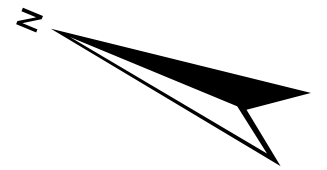
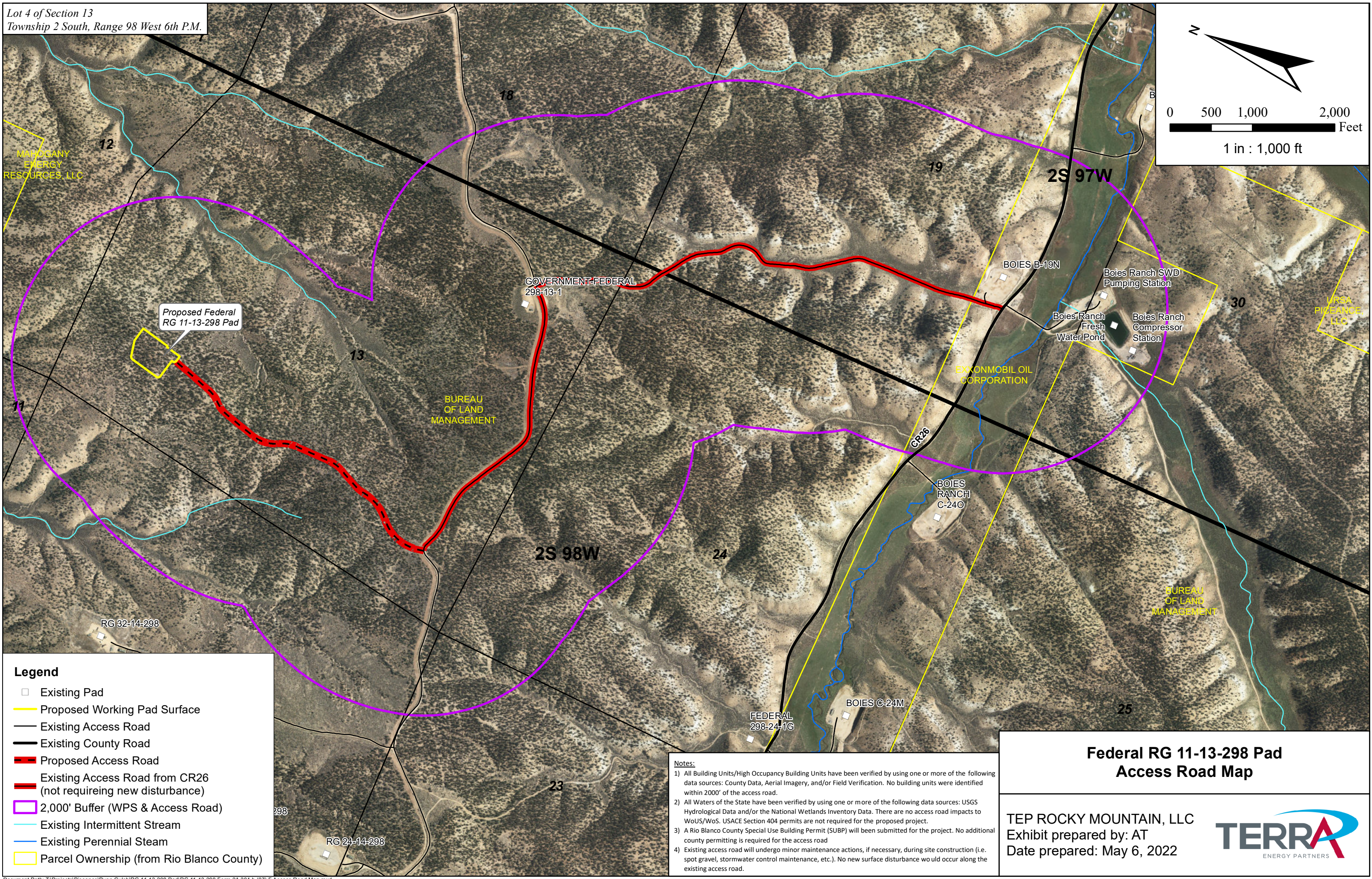


Lot 4 of Section 13
Township 2 South, Range 98 West 6th P.M.



0 500 1,000 2,000
Feet
1 in : 1,000 ft



Legend

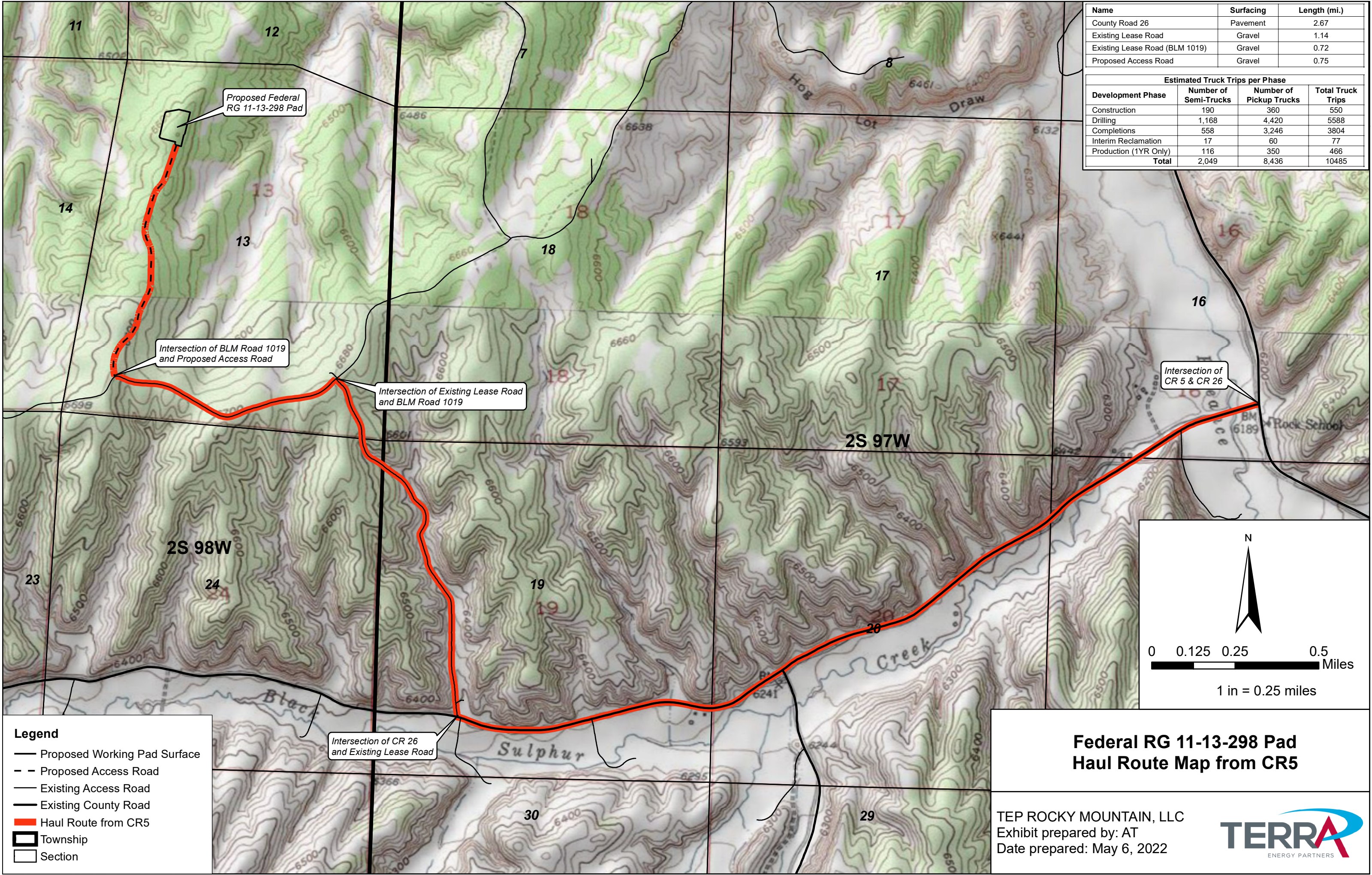
- Existing Pad
- Proposed Working Pad Surface
- Existing Access Road
- Existing County Road
- Proposed Access Road
- Existing Access Road from CR26 (not requiring new disturbance)
- 2,000' Buffer (WPS & Access Road)
- Existing Intermittent Stream
- Existing Perennial Steam
- Parcel Ownership (from Rio Blanco County)

