at 2' intervals.
- Cut/Fill slopes 1:1 (Typ.).

MV 60-8D PAD
SW 1/4 NE 1/4, SECTION 8, T7S, R96W, 6th P.M.
GARFIELD COUNTY, COLORADO



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

SURVEYED BY	JOEL LEFEVRE	06-05-18	SCALE
DRAWN BY	T.L.L.	03-06-18	1" = 80'
CONSTRUCTION LAYOUT			PLAT #2



REV: 1 06-20-18 M.D. (ADD WELL)

MV 60-8D PAD
SW 1/4 NE 1/4, SECTION 8, T7S, R96W, 6th P.M.
GARFIELD COUNTY, COLORADO

SURVEYED BY	JOEL LEFEVRE	06-05-18	SCALE
DRAWN BY	T.L.L.	06-11-18	NONE
WELLHEAD DETAIL			PLAT #2A



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X-Section
Scale
1" = 100'



NOTE:

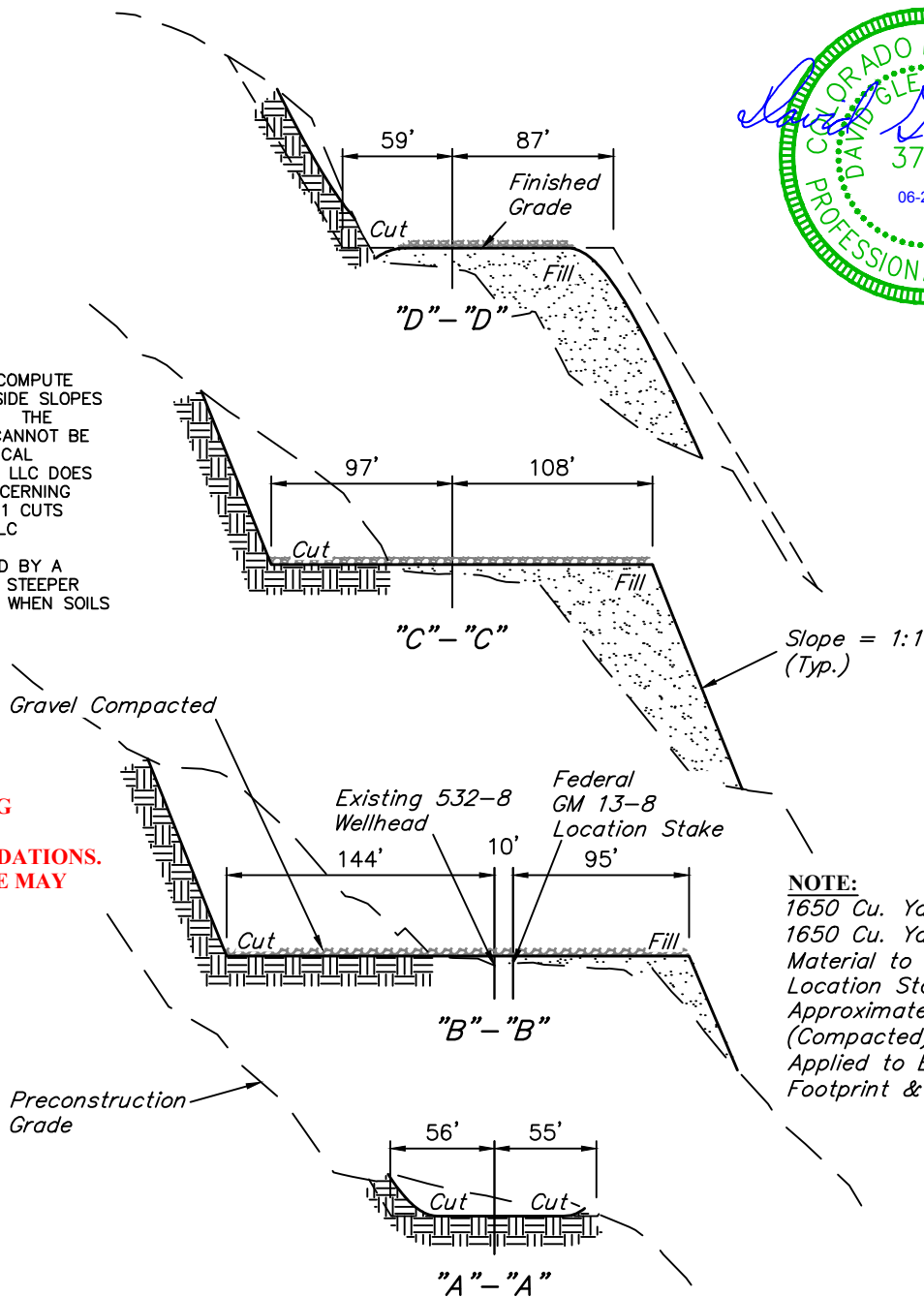
UELS, LLC WAS REQUESTED TO COMPUTE SIDE SLOPES AND ASSOCIATED SIDE SLOPES VOLUMES WITH 1:1 SIDE SLOPES. THE STABILITY OF 1:1 EARTH CUTS CANNOT BE DETERMINED WITHOUT GEOTECHNICAL INVESTIGATION THEREFORE UELS, LLC DOES NOT ASSUME ANY LIABILITY CONCERNING THE SAFETY OR STABILITY OF 1:1 CUTS SHOWN ON THIS 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.

NOTE:

1:1 SLOPES ARE SHOWN, BUT MUST BE ACCORDING TO THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS. A RETAINING STRUCTURE MAY BE REQUIRED.

NOTE:

EXCESS MATERIAL TO BE HAULED TO THE MV 15-8 PAD.



NOTE:

1650 Cu. Yds. of Shale and 1650 Cu. Yds. 3/4" Minus Material to Increase Location Stability. Approximately 3300 Cu. Yds. (Compacted) Gravel is to be Applied to Entire Pad Footprint & Compacted to 10".

APPROXIMATE EARTHWORK QUANTITIES	
(6") TOPSOIL STRIPPING	2,450 Cu. Yds.
REMAINING LOCATION	28,320 Cu. Yds.
TOTAL CUT	30,770 Cu. Yds.
FILL	22,660 Cu. Yds.
EXCESS MATERIAL	8,110 Cu. Yds.
TOPSOIL	2,450 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	5,660 Cu. Yds.

APPROXIMATE SURFACE DISTURBANCE AREAS		
	DISTANCE	ACRES
WELL SITE DISTURBANCE	NA	±3.647
30' WIDE ACCESS ROAD "A" R-O-W DISTURBANCE (NEW CONSTRUCTION ONLY)	±165'	±0.114
30' WIDE ACCESS ROAD "B" R-O-W DISTURBANCE (NEW CONSTRUCTION ONLY)	±132'	±0.091
TOTAL SURFACE USE AREA		±3.852

REV: 4 06-21-18 M.D. (PAD CHANGES)

NOTES:

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

MV 60-8D PAD
SW 1/4 NE 1/4, SECTION 8, T7S, R96W, 6th P.M.
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SURVEYED BY	JOEL LEFEVRE	06-05-18	SCALE
DRAWN BY	T.L.L.	03-06-18	AS SHOWN
CONSTRUCTION LAYOUT CROSS SECTIONS			PLAT #3