

**Cascade Creek 0697-15-08 Well Site**  
**Dust Mitigation Plan**  
**Rule 427. Dust**



**Laramie Energy, LLC**  
**760 Horizon Drive, Suite 101**  
**Grand Junction, CO 81506**

**Cascade Creek C 0697-15-08 Well Site  
Dust Mitigation Plan  
COGCC Rule 427. Dust**



**Introduction - Rule 427. Dust and Rule 304.c.(5) Dust Mitigation Plan**

The following plan addresses the requirements for Rule 427 Dust under 400 Series of the Colorado Oil and Gas Conservation Commission's (COGCC) Rules as required by Rule 304.c.(5).

**Cascade Creek 0697-15-08 Well Site**

Laramie Energy, LLC (Laramie) (Operator # 10433) is pursuing a Form 2A for an Oil and Gas -Location Assessment permit in Garfield County, Colorado (**Vicinity Map - Appendix A**) for the development of the CC 0697-15-08 well site. The proposed site will be a new location developed on private property, owned by Laramie. The proposed well site will have 18 wells drilled. The site's location is centralized to Laramie's Cascade Creek operations area.

**Location**

The site is located on Parcel #216921400026 within Garfield County, Colorado. The parcel is located 12.2 miles north of De Beque, Colorado. The site is located approximately 14 miles northeast of De Beque, Colorado and 21.8 miles northeast by access route. The site is located approximately 9.6 miles from the nearest public road, County Road 213.

**Legal Description:** SENE of Section 15, Township 6 South, Range 97 West, 6<sup>th</sup> P.M.

**Location Coordinates:** Latitude: 39.526319°; Longitude: -108.198886°

**Elevation:** 8514 feet

**Cascade Creek 0697-15-08 Well Site Dust Mitigation Plan**

The Cascade Creek (CC) 0697-15-08 Dust Mitigation Plan (DMP) details the treatment of unpaved roads and disturbed surfaces to reduce dust produced by vehicle traffic, construction activities, or wind. The application of the DMP will reduce airborne particulate matter during operations and vehicular transportation to ensure compliance with COGCC and local jurisdictional requirements.

Laramie implements fugitive dust controls throughout the Cascade Field. Employees are trained to identify conditions and operate to minimize fugitive dust emissions. The subject site will comply with standards as stated in 427 Dust section of the 400 series.

In order to minimize and mitigate fugitive dust, Laramie has incorporated several practices. Appropriate speed limits have been designated for vehicles on unpaved roadways. Restriction of land disturbance construction activity during high-wind days are also enforced. Field employees will notify operations if dust is observed. Water trucks are utilized to wet roadways, as needed, when natural moisture is insufficient to prevent airborne dust. Water trucks apply magnesium chloride or fresh water to roadways depending on location.

**Rule 427.a.(1) Soil Type**

A soils report from the Natural Resource Conservation Service (NRCS) indicates that the proposed site is composed of Parachute-Irigul complex (Map Unit 55) and Northwater-Adel complex (Map Unit 52). The access road will be comprised of Parachute-Irigul complex

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(Map Unit 55) and Parachute-Irigul-Rhone association (Map Unit 56) soils. The CC 0697-15-08 Soils Maps are provided in **Appendix B**.

**Parachute-Irigul Complex (Map Unit 55)**

The Parachute-Irigul complex (Map Unit 55), 5 to 30 percent slopes, is composed of Parachute and similar soils: 60%, Irigul and similar soils: 30%, and minor components: 10%. Parachute and Irigul are colluvium over residuum weathered from sandstone and shale.

Parachute is a well drained soil with low available water storage of about 3.9 inches. Parachute is classified as hydrologic soil group C which defines the soil as having a slow infiltration rate when thoroughly wet.

