

Caerus Piceance, LLC  
Wildlife Mitigation Plan  
PCU A27 197 CDP  
March 2023

Prepared by:

Caerus Piceance, LLC

In Cooperation with

Colorado Parks and Wildlife



Table of Contents

Introduction..... 3

Site Description ..... 3

Oil and Gas Location Information:..... 4

Evaluation of Impact to High Priority Habitat: ..... 5

CPW Consultation:..... 6

Operational Compliance with Rule 1202.a:..... 7

Operational Compliance with Rule 1202.b: ..... 9

Compensatory Mitigation – Compliance with Rule 1203:..... 9

Wildlife Best Management Practices: ..... 10

List of Figures

- Figure 1 - Wildlife Habitat Drawing
- Figure 2 - Surface Disturbance Summary
- Figure 3 - Construction Layout-Plan View & Construction Cross Sections
- Figure 4 - Interim Reclamation Plan

## Introduction

To meet the requirements of the new Colorado Oil and Gas Conservation Commission (COGCC) 1200 Series Rules (effective January 15, 2021), Caerus Piceance LLC (Caerus), has developed this Wildlife Mitigation Plan (WMP) that will cover the development of the Piceance Creek Unit (PCU) A27 197 CDP. This WMP will address each of the required elements listed within the COGCC 1200 Series Rules. This plan describes potential impacts to wildlife from the proposed activities, compliance with the applicable operating requirements under Rule 1202, and compensatory mitigation proposed to off-set impacts to wildlife resources as required by Rule 1203.

## Site Description

The A27 197 CDP Oil and Gas Development Plan (“OGDP”) is located within Lot 4, Section 27, Township 1 South, Range 97 West, 6th P.M., which includes the construction of the facility and the associated access roads and pipeline infrastructure. The A27 197 CDP is located on Federal surface overlying Federal minerals. Caerus is proposing to construct the A27 197 CDP to support drilling, completions, and production operations within Caerus’ PCU development area. The A27 197 CDP will be used as a centralized facility collecting 3-phase fluids from the PCU Fed B27-197 Well Pad (B27) and future contemplated locations. Separation of liquids and compression of natural gas will occur on this location. The A27-197 CDP will also be used as a temporary remote support location for well stimulation operations for the twenty-two (22) wells on the B27 Pad. An access road will be installed from the existing two track to the A27-197 CDP. The access route is proposed to be 4,361-feet long and 30-feet wide (3.003 acres). Liquid and gas gathering pipelines will be installed in the proposed 18.754-acre pipeline corridor.

After consultation with the surface owner, the Bureau of Land Management (BLM), Caerus will seek a COGCC Variance and BLM Exception Sundry for the timing of interim reclamation of the temporary frac pad portion of the A27 197 CDP. Both the A27 197 CDP and the B27 Well Pad will require two build seasons due to the length of the proposed roads and pipelines. Caerus typically constructs in the fall when federal and CPW wildlife stipulations allow and when the ground is the most stable for construction. Caerus will adhere to the White River Field Office (WRFO) BLM’s Big Game Timing Limitation (WR-TL-12) for no construction to occur between December 1st and April 30th. Therefore, Caerus will require two build seasons to comply with wildlife timing stipulations and to build the locations in suitable weather. Further, the A27 197 CDP will serve as the central delivery point for two additional well pads that will be permitted in the future. In addition, the A27 197 CDP will serve as a remote frac location for the B27 Well Pad and the yet to be permitted PCU H28 197 Well Pad. Lastly, the A27 197 CDP will be upgraded with additional facilities and equipment to accommodate the additional production coming to the CDP from the yet to be permitted PCU K27 197 Well Pad. Commencing interim reclamation in between these activities would be futile because the reclaimed area would again need to be utilized for the activities described above and detailed in the chart below.

Project Name	Operational Phase	Scheduled to Occur	Interim Reclamation Duration Requested
PCU B27-197 Well Pad	Construction	Q3-Q4 2023 and again Q3-Q4 2024	36-months from setting conductors
PCU A27-197 CDP	Construction	Q3-Q4 2023 and again Q3-Q4 2024	48-months from initial build

PCU B27-197 Well Pad	SimOps (D&C)	Q4 2024 – Q4 2025	See above
PCU A27-197 CDP	Remote Frac for B27-197	Q1 2025 – Q4 2025	See above
PCU H28-197 Well Pad*	Construction	Q3-Q4 2025	18-months from setting conductors
PCU H28-197 Well Pad*	SimOps (D&C)	Q1 2026 – Q4 2026	See above
PCU A27-197 CDP	Remote Frac for H28-197	Q2 2026 – Q4 2026	See above
PCU K27-197 Well Pad*	Construction	Q3-Q4 2026	18-months from setting conductors
PCU K27-197 Well Pad*	SimOps (D&C)	Q3 2027 – Q3 2028	See above
PCU A27-197 CDP	Install add'l facilities to accommodate K27-197 production	Q3 2027	See above

\*Indicates permits pending submittal to both BLM and COGCC

The WRFO BLM has expressed support for the delay in interim reclamation due to their concern for the preservation of topsoil, and they have asked Caerus not to move the topsoil back and forth between operational phases. However, there is not a regulatory mechanism for the BLM to approve this approach until they conduct NEPA analyses and issue APDs to which Exception Sundries can be applied. To keep consistent across regulatory agencies regarding the proposed delayed interim reclamation, Caerus is applying for COGCC variance, proposing the plan in the Surface Use Plan of Operations submitted with BLM APDs, and approaching CPW compensatory mitigation fees as if the entire A27 197 CDP Working Pad Surface (WPS) remains in-service for the life of the nearby well pads.

**Oil and Gas Location Information:**

- Surface Management Agency: Federal
- Minerals: Federal
- Number of Wells to be Drilled: 0
- Pad Status (New or Existing): New
- Site Elevation: 6,195 ft.
- Latitude: 39.941218
- Longitude: -108.274611
- Planned Construction Start Date: 9/2023
- Planned Completions Start Date: 3/2025
- Planned Interim Reclamation Start Date: TBD
- Total acres of disturbance oil and gas location (OGL): 27.50
- Total acres of disturbance working pad surface (WPS): 3.95
- Total acres of interim reclamation: 3.46
- Total acres of disturbance access roads (AR): 3.00
- Total acres of disturbance pipeline corridors (PC): 18.75

**Evaluation of Impact to High Priority Habitat:**

During initial site planning, Caerus reviewed the High Priority Habitat (“HPH”) layers listed under Rule 1202.c and 1202.d to determine if there are any wildlife related impacts associated with construction and operation of the proposed facility.

The A27 197 CDP planned location intercepts the mapped Sportfish Management Waters layer. This feature is intermittent in nature and does not contain any population of sportfish or other aquatic life. Caerus will request CPW waive the application of Rule 1202.c.(1).S as allowed by Rule 309.d.(5).D.ii.bb in a separate letter.

A portion of the pipeline falls with Native Aquatic Species Conservation Waters and Sportfish Management Waters layers. Caerus has consulted with CPW and will employ best management practices as required under Rule 1202.c.(2).C. Specifically, Caerus will ensure that the pipeline is built to the Permitting and Pipeline Construction specifications listed in the BLM Gold Book standards and will employ several layers of stormwater controls including boring County Road 5 (CR5). Cuttings from the bore hole will be stored on the North-East side of CR5 away from Piceance Creek. Wattles, landforming, soil berming, mulching and seeding will be used as additional sediment and erosion control measures along the pipeline corridor. The A27 197 CDP does not fall within any other HPH boundaries listed under Rule 1202.c.(1).