- Notes:**
- 1) All Building Units/High Occupancy Building Units have been verified by using one or more of the following data sources: County Data, Aerial Imagery, and/or Field Verification. No building units were identified within 2000' of the access road.
 - 2) All Waters of the State have been verified by using one or more of the following data sources: USGS Hydrological Data and/or the National Wetlands Inventory Data. There are no access road impacts to WoUS/WoS. USACE Section 404 permits are not required for the proposed project.
 - 3) A Rio Blanco County Special Use Building Permit (SUBP) will be submitted for the project. No additional county permitting is required for the access road
 - 4) Existing access road will undergo minor maintenance actions, if necessary, during site construction (i.e. spot gravel, stormwater control maintenance, etc.). No new surface disturbance would occur along the existing access road.

**Federal RG 11-13-298 Pad
Access Road Map**

TEP ROCKY MOUNTAIN, LLC
Exhibit prepared by: AT
Date prepared: May 6, 2022

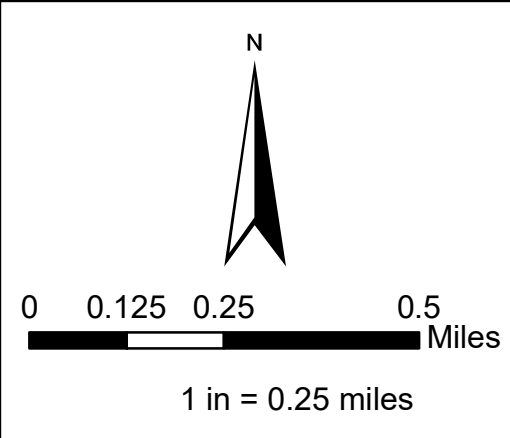
TERRA
ENERGY PARTNERS



Name	Surfacing	Length (mi.)
County Road 26	Pavement	2.67
Existing Lease Road	Gravel	1.14
Existing Lease Road (BLM 1019)	Gravel	0.72
Proposed Access Road	Gravel	0.75

Estimated Truck Trips per Phase			
Development Phase	Number of Semi-Trucks	Number of Pickup Trucks	Total Truck Trips
Construction	190	360	550
Drilling	1,168	4,420	5588
Completions	558	3,246	3804
Interim Reclamation	17	60	77
Production (1YR Only)	116	350	466
Total	2,049	8,436	10485

- Legend**
- Proposed Working Pad Surface
 - - Proposed Access Road
 - Existing Access Road
 - Existing County Road
 - Haul Route from CR5
 - ▭ Township
 - ▭ Section