Typical profile:      A - 0 to 10 inches: loam  
                              Bw - 10 to 25 inches: very channery loam  
                              Cr - 25 to 59 inches: bedrock

The NRCS states Irigul is a well drained soil with very low available water storage of about 1.5 inches. Irigul is classified as hydrologic soil group D which defines soils as having a very low infiltration rate when wet. This means the soils in group D have a higher potential for run off.

Typical Profile:      A - 0 to 6 inches: channery loam  
                              C - 6 to 13 inches: very channery loam  
                              R - 13 to 59 inches: bedrock

**Northwater-Adel complex (Map Unit 52)**

The Northwater-Adel complex is well drained and composed of Northwater and similar soils (50%), Adel and similar soils (40%), and minor components (10%).

The Northwater is derived from accumulated weathered sedimentary rock. It has a moderate available water storage of about 7.9 inches and has a water transmission rate that is low to moderately high at 0.01 to 0.57 inches per hour. The NRCS classifies Northwater as hydrologic soil group B which is defined as having moderate infiltration rate when thoroughly wet.

Typical Profile:      A - 0 to 28 inches: loam  
                              Bt - 28 to 48 inches: very channery loam  
                              R - 48 to 60 inches: bedrock

NRCS states Adel is composed of alluvium and/or colluvium derived from sedimentary rock. Adel has a high available water storage of about 10.1 inches and a moderately high water transmission rate of 0.21 to 0.71 inches per hour. Adel is classified as hydrologic soil group C which defines the soil as having a slow infiltration rate when thoroughly wet.

Typical Profile:      A1 - 0 to 20 inches: clay loam  
                              A2 - 20 to 31 inches: loam  
                              C - 31 to 60 inches: loam

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**Parachute-Irigul-Rhone association (Map Unit 56)**

The Parachute-Irigul-Rhone association soil unit is composed of Parachute and similar soils (35%), Irigul and similar soils (30%), Rhone and similar soil (30%) and minor components (5%). Parachute, Irigul, and Rhone all originated from accumulated weathered sandstone and shale. Each has a water transmission rate that is low to moderately high at 0.01 to 0.57 inches per hour.

Parachute is a well drained soil with low available water storage of about 3.9 inches. Parachute is classified as hydrologic soil group C which defines the soil as having a slow infiltration rate when thoroughly wet.

Typical profile:     A - 0 to 10 inches: loam  
                          Bw - 10 to 25 inches: very channery loam  
                          R - 25 to 60 inches: bedrock

The NRCS states Irigul is a well drained soil with very low available water storage of about 1.5 inches. Irigul is classified as hydrologic soil group D which defines soils as having a very low infiltration rate when wet. This means the soils in group D have a higher potential for run off.

Typical Profile:     A1 - 0 to 6 inches: channery loam  
                          A2 - 6 to 13 inches: very channery loam  
                          R - 13 to 60 inches: bedrock

Rhone is a well drained soil with moderate available water storage of about 8.3 inches. The NRCS classifies Rhone as hydrologic soil group B which is defined as having moderate infiltration rate when thoroughly wet.

Typical Profile:     A1 - 0 to 10 inches: loam  
                          A2 - 10 to 39 inches: channery loam  
                          C - 39 to 55 inches: very channery loam  
                          R - 55 to 60 inches: bedrock

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**Table 1: NRCS Soil Map Unit: Soil Profile**