This facility would be located within three HPH boundaries listed under Rule 1202.d, which include Elk Winter Concentration, Mule Deer Severe Winter Range and Mule Deer Winter Concentration Area.

<b>High Priority Habitat (HPH) Name</b>	<b>Estimated Acreage Disturbed</b>
Elk Winter Concentration	18.51
Mule Deer Severe Winter Range	27.45
Mule Deer Winter Concentration Area	27.45

Caerus has scheduled construction of the proposed facility for September of 2023, which is outside the winter timing limitation for elk and mule deer. The winter timing limitation runs from December 1 to April 30 annually. By scheduling construction operations outside the winter timing limitation, stress on big game during winter months will be avoided. If a timing limitation exception is needed for drilling and or completion activity, Caerus will work with CPW, and BLM as required by the 2015 BLM WRFO Resource Management Plan Amendment (RMPA).

Both the proposed A27 197 CDP and portions of the access road fall within the 0.5-mile Golden Eagle nest buffer where WR-NSO-19 and WR-TL-17 stipulations could apply per the WRFO Oil and Gas RMPA. The nearest nest is approximately 0.4 miles from the A27 pad and located along a cliff face on the other side of a ridgeline from the pad. Due to the terrain, disturbance from noise and construction activities would be dampened and there would be no line-of-sight from the nest to these activities.

Two additional nest sites are located 0.28 and 0.3 miles from the proposed access road entrance off Rio Blanco County Road 5. These nests are across the Piceance Creek valley bottom that also holds RCR 5, which sees daily industry and local traffic for access to the Piceance Basin. Additionally, there are existing

nearby industrial and agricultural operations that have not deterred the use of these nest sites historically. Access to the project area is limited by terrain, as well as other sensitive resources, making alternative access routes to the project area more extensive, through less fragmented habitat, and with similar impacts. The BLM would apply a timing limitation that would require additional surveys of the nest sites and would restrict construction activities from Feb 1-Aug 31 or until birds have fledged if the nests are occupied.

Caerus will comply with the BLM WRFO RMPA and US Fish and Wildlife Service (USFWS) survey requirements prior to any construction activity. Caerus will consult with BLM, CPW, and USFWS as required by the RMPA, should one of the nests become occupied within a restricted buffer.

Caerus is also proposing compensatory mitigation to off-set any residual direct and indirect impacts to elk and mule deer as described in the Compensatory Mitigation section below.

**CPW Consultation:**

Caerus conducted pre-application consultation meetings with Colorado Parks and Wildlife (“CPW”) to discuss the proposed development plan for the A27 197 CDP and the potential impacts to wildlife as a result of construction and operation of the proposed facility. Since the proposed facility would be located within Elk Winter Concentration, Mule Deer Severe Winter Range and Mule Deer Winter Concentration Area, the pre-application consultation meeting with CPW was necessary to ensure Caerus’ planned operation would be protective of the species and to discuss options for compensatory mitigation to off-set impacts to the species.

- Caerus conducted an initial field assessment on September 16, 2021, with BLM and COGCC. BLM Wildlife Biologist Shawn Wisler, BLM Natural Resource Specialist Tim Barrett and COGCC Dave Kubeczko were in attendance.
- On May 18, 2022, Caerus provided BLM, CPW and COGCC an 18-month outlook that included the PCU development plans including the A27 197 CDP.
- On July 5, 2022, Caerus staff and CPW representatives, Taylor Elm, Danielle Newman, and Molly West, discussed 1202.c and 1202.d HPH mapping.
- On August 23, 2022, Caerus and CPW met to discuss compensatory mitigation fees associated with the A27 197 CDP.
- The official In-field Onsites with BLM and Caerus took place on September 15, 2022. COGCC and CPW were invited but were unable to attend.
- Caerus and CPW continued to discuss HPH layers in email correspondence on October 13, 2022, and November 29, 2022.
- Caerus and CPW met to discuss the ALA, the wildlife mitigation plan and compensatory mitigation fees on December 21, 2022.
- On February 2, 2023, Caerus consulted with CPW on the Golden Eagle nest complex.
- On February 14, 2023, Caerus consulted with BLM on the Golden Eagle nest complex.
- Caerus and CPW met to discuss updates the BMP and Mitigation sections of the WMP on March 21, 2023, and on March 24, 2023.

The Alternative Location Analysis (ALA) Narrative Summary and the ALA Data Sheet are provided as attachments to the 2A OGD.

**Operational Compliance with Rule 1202.a:**

The following outlines the operating requirements pursuant to Rule 1202.a and a description of how Caerus plans to implement measures to ensure compliance with the rule when applicable:

- 1) In black bear habitat, Caerus will install and use bear-proof dumpsters and trash receptacles for food-related trash at all facilities that generate trash.
- 2) Caerus will disinfect water suction hoses and water transportation Tanks withdrawing from or discharging into surface waters (other than contained Pits) used previously in another river, intermittent or perennial stream, lake, pond, or wetland and discard rinse water in an approved disposal facility. Disinfection practices will be repeated prior to completing work and before moving to the next water body. Disinfection will be performed by scrubbing and pre-rinsing equipment away from water bodies to remove all mud, plants, and organic materials and then by implementing one of the following practices:
  - a. Spray/soak equipment with a CPW-approved disinfectant solution capable of killing whirling disease spores and other aquatic nuisance species defined by CPW; or
  - b. Spray/soak equipment with water greater than 140° Fahrenheit for at least 10 minutes. All equipment and any compartments they contain will be completely drained and dried between each use.
- 3) At new and existing Oil and Gas Locations, Caerus will not situate new staging, refueling, or Chemical storage areas within 500 feet of the Ordinary High-Water Mark (“OHWM”) of any river, perennial or intermittent stream, lake, pond, or wetland.\*

\*Caerus requested and CPW granted a waiver of application of Rule 1202.a.(3). for the A27 197 CDP by separate correspondence.
- 4) To prevent access by wildlife, including birds and bats, Caerus will fence and net or install other CPW-approved exclusion devices on new Drilling Pits, Production Pits, and other Pits associated with Oil and Gas Operations that are intended to contain Fluids.
  - a. Such fencing and netting or other CPW-approved exclusion device will be installed within 5 days after the cessation of active drilling and completion activities and maintained until the Pit is removed from service and dried or closed pursuant to the Commission’s 900 Series Rules.
  - b. The Director may require Caerus to fence and net or install other CPW-approved exclusion devices on an existing Pit if the Director determines that the installation is necessary and reasonable to protect Wildlife Resources based on the analysis required by Rule 909.j, or other information that demonstrates additional protections for Wildlife Resources are appropriate.
  - c. Caerus will properly maintain and repair all fences, nets, and CPW-approved exclusion devices required by this Rule 1202.a.(4).