**Federal RG 11-13-298 Pad
Haul Route Map from CR5**

TEP ROCKY MOUNTAIN, LLC
Exhibit prepared by: AT
Date prepared: May 6, 2022



TEP ROCKY MOUNTAIN LLC

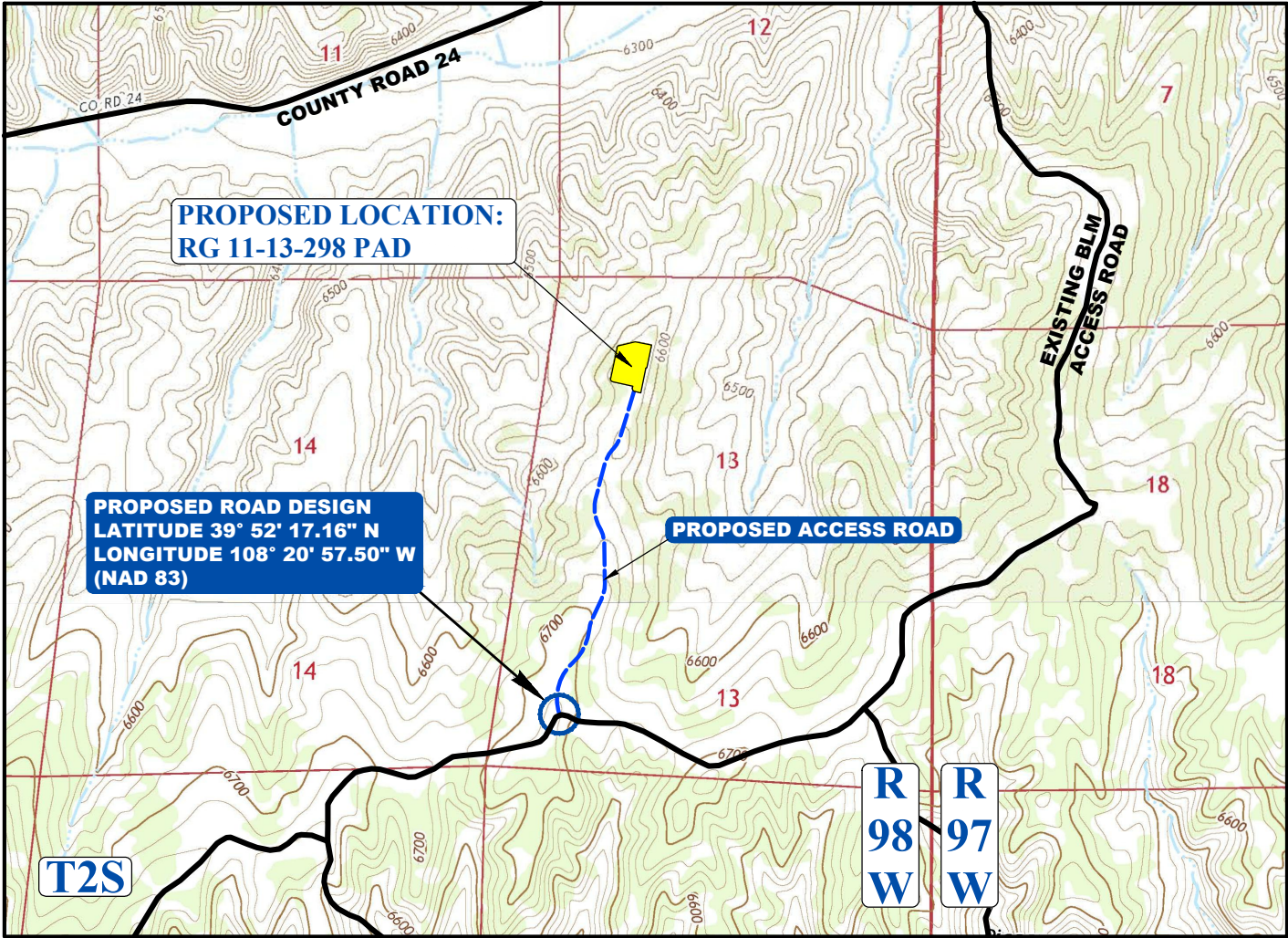
RG 11-13-298 PAD

PROPOSED ROAD DESIGN

LOCATED IN:

SEC. 13, T2S, R98W, 6TH P.M.
RIO BLANCO COUNTY, COLORADO

LOCATION MAP



SOURCE: 7.5 MIN TOPOGRAPHIC MAP, ROCK SCHOOL, CO (U.S.G.S., 2016) & SQUARES ROCK, CO (U.S.G.S., 2019)

SCALE: 1:24,000 (1"=2,000')

INDEX OF SHEETS

No.	SHEET DESCRIPTION
1	Title Sheet
2	General Notes & Geometric Standards Sheet
3	Culvert Installation Details Sheet
T1	Traffic Control Plans
P1-3	Plan & Profile Sheet

Uintah Engineering and Land Surveying assumes no liability written or implied as to the location of pipelines or cable lines in the vicinity of this pipeline bore road crossing. Utility Notification Center of Colorado, (Public lines) and the owner of any transmission lines (Private/Corporate lines) must be contacted for identification and location before construction begins. Transmission lines that may be identified on these plans may not be the only transmission lines in the vicinity of the pipeline bore road crossing. These plans are not intended to be used to identify the location of transmission lines. Extreme caution shall be used when constructing the pipeline bore road crossing near or over transmission lines.



BASIS OF BEARINGS

BASIS OF BEARINGS IS THE WEST LINE OF THE SW 1/4 OF SEC. 13, T2S, R98W, 6TH P.M. WHICH WAS ASSUMED TO BEAR S08°52'02"W FOR 2833.31'.



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

DATE	BY	REVISIONS
08-25-2021	SLW	CHANGED ROAD ENTRY LOCATION ONTO PAD, ADDED LIMITS OF DISTURBANCE
04-06-2022	SLW	ADJUSTED LIMITS OF DISTURBANCE

SCALE: As Shown
DRAWN BY: S.L.W.
E-FILE: \RG 11-13-298_RD_Rev 4-6-22.dwg
PROJECT NO: TER02-21-0009
DRAWING DATE: 08-09-2021

TEP ROCKY MOUNTAIN LLC

RG 11-13-298 PAD
PROPOSED ROAD DESIGN

ACCESS ROAD

1

All materials for construction of the complete project including but not limited to rip-rap, water for dust control and compaction, culverts, bedding materials for culverts, surface course gravel, signs, etc. are to be provided by the contractor at his bid price unless other arrangements are made.

Construction of the road must conform to current AASHTO and BLM standards. During construction, the contractor will follow all signing and flagging requirements as stated in the Manual of Uniform Traffic Control Devices latest edition. The road shall include a 50' minimum flare at the intersection.

Uintah Engineering and Land Surveying assumes no liability written or implied as to the location of pipelines or cable lines in the vicinity of this road design. Colorado 811 (public lines) and or the owner of the transportation line (Private/Corporate lines) must be contacted for identification and location before construction begins. Transportation lines that may be identified on these plans may not be the only transportation lines in the vicinity of the road. These plans are not intended to be used to identify the location of transportation lines. Extreme caution shall be used when constructing road near or over transportation lines.

EXPLANATIONS:
PLAN & PROFILE SHEETS

Plan & Profile sheets show the horizontal and vertical alignment of the road, sign placement if any, turnout placement if any, estimated culvert placements and sizes, estimated wing ditches, horizontal and vertical curve data, and the percent super for construction of horizontal curves.

SCOPE OF WORK:
SHAPING THE ROADWAY

The roadway is to be shaped to the dimensions shown on the typical cross section included in this document. Care shall be given to insure that the travel-way width is not less or significantly more than the dimensions given on the typical cross section. Where turnouts are indicated, the typical section widths shown on the typical cross section will need to be modified by the amounts shown on the typical turn-out. Where there are horizontal curves, super-elevations will be constructed to the percentages shown on the plan and profile sheets. One-third of the super transition occurs on the curve and two-thirds on the tangent.