Location	Map Unit	Map Unit Name	Composition	Typical Profile		
Well Site	55	Parachute-Irigul complex	Parachute	A - 0 to 10 inches: <b>loam</b>	Bw - 10 to 25 inches: <b>very channery loam</b>	Cr - 25 to 59 inches: <b>bedrock</b>
			Irigul	A - 0 to 6 inches: <b>channery loam</b>	C - 6 to 13 inches: <b>very channery loam</b>	R - 13 to 59 inches: <b>bedrock</b>
Well Site	52	Northwater-Adel complex	Northwater	A - 0 to 28 inches: <b>loam</b>	Bt - 28 to 48 inches: <b>very channery loam</b>	R - 48 to 60 inches: <b>bedrock</b>
			Adel	A1 - 0 to 20 inches: <b>clay loam</b>	A2 - 20 to 31 inches: <b>loam</b>	C - 31 to 60 inches: <b>loam</b>
Access Road	56	Parachute-Irigul-Rhone association	Parachute	A - 0 to 10 inches: <b>loam</b>	Bw - 10 to 25 inches: <b>very channery loam</b>	Cr - 25 to 59 inches: <b>bedrock</b>
			Irigul	A - 0 to 6 inches: <b>channery loam</b>	C - 6 to 13 inches: <b>very channery loam</b>	R - 13 to 59 inches: <b>bedrock</b>
			Rhone	A1 - 0 to 10 inches: <b>loam</b>	A2 - 10 to 39 inches: <b>channery loam</b>	C - 39 to 55 inches: <b>very channery loam</b> R - 55 to 60 inches: <b>bedrock</b>

**Table 2: Soils Occurring in Location**

Location	Map Unit Symbol	Soil Series	Soil Unit Description	Estimated Acreage Disturbed
Well site	55	Parachute-Irigul complex	Occurs on the mountain flanks of mountain slopes. Parent material is colluvium over residuum weathered from sedimentary rock	4.34
Well Site	52	Northwater-Adel complex	Occurs on mountain slopes and is derived from colluvium over residuum weathered from sandstone and shale.	2.77
Access Road	56	Parachute-Irigul-Rhone association, 25 to 50 percent slopes	Occurs on mountain slopes and the parent material is colluvium over residuum weathered from sandstone and shale.	0.56

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**Rule 427.a.(2) Proposed vehicle speed limit to minimize dust**

Access roads within Laramie’s Cascade Creek field will not exceed speeds of 25 miles per hour (m.p.h.) on unpaved roads. During dry conditions or when dust is visible, vehicles will reduce speeds based on conditions. Field employees will notify operations if dust is observed.

**Rule 427.a.(3) Total area of soil disturbance (in acres)**

Total surface area of initial disturbance is estimated at 7.6 acres for the proposed well site. The estimated earthwork is shown in the Layout Drawings (**Appendix B**) and includes topsoil, cut, and fill estimates for pad construction and stormwater control features.

Operations will be conducted in the following stages at the CC 0697-15-08: initial grading activities, drill rig mobilization, drilling, completions and flowback, production, interim reclamation, and final grading/reclamation of the site. Phases may occur simultaneously at the site. Inspection activities will occur during the lifespan of the site.

The CC 0697-15-08 will initially generate 7.6 acres of new short-term disturbance (**Layout Drawing – Appendix C**); however, the site will be reduced by approximately 5.8 acres at the time of interim reclamation (**Appendix C**). The long-term disturbance associated with this pad will be 1.8 acres. Interim reclamation will begin after all wells are drilled and completed as planned with production facilities installed at the pad. Interim reclamation activities will take approximately 5 days to complete. During interim reclamation, the cut and fill slopes will be reshaped and contoured leaving approximately 1.8 acres of working area.

**Table 3. Disturbance Acreage for CC 0697-15-08 Well Site**

<b>Area</b>	<b>Disturbance in Acres</b>
Area of Disturbance (including access road)	7.6 acres
Working Pad Surface	3.2 acres
Area to be reclaimed during interim reclamation	5.8 acres
Production Pad Surface (long-term disturbance)	1.8 acres

Laramie will implement and complete temporary (i.e., pre-interim) reclamation or standard interim reclamation practices as required on the “open” pad to control stormwater drainage and weeds and provide for wildlife protection measures and dust abatement.

**Rule 427.a.(4) Surface of Access Road**

The proposed access road will be installed within the CC 0697-15-08 Area of Disturbance and previously disturbed surface of the CC 697-15-23. No additional soil disturbance for the access road is anticipated. Gravel will be placed on the CC 0697-15-08. Initial gravel application shall be a minimum of 6 inches. Laramie will provide timely year-round road maintenance and cleanup on the access roads. A regular schedule for maintenance will

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include, but not be limited to, blading, ditch and culvert cleaning, road surface replacement, and dust abatement.