- 5) For trenches that are left open for more than 5 consecutive days during construction of Pipelines regulated pursuant to the Commission's 1100 Series Rules, Operators will install wildlife escape ramps at a minimum of one ramp per 1/4 mile of trench.
- 6) When conducting interim and final Reclamation pursuant to Rules 1003 and 1004, Caerus will use CPW-recommended seed mixes for Reclamation when consistent with the Surface Owner's approval and any local soil conservation district requirements.
- 7) Caerus will use CPW-recommended fence designs when consistent with the Surface Owner's approval and any Relevant Local Government requirements.
- 8) Caerus will conduct all vegetation removal necessary for Oil and Gas Operations outside of the nesting season for migratory birds (April 1 to August 31). For any vegetation removal that must be scheduled between April 1 to August 31, Caerus may implement appropriate hazing or other exclusion measures prior to April 1 to avoid take of migratory birds. If hazing or other exclusion measures are not implemented, Caerus will conduct pre-construction nesting migratory bird surveys within the approved disturbance area prior to any vegetation removal during the nesting season. If active nests are located, Caerus will provide work zone buffers around active nests.
- 9) Caerus will treat Drilling Pits, Production Pits, and any other Pit associated with Oil and Gas Operations containing water that provides a medium for breeding mosquitoes with Bti (*Bacillus thuringiensis v. israelensis*) or take other effective action to control mosquito larvae that may spread West Nile virus to Wildlife Resources. Such treatment will be conducted in a manner which will not adversely affect aquatic Wildlife Resources.
- 10) Caerus will employ the following minimum Best Management Practices on new Oil and Gas Locations with a Working Pad Surface located between 500 feet and 1000 feet hydraulically upgradient from a High Priority Habitat identified in Rule 1202.c.(1). Q-S:
  - a. Contain Flowback and Stimulation Fluids in Tanks that are placed on a Working Pad Surface in an area with downgradient perimeter berming.
  - b. Construct lined berms or other lined containment devices pursuant to Rule 603.o around any new crude oil, condensate, and produced water storage Tanks that are installed after January 15, 2021.
  - c. Inspect the Oil and Location on a daily basis, unless the approved Form 2A provides for different inspection frequency or alternative method of compliance.\*\*

\*\* Caerus requested and CPW granted approval of less than daily site visits based on the following BMP: Critical production equipment will have SCADA instrumentation, set by engineered design, that will notify Caerus of any and all abnormal conditions. Personnel will respond and address the situation immediately. With this remote site monitoring, a physical site inspection frequency of less than once per day will avoid unnecessary disturbances to terrestrial wildlife species in the area.
  - d. Maintain adequate Spill response equipment at the Oil and Gas Location during drilling and completion operations; and

- e. Not construct or use any Pits, except that Caerus may continue to use existing Pits that were properly permitted, constructed, operated, and maintained in compliance prior to January 15, 2021.

**Operational Compliance with Rule 1202.b:**

Caerus agrees to bore, rather than trench, any flowline and utility crossings of perennial streams identified as aquatic High Priority Habitat unless the Operator obtains a signed waiver from CPW, and the Director or Commission approves a Form 4 or Form 2A documenting the relief. When installing culverts or bridges, such structures will not impact or prevent the passage of fish unless otherwise directed by CPW.

**Compensatory Mitigation – Compliance with Rule 1203:**

During the pre-application consultation meeting with CPW, Caerus agreed to pay \$211,676.30 for compensatory mitigation associated with direct and indirect impacts to elk and mule deer from the construction and long-term operation of the A27 197 CDP. The compensatory mitigation fees for direct and indirect impacts are broken out in Table 1, Compensatory Mitigation Fees. Payment of the mitigation fee will be to CPW no less than thirty days (30 days) prior to submittal of the Form 42, Field Operations Notice – Notice of Construction, as required by Rule 1203.c.

As an alternative to payment of the compensatory mitigation fees listed in Table 1, Caerus and CPW have agreed to further evaluate potential mitigation projects within the northwest region of Colorado that could be used to off-set direct and indirect impacts to elk and mule deer. If Caerus and CPW agree on a compensatory mitigation project(s), Caerus will submit a sundry to this Wildlife Mitigation Plan detailing the relevant plan components described under Rule 1203.b.(1). To ensure the Director has adequate time to review the revised mitigation plan, Caerus will submit the sundry a minimum of 30 days prior to the payment due date described in COGCC Rule 1203.c., or 60 days prior to submittal of the Form 42 – Notice of Construction.

**Table 1 – Compensatory Mitigation Fees**

Location Name	Working Pad Surface - Long Term Acres	Reclaimed Area - Short Term Acres	Access Road - Long Term Acres	Pipeline Short Term Acres	Total Disturbance for Pad + Access + Pipeline	Total Dist. Minus Reclamation (Long-Term)	Reclaimed Acres (Short-Term)
A27 197 CDP	3.945	1.747	3.003	18.754	27.449	<b>6.948</b>	<b>20.501</b>

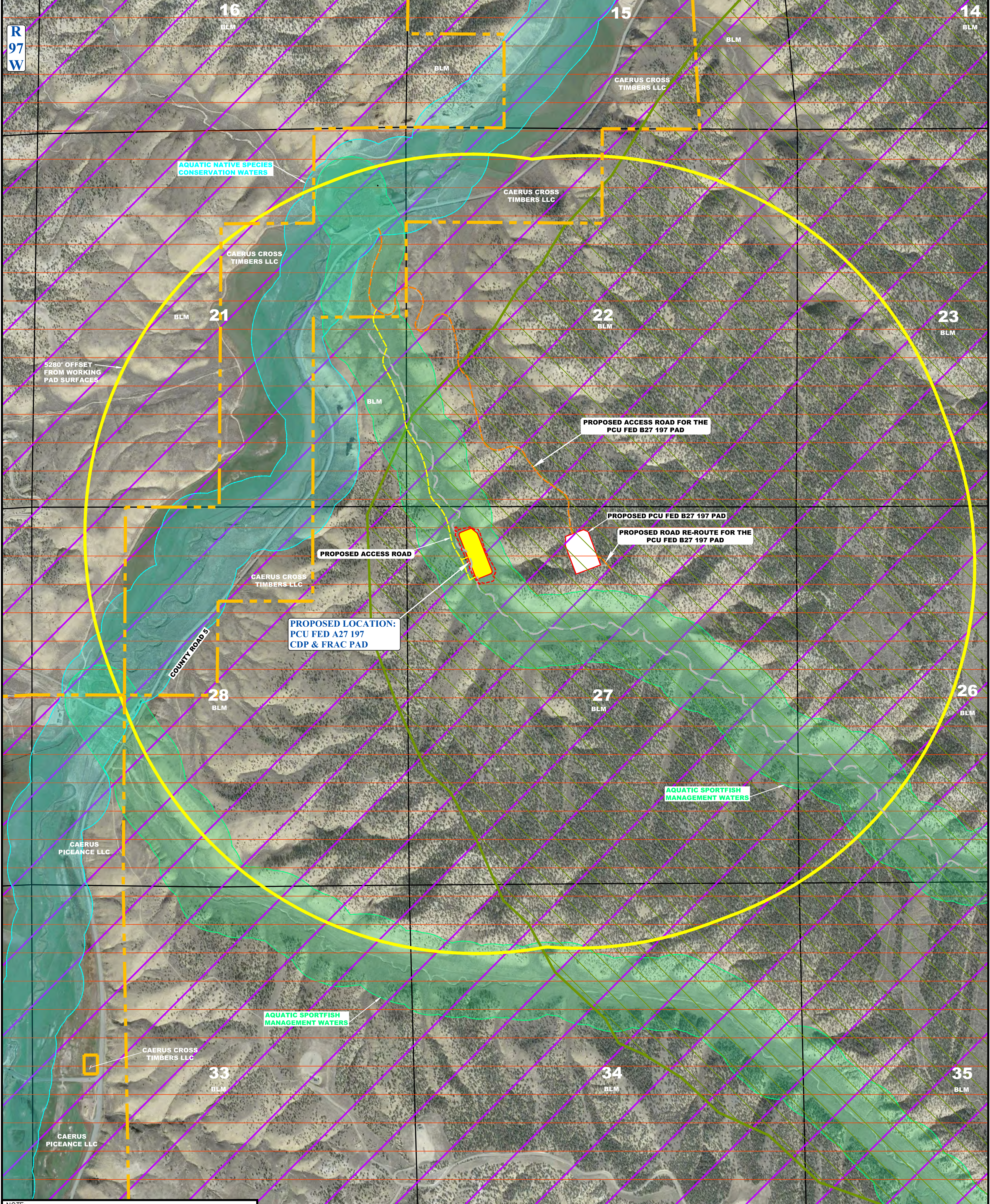
Location Name	Long Term Dist.	Short Term Dist.	Total Direct Impact	Indirect Impact Acres	Indirect Impacts \$735/Acre	Total Mitigation Requirements
	\$5,295/Acre	\$735/Acre				
A27 197 CDP	6.948	20.501	\$51,857.90	217.44	\$159,818.40	<b>\$211,676.30</b>