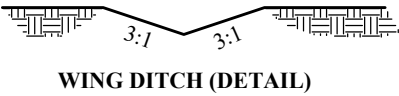
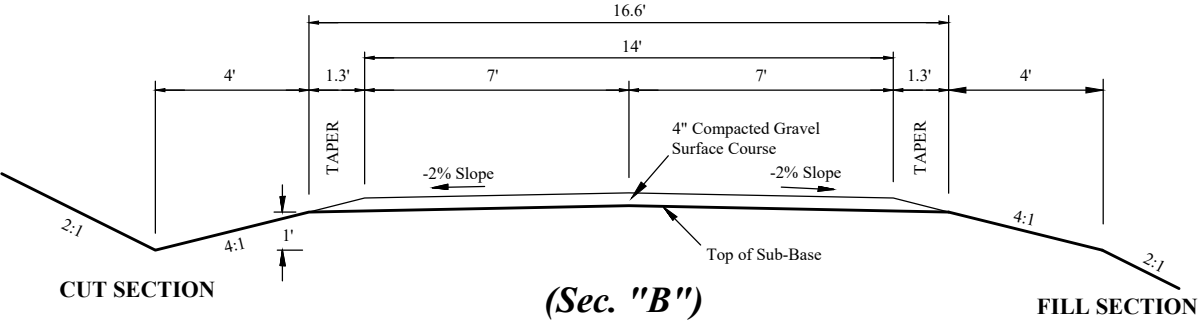
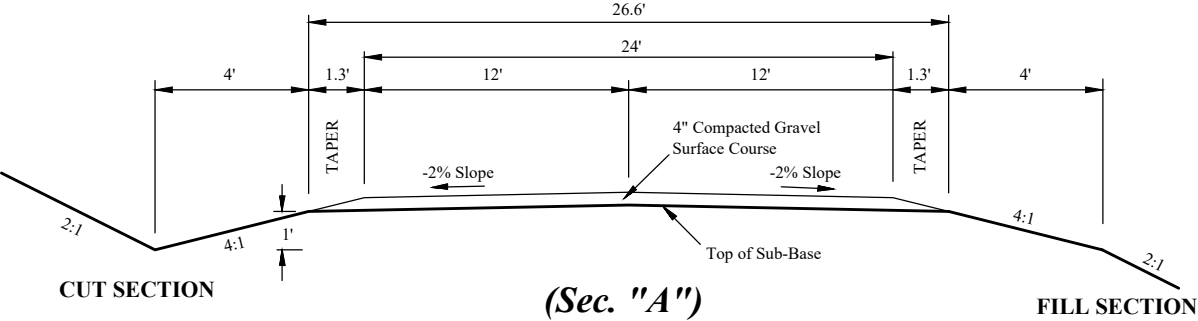
Top soil will be handled in the manner agreed upon and stated within the APD and the conditions of approval. If top soil is to be moved; Top soil will be peeled back during construction. Some over-excavation of cut slopes and bar ditches will provide needed material for road construction. Top soil will then be spread back over the cut and fill slopes and bar ditches.


The road shall have a crown as shown on the typical cross section to insure that water will drain off of the travel-way surface.

GEOMETRIC SPECIFICATIONS

GRAVEL SPECIFICATION:
3" minus pit run gravel (AASHTO M145-49 A-1-a Soil)
Do not place gravel on road until Inspector/Engineer has approved the sub-grade.
Place gravel to full widened width on turnouts, curve widening, and intersection flares.

TYPICAL CROSS SECTIONS
(for Proposed Access Road)



 <div>UELS, LLC Corporate Office * 85 South 200 East Vernal, UT 84078 * (435) 789-1017</div>	DATE	BY	REVISIONS	SCALE:	TEP ROCKY MOUNTAIN LLC RG 11-13-298 PAD PROPOSED ROAD DESIGN GENERAL NOTES & GEOMETRIC STANDARDS 2	
	08-25-2021	SLW	CHANGED ROAD ENTRY LOCATION ONTO PAD, ADDED LIMITS OF DISTURBANCE	DRAWN BY: S.L.W.		
	04-06-2022	SLW	ADJUSTED LIMITS OF DISTURBANCE	E-FILE: \RG 11-13-298_RD_Rev 4-6-22.dwg		
				PROJECT NO: TER02-21-0009		
				DRAWING DATE: 08-09-2021		

THE PLANS SHOW AN ESTIMATE OF THE NUMBER AND THE SIZE OF THE CULVERTS TO BE PLACED ON THE ROAD. THERE MAY NEED TO BE SOME FIELD ADJUSTMENTS MADE BY THE CONTRACTOR, AND/OR INSPECTOR/ENGINEER TO THE PLACEMENT AND LENGTH OF THE CULVERTS AND WING DITCHES.

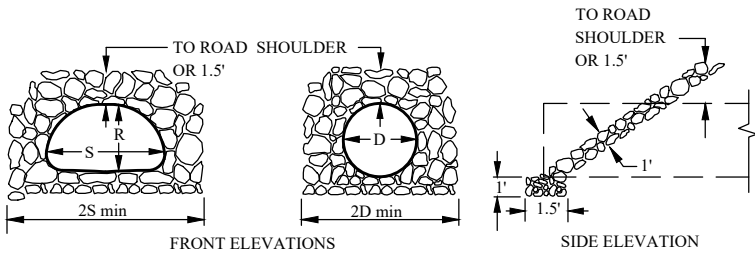
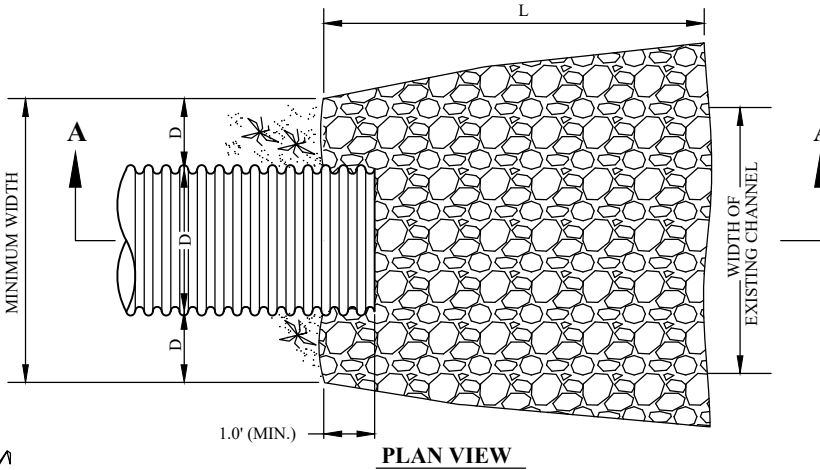
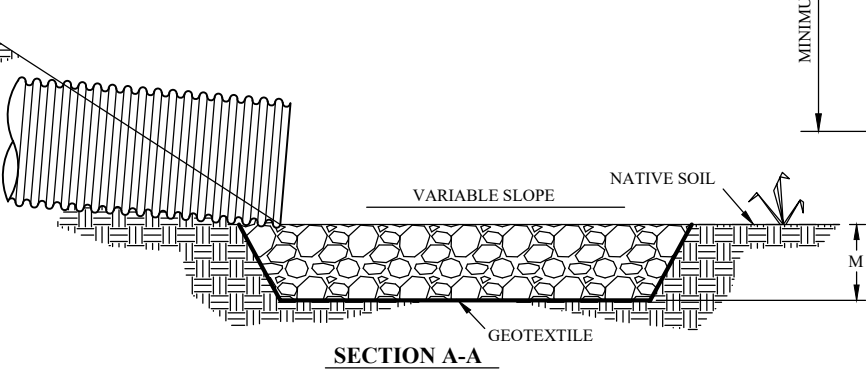
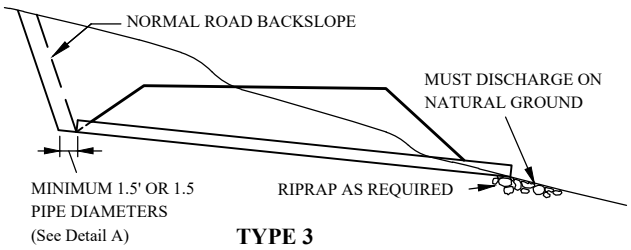
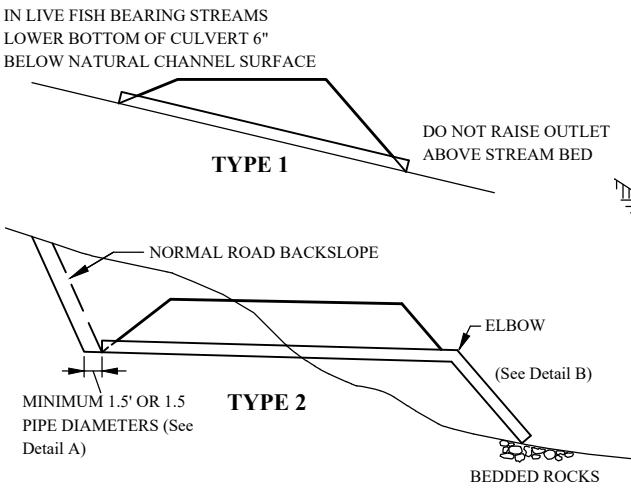
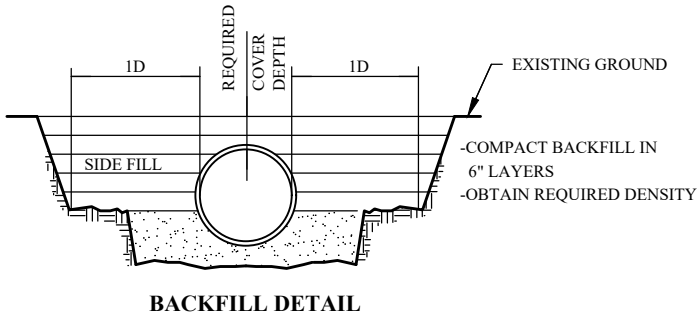
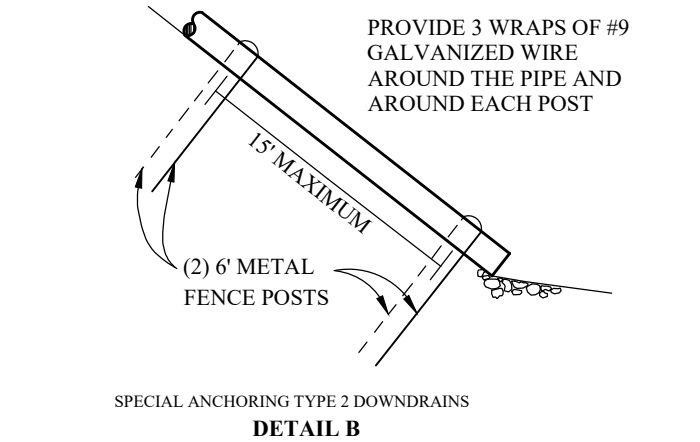
CULVERT INGRESS AND EGRESS DITCH LENGTHS ARE TO BE DETERMINED DURING CONSTRUCTION. ALL DITCHES ARE TO BE CONSTRUCTED WITH SUFFICIENT SLOPE SO THAT WATER WILL EXIT THE DOWNSTREAM SIDE AND NOT POND IN THE DITCH.