Unpaved roads and staging areas shall be watered three times daily when being used by construction vehicle traffic to maintain no visible vehicle travel dust emissions.

**Rule 427.a.(5) Number of anticipated truck trips during each stage of wellpad construction, drilling, completion, and production**

The following **Table 4** summarizes the total expected average VPD and maximum trips per activity for the operational life of the CC 0697-15-08 well site.

**Table 4: Trip Generation – Total Trips Accessing 0697-15-08 Well Site**

Stage	Time Interval (Days)	Total Maximum Trips Generated Per Activity*	Average VPD Per Activity*
Initial Grading and Construction Activities	30	124	4.1
Drill Rig Mobilization	4	198	47.3
Drilling	110	2440	22.2
Completions and Flowback Staging and Demobilization	20	562	28.1
Completions; Flowback	66	1630	25.2
Production	-	-	2
Interim Reclamation	5	26	5.2
Inspections	-	-	1

\*Calculations based on the CC 0697-15-08 Traffic Summary, combining vehicle trips on private and public access roads.

**Rue 427.a.(6) A plan for suppressing fugitive dust caused solely by wind**

During construction and earthwork activities employees and contractors will report if wind speeds increase and dust is observed. Laramie will implement dust abate measures, as stated in the DMP, to reduce and prevent dust caused by wind.

To prevent dust from wind when the site is not actively being accessed, Laramie will employ watering. Inactive excavated or graded soils and soil piles shall be sufficiently watered or sprayed with a soil stabilizer to create a surface crust or shall be covered.

Employees and contractors will be notified if weather events that may promote dust are predicted or observed.

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**Rule 427.a.(7) Best Management Practices**

Laramie has adopted the following BMPs to mitigate dust during construction and transportation activities:

- Vehicles will not travel at speeds over 25 m.p.h. on unpaved roads.
- During dry conditions or when dust is visible, vehicular speeds will be reduced.
- Restriction of land disturbance construction activity during high-wind day.
- Field employees will notify operations if dust is observed.
- Water trucks will be utilized to wet roadways, as needed, when natural moisture is insufficient to prevent airborne dust.
- Water trucks apply magnesium chloride or fresh water to roadways depending on location.
- Drop heights from excavators and loaders shall be minimized to a distance no more than 5 feet.
- Construction activities that occur on unpaved surfaces shall be discontinued during periods when activities are causing visible dust plumes that cannot be avoided by approved dust suppression methods.
- Contractor shall conduct a visual inspection of the vehicle wheels and the wheels of the equipment loaded upon each vehicle to assess the presence of dirt.

Laramie uses fresh water sources within the Cascade Creek or Knowles Trucking for dust suppression. Knowles Trucking, utilized depending on conditions or time of year, obtains fresh water from the Colorado River prior to accessing the Cascade Creek field.

Laramie has two main fresh water sources within the Cascade Creek field. Firewater Pond provides the water source for the Plateau/Mesa area and the Savage Pond is the source for the valley. Firewater is pumped into Pond 13 or Pond 4 and water trucks access the water from stated ponds for dust suppression application.

***Rule 427.b. Operators will minimize fugitive dust caused by their operations, or dust originating from areas disturbed by their Oil and Gas Operations that becomes windborne.***

Laramie will adhere to Rule 427.b. Laramie will implement fugitive dust controls throughout the Cascade Field as stated in the 0697-15-08 Dust Mitigation Plan to minimize dust caused by operations.

**Rule 427.c. Applying Dust Suppressant.**

Laramie will apply fresh water and/or magnesium chloride as a dust suppressant depending on conditions and location. Any chemical-based dust suppressant shall be applied per manufacturer's recommendations and in sufficient quantities to maintain compliance.