**Wildlife Best Management Practices:**

The following Best Management Practices will be employed at the A27 197 CDP. These BMPs are listed in the 2A under Operator Proposed Wildlife BMPs.

<b>Species</b>	<b>BMP Type</b>	<b>Description</b>
MULE DEER & ELK	Wildlife - Minimization	Civil construction will be completed outside of the BLM Big Game Winter Range Timing Limitation from December 1 to April 30 <sup>th</sup> .
MULE DEER & ELK	Wildlife - Minimization	Completions activities will take place remotely, on the A27 197 CDP, which is located in a valley bottom. The natural terrain features will create a buffer for associated sound.
MULE DEER & ELK	Wildlife - Minimization	Caerus will only operate during the daylight hours while completing stages 1 and 2, to minimize associated sound during the night.
MULE DEER & ELK	Wildlife - Minimization	Caerus has consulted with BLM (surface owner) on the appropriate seed mix for use during reclamation. CPW has concurred with the approved seed mix.
MULE DEER & ELK	Wildlife - Minimization	Caerus will implement three-phase gathering at the A27 197 CDP to reduce the need for onsite separation and fluid storage production facilities and reduce the need for increased acreage put into reclamation. Furthermore, centralized facilities significantly reduce the need for truck traffic that would have been necessary to transport produced water off-location for re-use or disposal.
MULE DEER & ELK	Wildlife - Minimization	Remote well control and monitoring (SCADA) to reduce traffic through work/project prioritization and increase emergency response efficiency.
MULE DEER & ELK	Wildlife - Minimization	Solar panels as an alternate energy source for on-location production equipment.
MULE DEER & ELK	Wildlife - Minimization	Caerus has volunteered to be a member of One Future and The Environmental Partnership. These voluntary programs require a commitment to reduce methane emissions. Caerus will report reduction targets and annual metrics through the Caerus ESG Report.
MULE DEER & ELK	Wildlife - Minimization	Green completions will be employed to reduce venting of natural gas to atmosphere during completions. Project Canary will be used for fence line air monitoring during pre-production operations on all new locations.
MULE DEER & ELK	Wildlife - Minimization	Only essential Caerus traffic will be permitted to access sites where active operations are occurring.
BLACK BEAR	Wildlife - Avoidance	The operator agrees to report bear conflicts immediately to CPW staff.
BLACK BEAR	Wildlife - Avoidance	The operator will store all garbage, trash, and debris in enclosed bear proof trash containers and transported to an approved disposal facility once per week during drilling and completions operations. No garbage, trash, and debris will be disposed of on location. The well site and access road will be kept free of trash and debris at all times.
BLACK BEAR	Wildlife - Avoidance	Caerus will conduct regular contractor and employee training with respect to black bear awareness, which will be reinforced during ongoing trainings at worksite tailgate meetings, monthly safety meetings, and EHS hazard identification programs.

## Figures



NOTE: PARCEL DATA SHOWN HAS BEEN OBTAINED FROM VARIOUS SOURCES AND SHOULD BE USED FOR MAPPING, GRAPHIC AND PLANNING PURPOSES ONLY. NO WARRANTY IS MADE BY UINTAH ENGINEERING AND LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

REV: 6 03-15-23 T.L.L. (UPDATE ACCESS ROADS)

**LEGEND**

- WORKING PAD SURFACE
- OIL & GAS LOCATION (LOD)
- 5280' OFFSET FROM WORKING PAD SURFACE
- PROPOSED ACCESS ROAD
- MULE DEER WINTER CONCENTRATION AREA
- MULE DEER SEVERE WINTER RANGE
- AQUATIC SPORTFISH MANAGEMENT WATERS
- AQUATIC NATIVE SPECIES CONSERVATION WATERS
- ELK WINTER CONCENTRATE
- PROPOSED ROAD (SERVICING OTHER WELLS)
- EXISTING 2-TRACK
- PROPERTY LINE