ALL CULVERTS SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT AN HS-20 LOADING OR HEAVIER. CHECK WITH MANUFACTURER FOR INFORMATION ABOUT MINIMUM COVER AND LOAD RATINGS. IN NO CASE SHALL COVER OVER CULVERTS BE LESS THAN 1'. CULVERT LENGTHS ARE ESTIMATED ON THE PLANS BUT THERE MAY NEED TO BE SOME ADJUSTMENTS MADE TO THE LENGTHS OF THE CULVERTS DURING CONSTRUCTION.

RIP-RAP WILL BE PLACED AT CULVERT INLETS AND OUTLETS WHERE SPECIFIED ON THE PLAN & PROFILE SHEETS. RIP-RAP WILL BE SIZED DEPENDENT UPON PIPE DIAMETER AS SHOWN. RIP RAP SHALL BE WELL GRADED WITH A SUFFICIENT AMOUNT OF SMALLER STONES UNIFORMLY DISTRIBUTED THOUGHOUT.

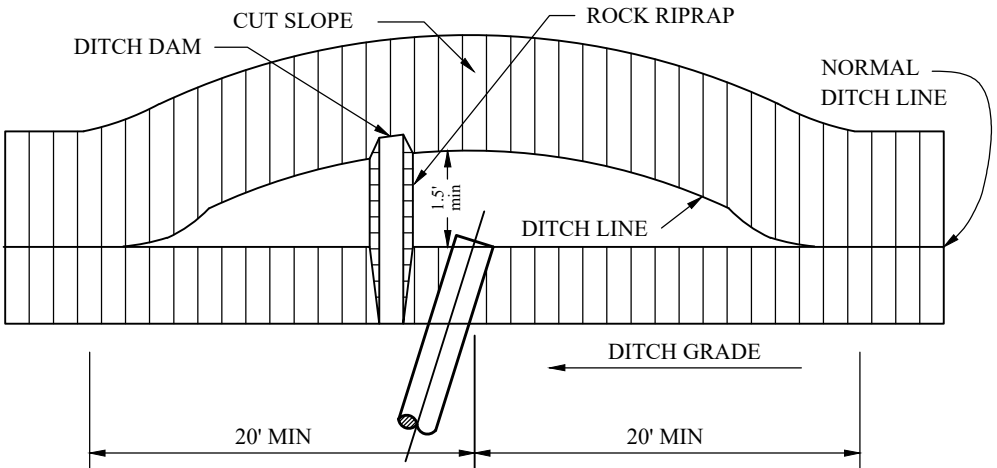
PIPE DIAM.-D	RIP-RAP SIZE	L	M	YARDAGE
0"-24"	60% shall be 8" in diameter or larger	5'	12"	±1 cyds
25"-48"	60% shall be 12" in diameter or larger	10'	18"	±6 cyds
49"-72"	60% shall be 18" in diameter or larger	15'	24"	±19 cyds

*Larger than 72", consult engineer.