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**Rule 427.c.1.** Laramie will not apply the following fluids for dust suppression as state in COGCC Rule 427.c.(1):

- Produced water
- E&P Waste or hazardous waste
- Crude oil or any oil not specifically designed for road maintenance
- Solvents
- Any process Fluids

**Rule 427.c.(2)** *Operators will use only fresh water (potable or non-potable) to conduct dust suppression activities within 300 feet of the ordinary high-water mark of any water body.*

Laramie will adhere to COGCC 427.c.(2) and will only utilize fresh water to conduct dust suppression activities within 300 feet of the ordinary high-water mark of any water body.

**Rule 427.c.(3)** *Operators will maintain safety data sheets (“SDS”) for any chemical-based dust suppressant and make the SDS available immediately upon request to the Director and to the Local Government. Operators will maintain SDS for any chemical-based dust suppressant until the site passes final site Reclamation and transfer the records upon transfer of property ownership.*

Laramie will maintain SDS for any chemical-based dust suppressant utilized in within the CC 0697-15-08 site perimeter. Records will be made available upon request. Any chemical-based dust suppressant shall be applied per manufacturer’s recommendations and in sufficient quantities to maintain compliance.

**Rule 427.d.** *Within 2,000 feet of Building Units, or High Priority Habitat, the Commission may require additional dust control measures as a condition of approval.*

The DMP was designed to mitigate and minimize dust impacts to any wildlife and vegetation in the surrounding area. The CC 0697-15-08 is not located within 2,000 of any building units. The proposed site location is located within 2,000 of a High priority habitat.

Dust generated during project construction and project-related vehicle traffic on associated access roads has the potential to impact adjacent vegetation. Dust deposition may reduce plant numbers or plant vigor as a result of respiratory and reproductive suppression. However, due to the short-term construction phase and the implementation of dust suppression measures during construction activities, dust impacts are not expected to create any long-term impacts on nearby vegetation.