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

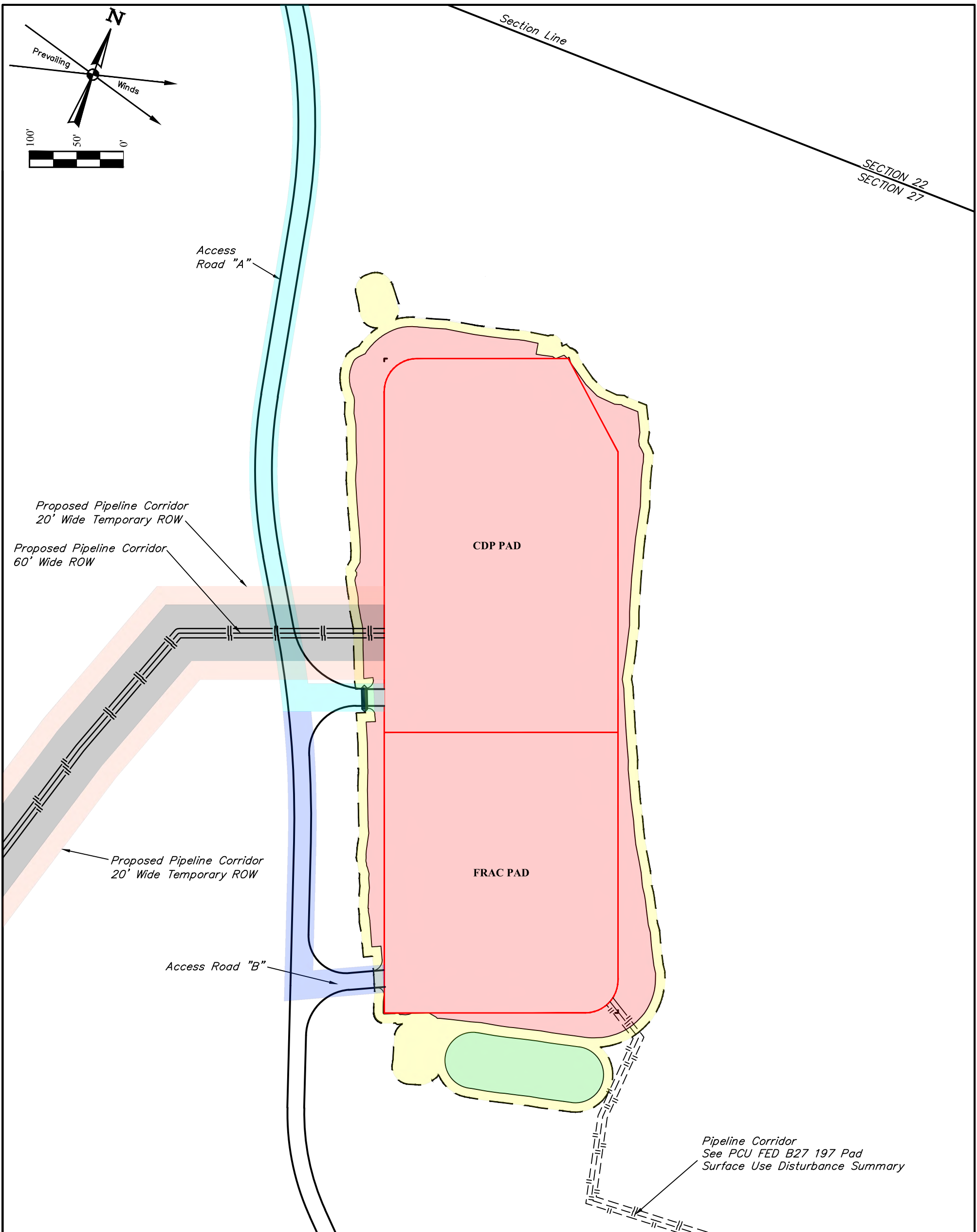


**Caerus Piceance LLC**

**PCU FED A27 197 CDP & FRAC PAD  
 LOT 4, SECTION 27, T1S, R97W, 6th P.M.  
 RIO BLANCO COUNTY, COLORADO**

SURVEYED BY	DAYTON SLAUGH	09-20-22	SCALE
DRAWN BY	T.L.L.	10-19-22	1" = 800'

**WILDLIFE HABITAT DRAWING**



**SURFACE USE DISTURBANCE SUMMARY (SUDS)**

	Length (ft)	Width (ft)	Approx. Acres of Disturbance
Well Site (including cuts/fills)	N/A	N/A	±4.807
Topsoil Stockpiles	N/A	N/A	±0.217
Remaining Area (In Surface Use Area)	N/A	N/A	±0.668
Proposed Access Road (New Construction/Upgrade - LOD)	±3,961'	30'	±2.728
Proposed Access Road "B"	±400'	30'	±0.275
Proposed Pipeline Corridor (60' Wide Permanent)	±7,885'	60'	±10.848
Proposed Pipeline Corridor (20' Wide Temporary - Each Side)	±7,885'	40'	±7.256
Proposed Pipeline Corridor (Bore)	±283'	100'	±0.650
<b>Total Acres of Disturbance</b>			<b>±27.449</b>

REV: 4 03-15-23 T.L.L. (UPDATE ACCESS ROAD)

**NOTES:**

- The side lines of the right-of-ways are shortened or elongated to meet the grantor's property lines.
- The Pipeline R-O-W acres are calculated areas using ownership parcels and section lines.

**Caerus Piceance LLC**

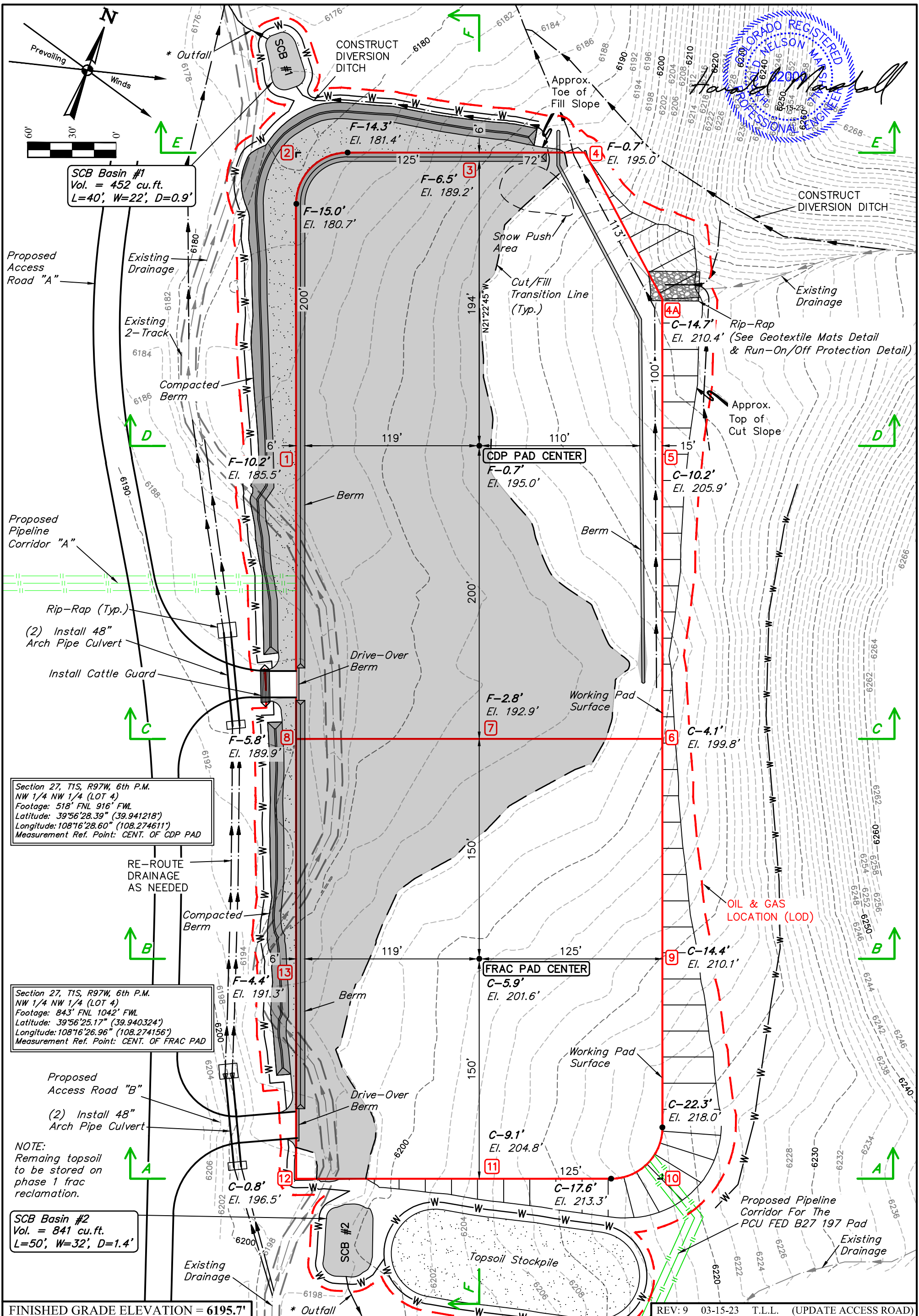
**PCU FED A27 197 CDP & FRAC PAD  
LOT 4, SECTION 27, T1S, R97W, 6th P.M.  
RIO BLANCO COUNTY, COLORADO**



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

<b>SURVEYED BY</b>	DAYTON SLAUGH	09-20-22	<b>SCALE</b>
<b>DRAWN BY</b>	T.L.L.	12-05-22	1" = 100'