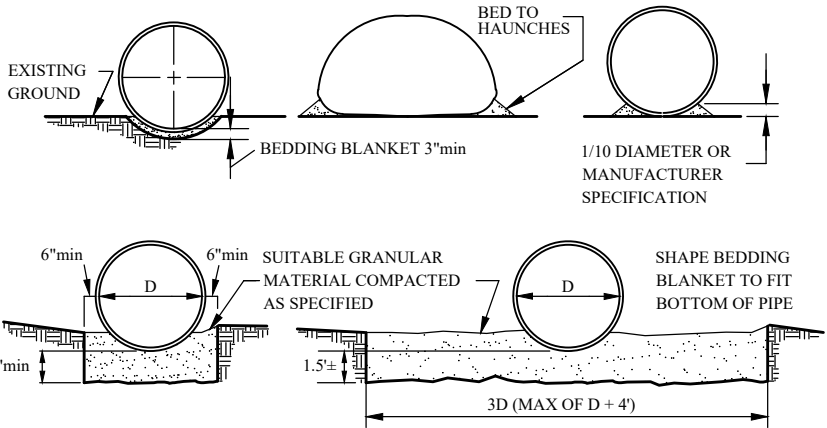
IN NARROW CHANNELS ADJUST RIPRAP TO FIT ORIGINAL STREAM BANKS.

RIP RAP DETAILS



CATCH BASIN PLAN VIEW (TYPES 2 AND 3)
(DITCH DAM ONLY TYPE 1)

DETAIL A



BEDDING DETAILS



UELS, LLC
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04-06-2022	SLW	ADJUSTED LIMITS OF DISTURBANCE

SCALE:
DRAWN BY: S.L.W.
E-FILE: \RG 11-13-298_RD_Rev 4-6-22.dwg
PROJECT NO: TER02-21-0009
DRAWING DATE: 08-09-2021

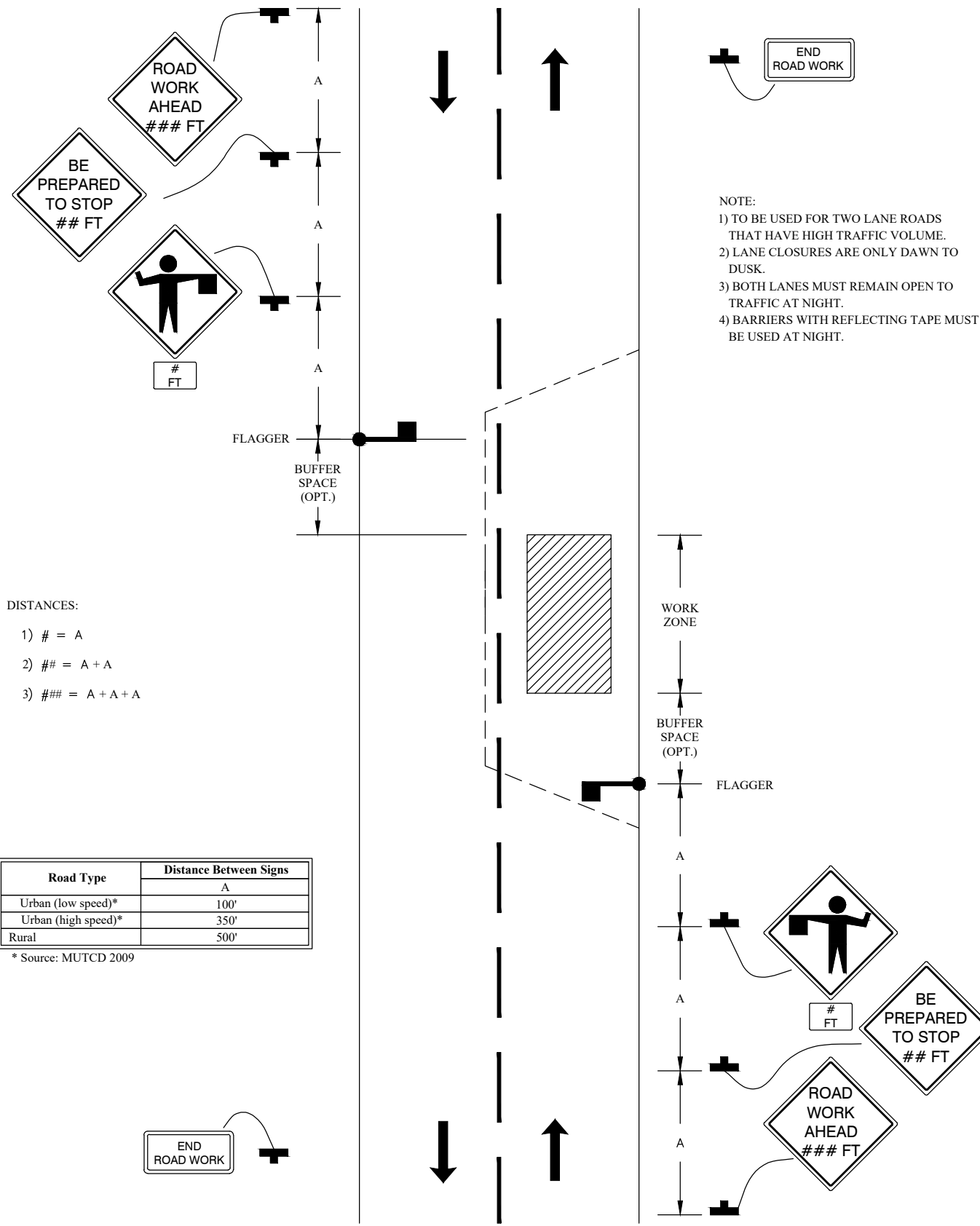
TEP ROCKY MOUNTAIN LLC

**RG 11-13-298 PAD
PROPOSED ROAD DESIGN**

CULVERT INSTALLATION DETAILS

3

WORK WITHIN TRAVELWAY - HIGH TRAFFIC VOLUME



WORK BEYOND THE SHOULDER - WITHIN RIGHT-OF-WAY

Road Type	Distance Between Signs
Urban (low speed)*	100'
Urban (high speed)*	350'
Rural	500'

* Source: MUTCD 2009

NOTE:

- 1) TO BE USED WHEN WORKING BEYOND THE SHOULDER.