**Cascade Creek C 0697-15-08 Well Site  
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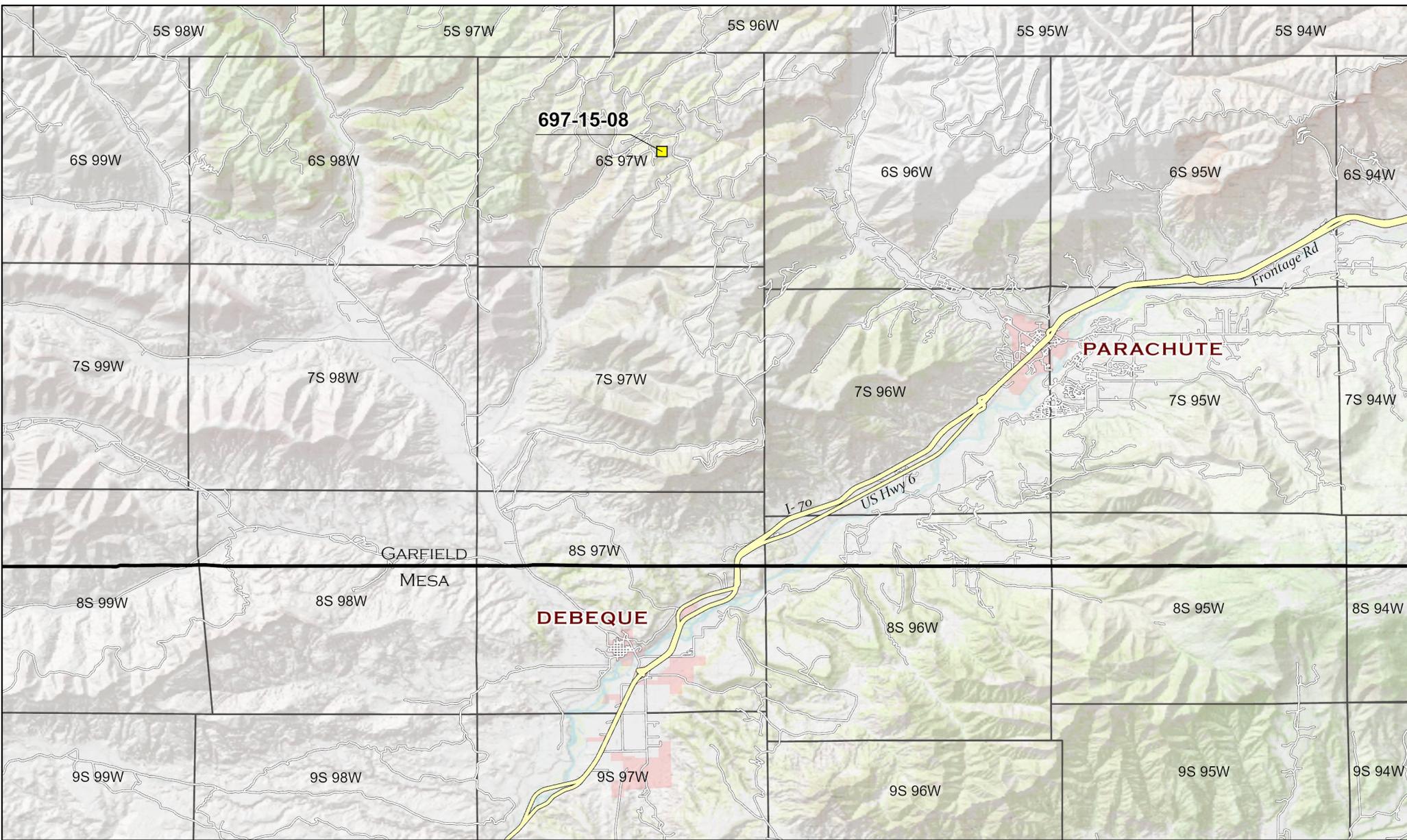
**Rule 427.e. Cumulative Dust Impacts.** *Based on review of dust mitigation plans submitted pursuant to Rule 427.a, the Commission may require Operators to adopt additional dust mitigation requirements to reduce cumulative dust impacts, based on the following considerations:*

Laramie shall implement dust abatement measures as needed to prevent cumulative dust impacts from vehicular traffic, equipment operations, or wind events. BMPs such as creating efficient travel routes, reducing vehicular travel when possible, and observing wind and soil conditions will mitigate and minimize fugitive dust.

<b>List of Appendices</b>	
<b>Appendix A</b>	Vicinity Map
<b>Appendix B</b>	NRCS Soil Unit Maps
<b>Appendix C</b>	Layout Drawings