**SURFACE USE DISTURBANCE SUMMARY**



SCB Basin #1  
Vol. = 452 cu.ft.  
L=40', W=22', D=0.9'

Section 27, T1S, R97W, 6th P.M.  
NW 1/4 NW 1/4 (LOT 4)  
Footage: 518' FNL 916' FWL  
Latitude: 39°56'28.39" (39.941218°)  
Longitude: 108°16'28.60" (108.274611°)  
Measurement Ref. Point: CENT. OF CDP PAD

Section 27, T1S, R97W, 6th P.M.  
NW 1/4 NW 1/4 (LOT 4)  
Footage: 843' FNL 1042' FWL  
Latitude: 39°56'25.17" (39.940324°)  
Longitude: 108°16'26.96" (108.274156°)  
Measurement Ref. Point: CENT. OF FRAC PAD

SCB Basin #2  
Vol. = 841 cu.ft.  
L=50', W=32', D=1.4'

FINISHED GRADE ELEVATION = 6195.7'

- NOTES:**
- Rounded corners shown at 35' radius.
  - Construct diversion ditches as needed.
  - Contours shown at 2' intervals.
  - Cut/Fill slopes 1 1/2:1 (Typ. except where noted).
  - Stormwater calculated for the 2 Yr. - 24 Hr. SCS TR-55 method.
  - \* See Figure ST-1 of Caerus Control Measure Manual.

- BMP LEGEND:**
- SCB = STORMWATER CONTROL BASIN
  - W = WATTLE
  - OIL & GAS LOCATION (LOD)
  - WORKING PAD SURFACE

**Caerus Piceance LLC**

**PCU FED A27 197 CDP & FRAC PAD  
LOT 4, SECTION 27, T1S, R97W, 6th P.M.  
RIO BLANCO COUNTY, COLORADO**

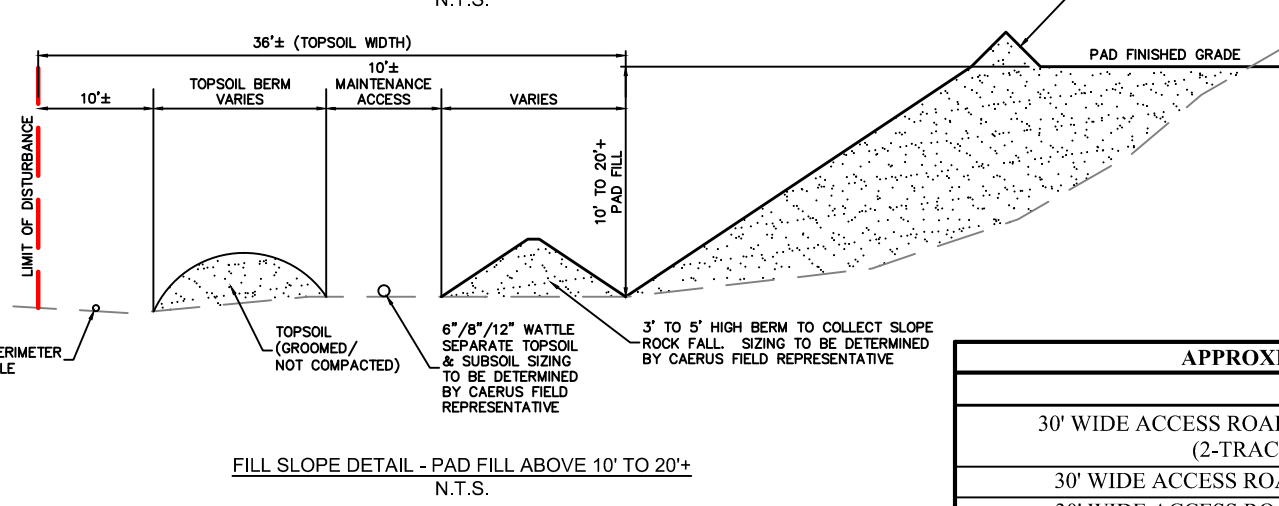
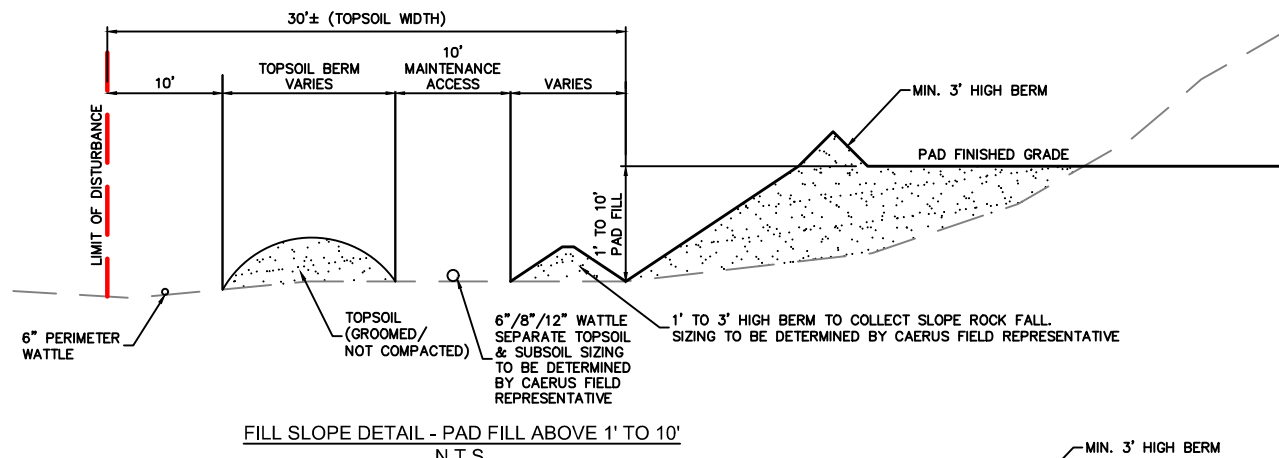
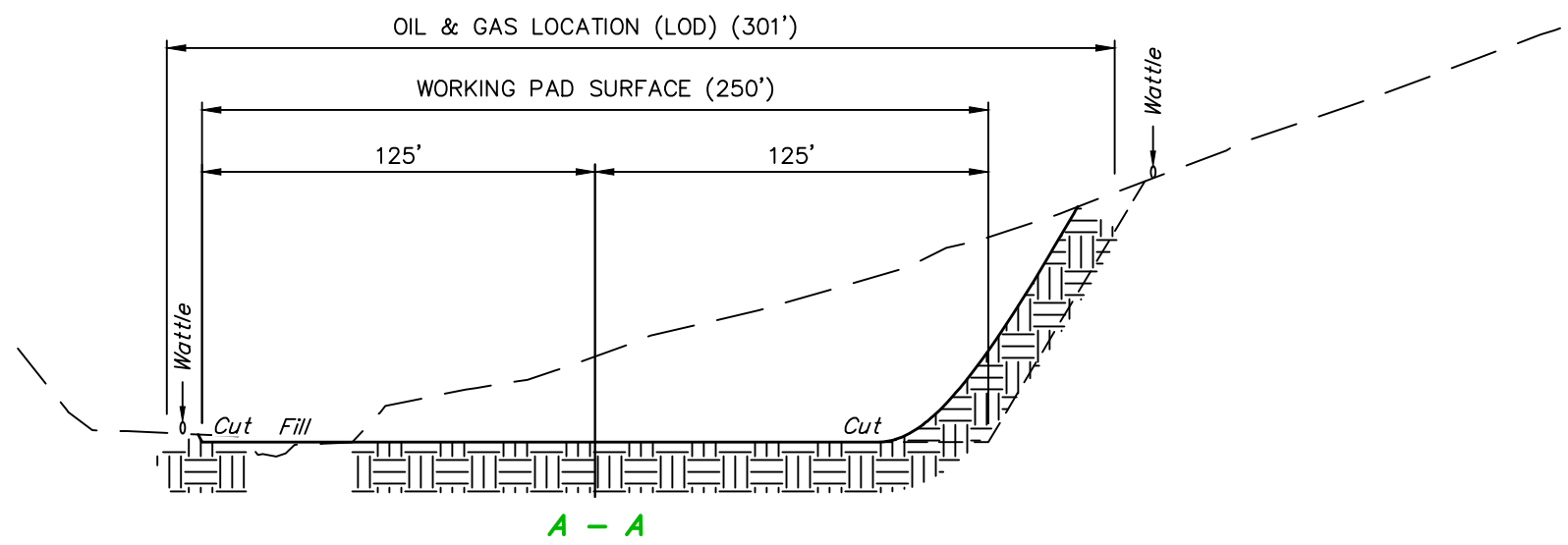
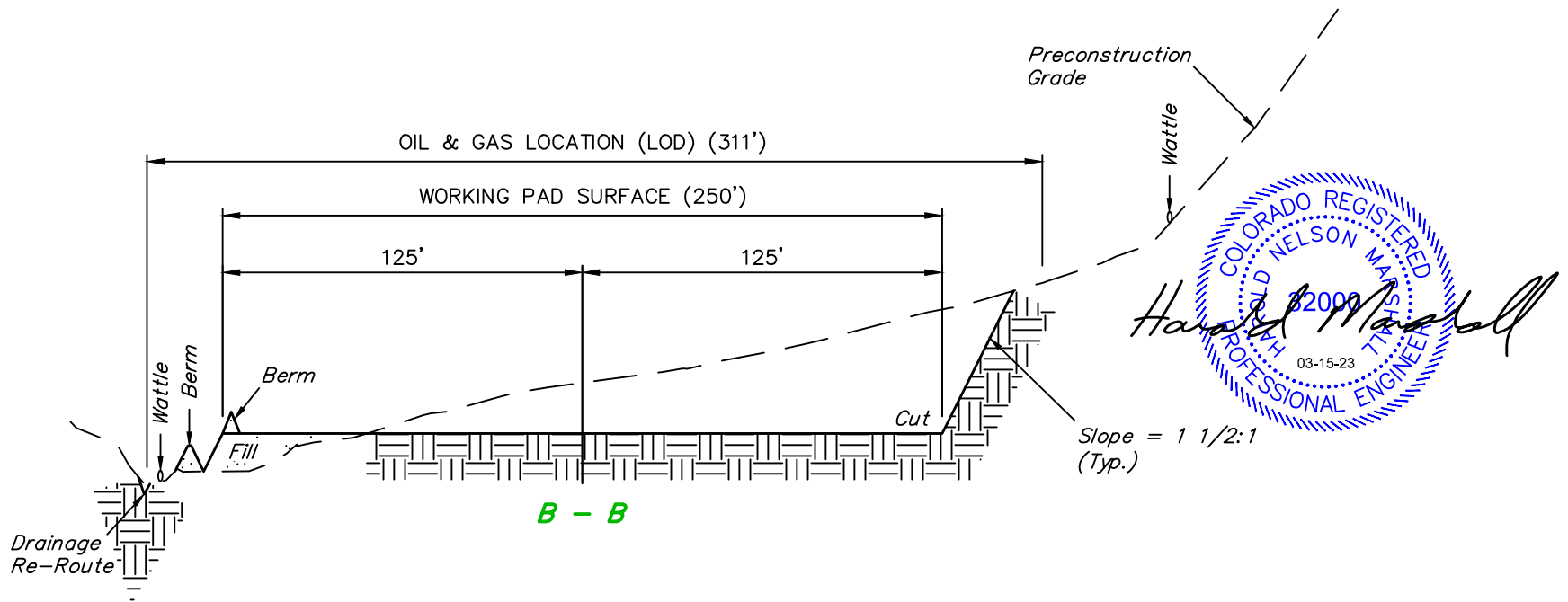
SURVEYED BY	DAYTON SLAUGH	09-20-22	SCALE
DRAWN BY	M.D.	07-14-22	1" = 60'