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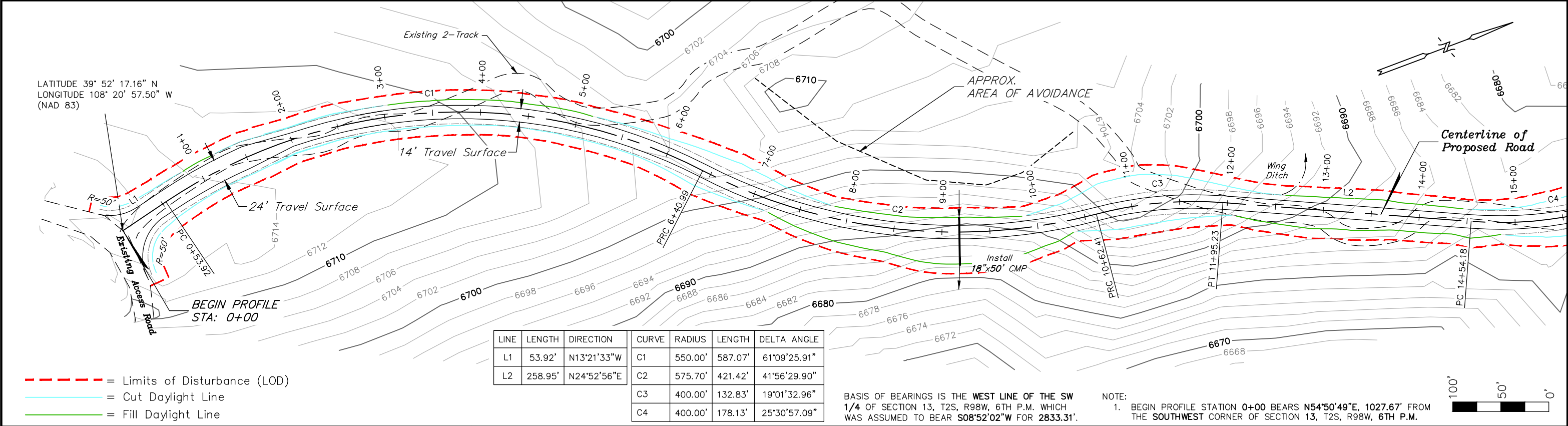
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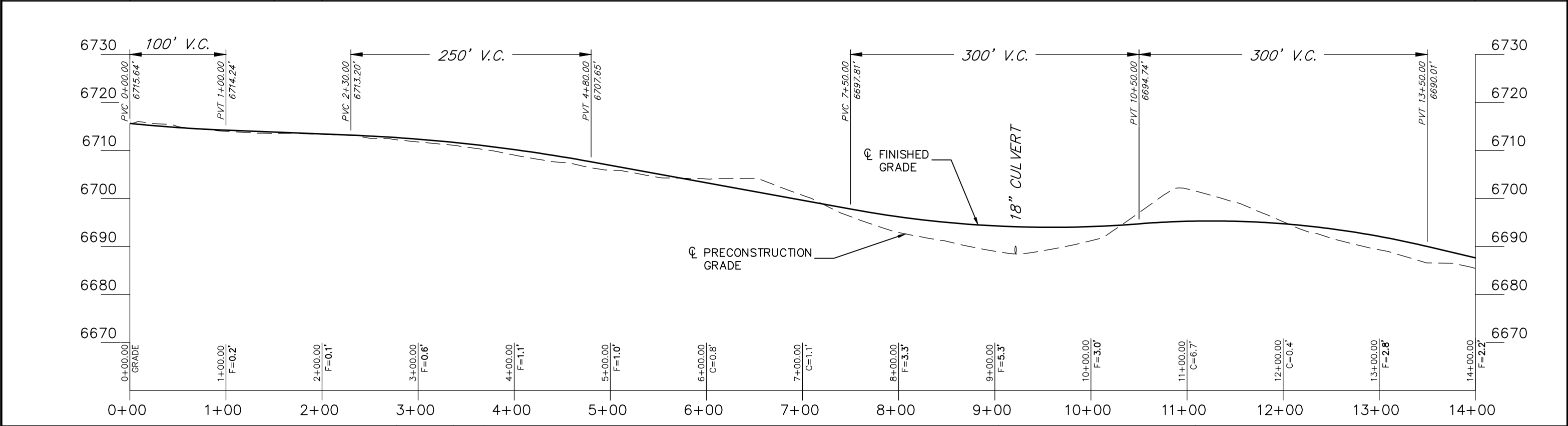
RG 11-13-298 PAD
PROPOSED ROAD DESIGN

TRAFFIC CONTROL PLAN

T1



GRADE %	-2.0	-0.8	-3.6	1.6	-4.7
TYP. SECTION	"A"	TRANS-ITION	"B"		



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SCALE: 1" = 100'

DRAWN BY: S.L.W.

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PROJECT NO: TER02-21-0009

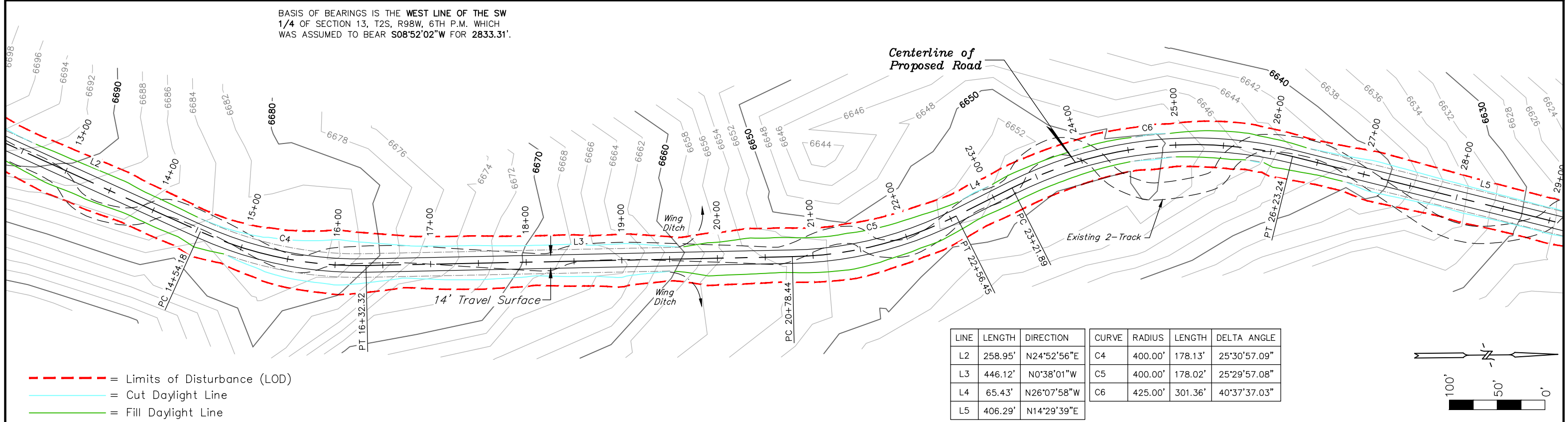
DRAWING DATE: 08-09-2021

TEP ROCKY MOUNTAIN LLC

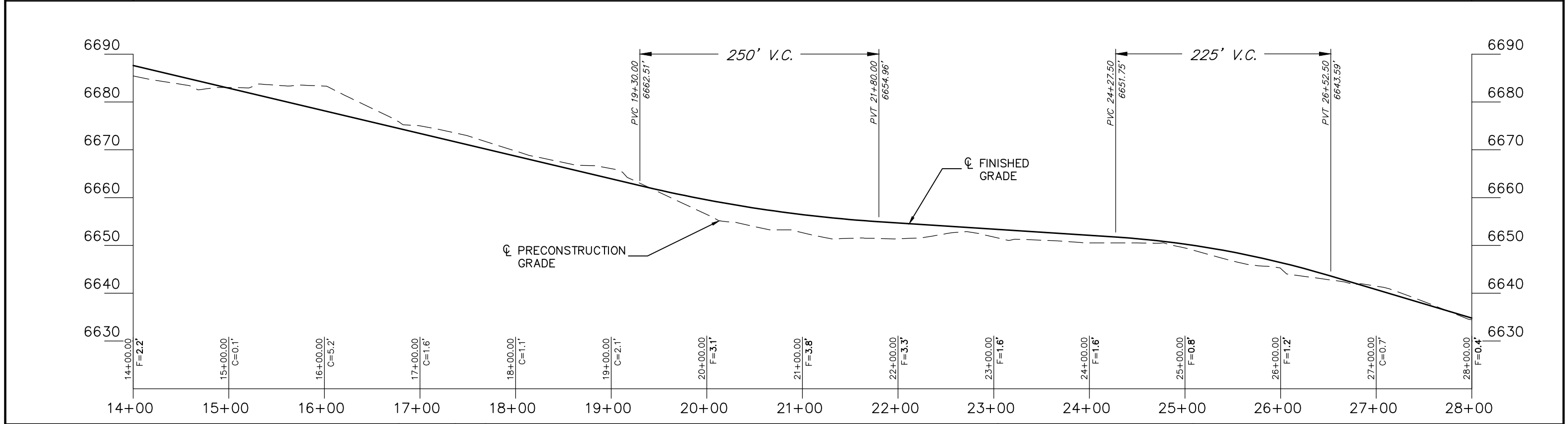
RG 11-13-298 PAD
PROPOSED ROAD DESIGN

PLAN & PROFILE

P1



GRADE %	-4.7	-1.3	-5.9
TYP. SECTION	"B"		



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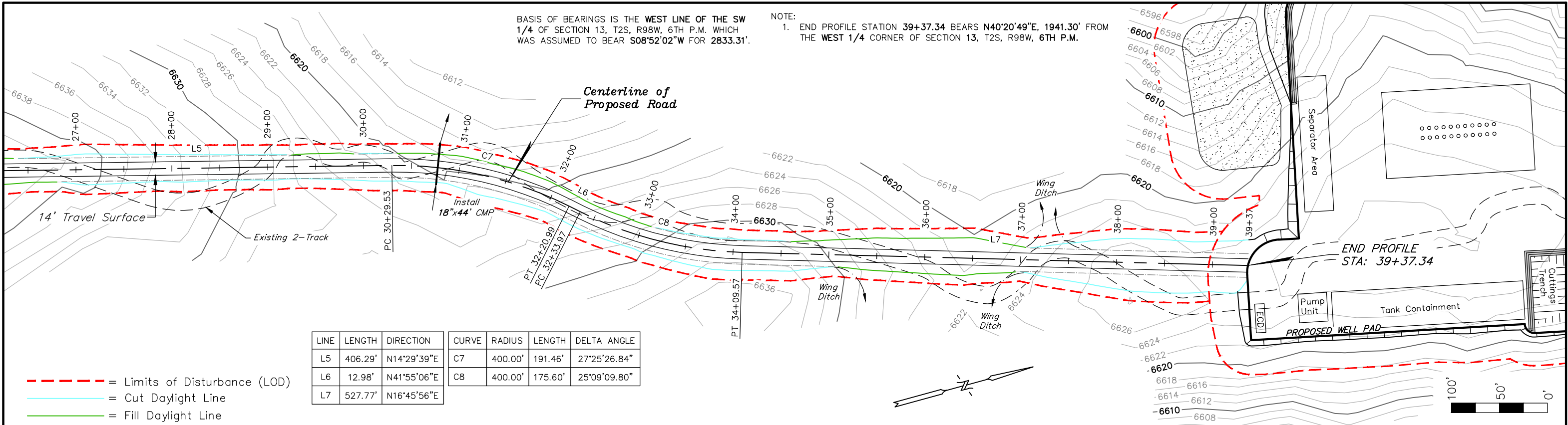
DRAWING DATE: 08-09-2021

TEP ROCKY MOUNTAIN LLC

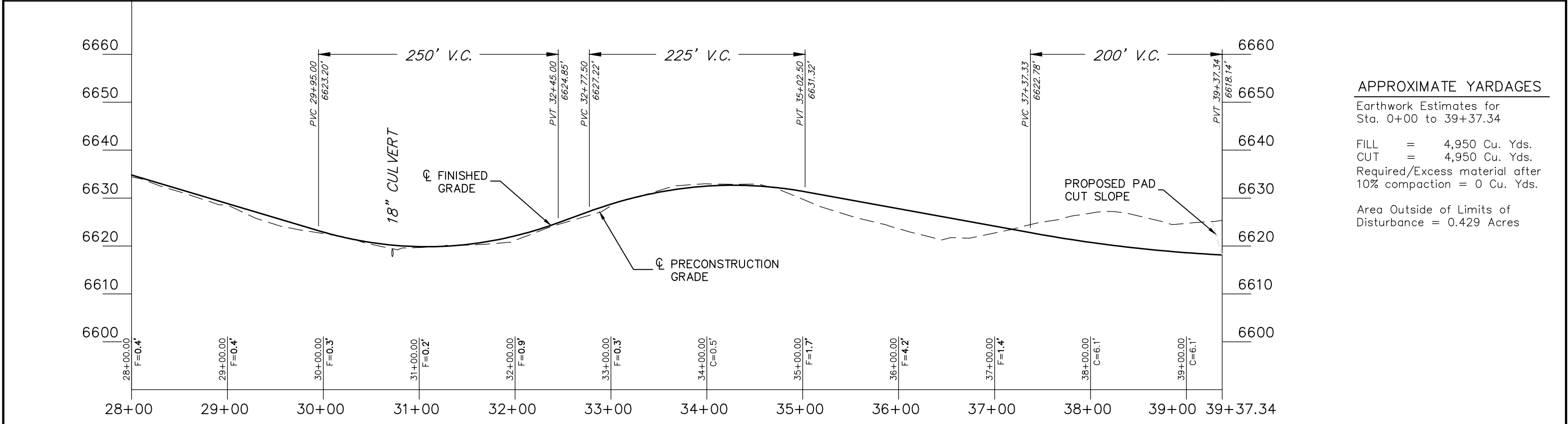
RG 11-13-298 PAD
PROPOSED ROAD DESIGN

PLAN & PROFILE

P2



GRADE %	-6.0	+7.3	-3.6	-1.0	PROPOSED WELL PAD
TYP. SECTION	"B"				



UINTEAH
ENGINEERING & LAND SURVEYING

UELS, LLC
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SCALE: 1" = 100'

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PROJECT NO: TER02-21-0009

DRAWING DATE: 08-09-2021

TEP ROCKY MOUNTAIN LLC

RG 11-13-298 PAD
PROPOSED ROAD DESIGN

PLAN & PROFILE

P3