**CONSTRUCTION LAYOUT**



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

1" = 20'  
X-Section Scale  
1" = 60'



**NOTE:**  
The side lines of the right-of-ways are shortened or elongated to meet the grantor's property lines.  
The Pipeline R-O-W acres are calculated areas using ownership parcels and section lines.

\*\* 465 CU YDS OF MATERIAL USED TO CONSTRUCT TOE BERMS.

APPROXIMATE EARTHWORK QUANTITIES	
(6") TOPSOIL STRIPPING	4,400 Cu. Yds.
REMAINING LOCATION	22,690 Cu. Yds.
<b>TOTAL CUT</b>	<b>27,090 Cu. Yds.</b>
<b>FILL</b>	<b>22,690 Cu. Yds.</b>
EXCESS MATERIAL	4,400 Cu. Yds.
TOPSOIL	4,400 Cu. Yds.
<b>EXCESS UNBALANCE (After Interim Rehabilitation)</b>	<b>0 Cu. Yds.</b>

APPROXIMATE SURFACE DISTURBANCE AREAS		
	DISTANCE	ACRES
30' WIDE ACCESS ROAD "A" R-O-W DISTURBANCE (2-TRACK UPGRADE)	±150'	±0.103
30' WIDE ACCESS ROAD "A" R-O-W DISTURBANCE	±3,811'	±2.625
30' WIDE ACCESS ROAD "B" R-O-W DISTURBANCE	±400'	±0.275
60' WIDE PERMANENT PIPELINE CORRIDOR R-O-W DISTURBANCE	±7,885'	±10.848
20' WIDE TEMPORARY PIPELINE CORRIDOR R-O-W DISTURBANCE EACH SIDE - (40' TOTAL WIDTH)	±7,885'	±7.256
100' WIDE PERMANENT PIPELINE CORRIDOR R-O-W DISTURBANCE (BORE)	±283'	±0.650
<b>TOTAL R-O-W DISTURBANCE</b>		<b>±21.757</b>

APPROXIMATE SURFACE DISTURBANCE AREAS		
	DISTANCE	ACRES
WORKING PAD SURFACE DISTURBANCE	NA	±3.945
CONSTRUCTION DISTURBANCE	NA	±1.747
<b>TOTAL OIL &amp; GAS LOCATION</b>		<b>±5.692</b>

REV: 12 03-15-23 T.L.L. (UPDATE ACCESS ROAD & PIPELINE R-O-W)

- NOTES:**
- Fill quantity includes 30% for compaction.
  - Calculations based on 6" of topsoil stripping.
  - Cut/Fill slopes 1 1/2:1 (Typ. except where noted).

**Caerus Piceance LLC**

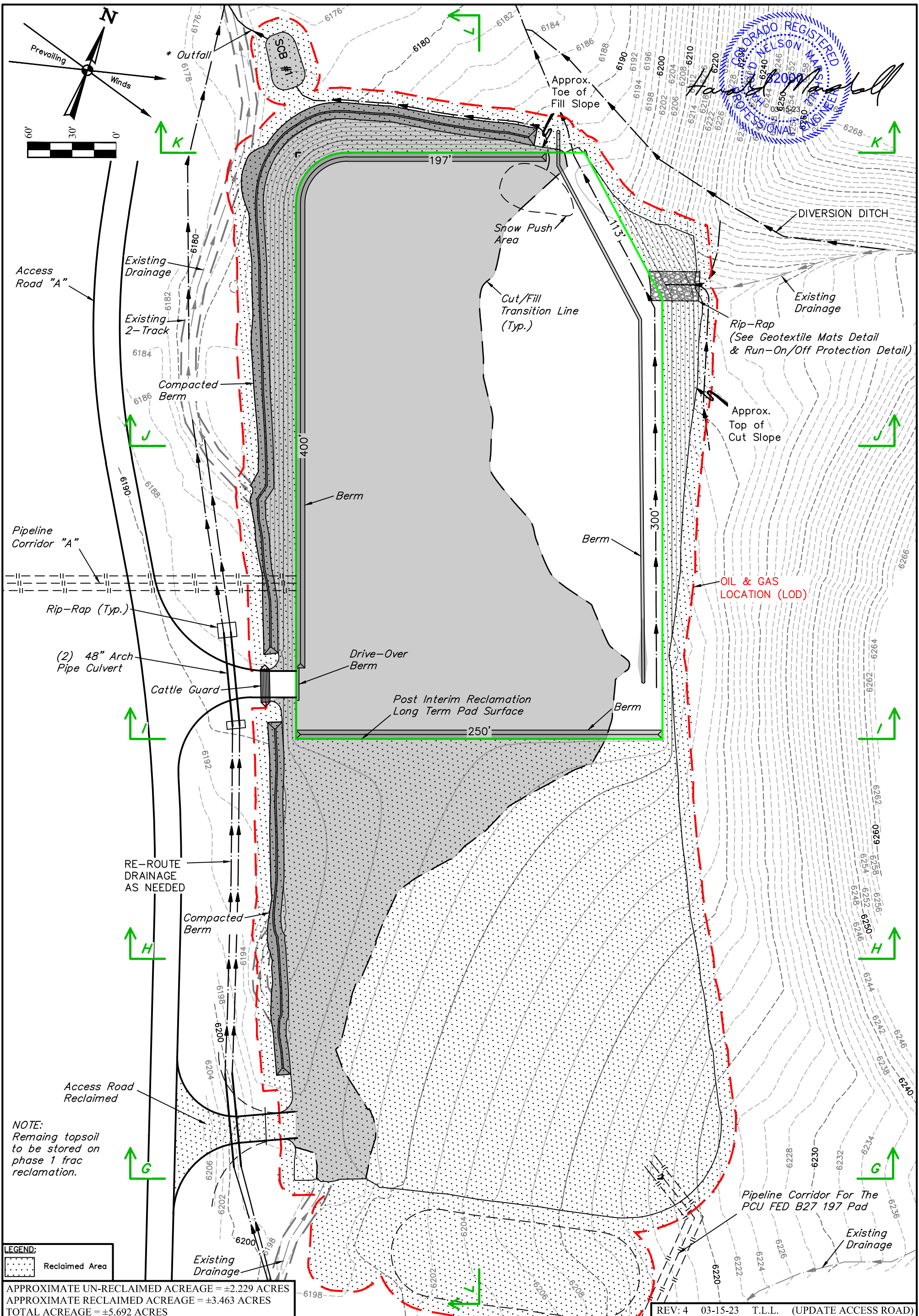
**PCU FED A27 197 CDP & FRAC PAD  
LOT 4, SECTION 27, T1S, R97W, 6th P.M.  
RIO BLANCO COUNTY, COLORADO**



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

<b>SURVEYED BY</b>	DAYTON SLAUGH	09-20-22	<b>SCALE</b>
<b>DRAWN BY</b>	M.D.	07-14-22	AS SHOWN

**CONSTRUCTION LAYOUT CROSS SECTIONS**



NOTE:  
 Remaining topsoil  
 to be stored on  
 phase 1 frac  
 reclamation.

**LEGEND:**  
 [Dotted Pattern] Reclaimed Area

APPROXIMATE UN-RECLAIMED ACREAGE = ±2.229 ACRES  
 APPROXIMATE RECLAIMED ACREAGE = ±3.463 ACRES  
 TOTAL ACREAGE = ±5.692 ACRES

**NOTES:**  
 • Contours shown at 2' intervals.  
 • \* See Figure ST-1 of Caerus Control Measure Manual.

**BMP LEGEND:**  
 SCB = STORMWATER CONTROL BASIN  
 --- OIL & GAS LOCATION (LOD)  
 --- POST INTERIM RECLAMATION LONG TERM PAD SURFACE

REV: 4 03-15-23 T.L.L. (UPDATE ACCESS ROAD)

**Caerus Piceance LLC**

**PCU FED A27 197 CDP & FRAC PAD  
 LOT 4, SECTION 27, T1S, R97W, 6th P.M.  
 RIO BLANCO COUNTY, COLORADO**

SURVEYED BY	DAYTON SLAUGH	09-20-22	SCALE
DRAWN BY	T.L.L.	12-05-22	1" = 60'

**INTERIM RECLAMATION PLAN**



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

## Joel McKinley

---

**From:** Taylor Elm - DNR <taylor.elm@state.co.us>  
**Sent:** Tuesday, March 28, 2023 1:06 PM  
**To:** Joel McKinley  
**Cc:** danielle.neumann@state.co.us; Holly Hill; Lindsey Rider; Brett Middleton; Casey McKee  
**Subject:** Re: RNPU Phase 1 OGDG (PCU FED A27-197 CDP) - Finalized Wildlife Compensatory Mitigation Plan

**CAUTION: This email originated from outside of the organization. Do not click on links or open attachments unless you recognize the sender and know the content is safe.**

---

Hello Joel,

I just reviewed the WMP for PCU FED A27-197 CDP and do not have any proposed changes or questions. The compensatory mitigation details and BMPs are in alignment with all of our pre-application consultation discussions. I appreciate this opportunity to review the final document. Consider this email as CPW's approval of the Wildlife Mitigation Plan for the A27 CDP.

Thank you,

On Mon, Mar 27, 2023 at 1:23 PM Joel McKinley <[jmckinley@caerusoilandgas.com](mailto:jmckinley@caerusoilandgas.com)> wrote:

Good afternoon, Taylor –

Thank you for your time and input to arriving at the attached finalized Wildlife Compensatory Mitigation Plan (WMP) for the PCU FED A27-197 CDP and associated disturbance. Assuming we have appropriately documented our mutually agreed upon terms, we would appreciate your response to this email accepting the WMP.

As discussed, I am finalizing the A27 ALA, however you have reviewed significant portions of it. I will send you the final, final, final copy when available.

Again, thank you,

Joel McKinley

Sr. Regulatory Analyst

O: 720.547.8757

(rings to mobile)

1001 17<sup>th</sup> ST, STE 1600

Denver, CO 80202



## **Disclaimer**

This email message (and any attachments) is for the sole use of the intended recipient(s) and may contain confidential or privileged information. Any unauthorized review, use, disclosure, or distribution is prohibited. If you are not the intended recipient, please immediately notify the sender by reply email and destroy all copies of the original message.