# **Appendix A**

## **Vicinity Map**



**LEGEND**

■ Site Location

0 3.5 7 mi

1 inch = 3.5 mi

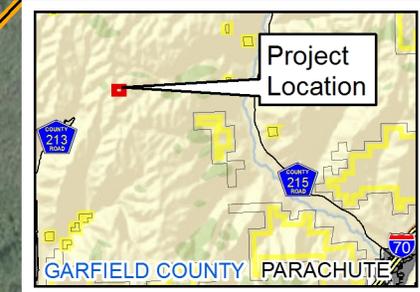
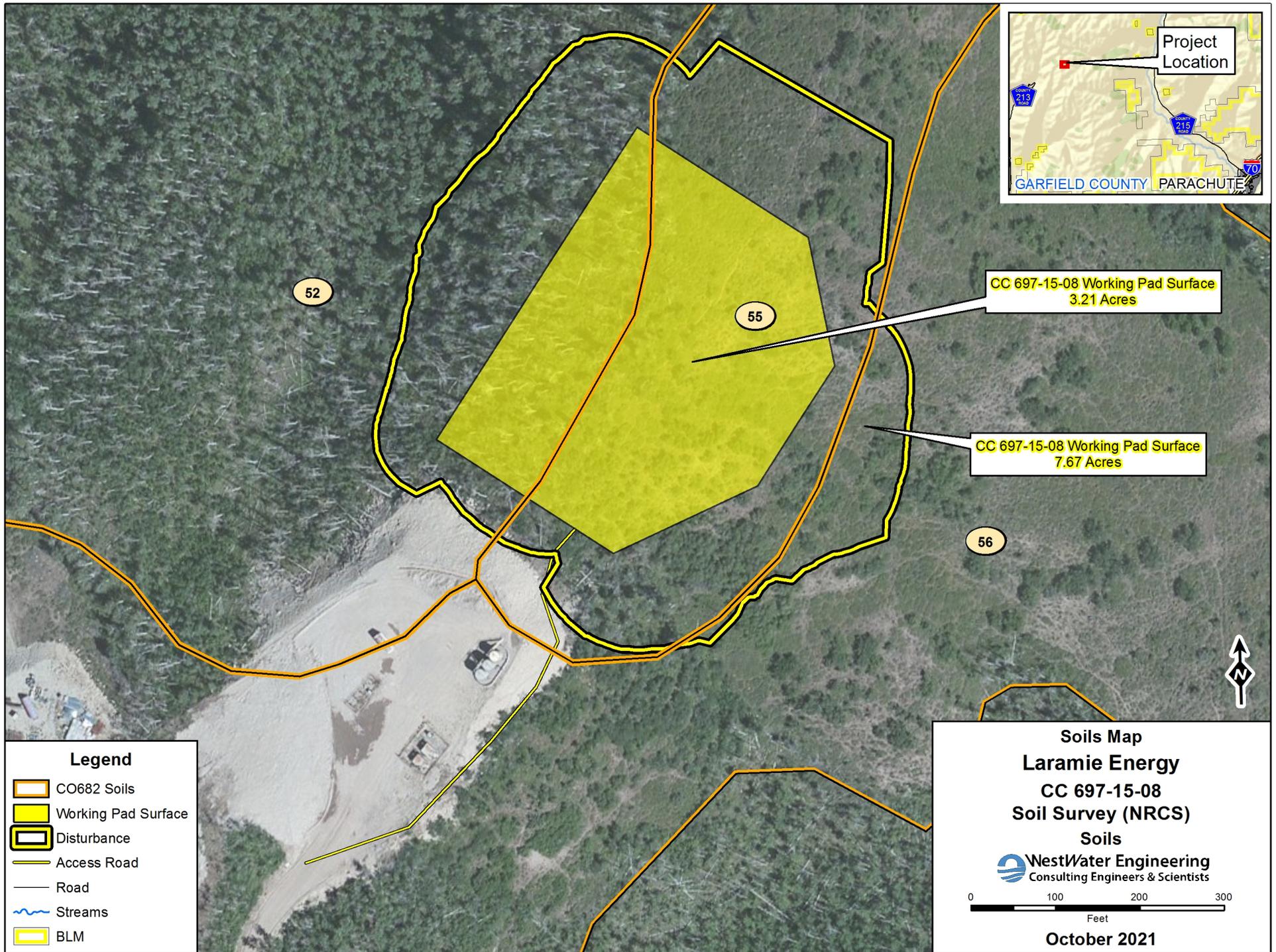
Project No:	021-036
Map By:	NDB
Date:	4/13/2021

**Vicinity Map**  
 Cascade Creek 697-15-08 Pad  
 Laramie Energy  
 SENE, Section 15, T6S R97W, 6th P.M.  
 Garfield County, Colorado

330 Grand Avenue, Unit C  
 Grand Junction, CO 81501  
 970-549-1015

Figure
1

**Appendix B**  
**NRCS Soil**  
**Maps**



CC 697-15-08 Working Pad Surface  
3.21 Acres

CC 697-15-08 Working Pad Surface  
7.67 Acres

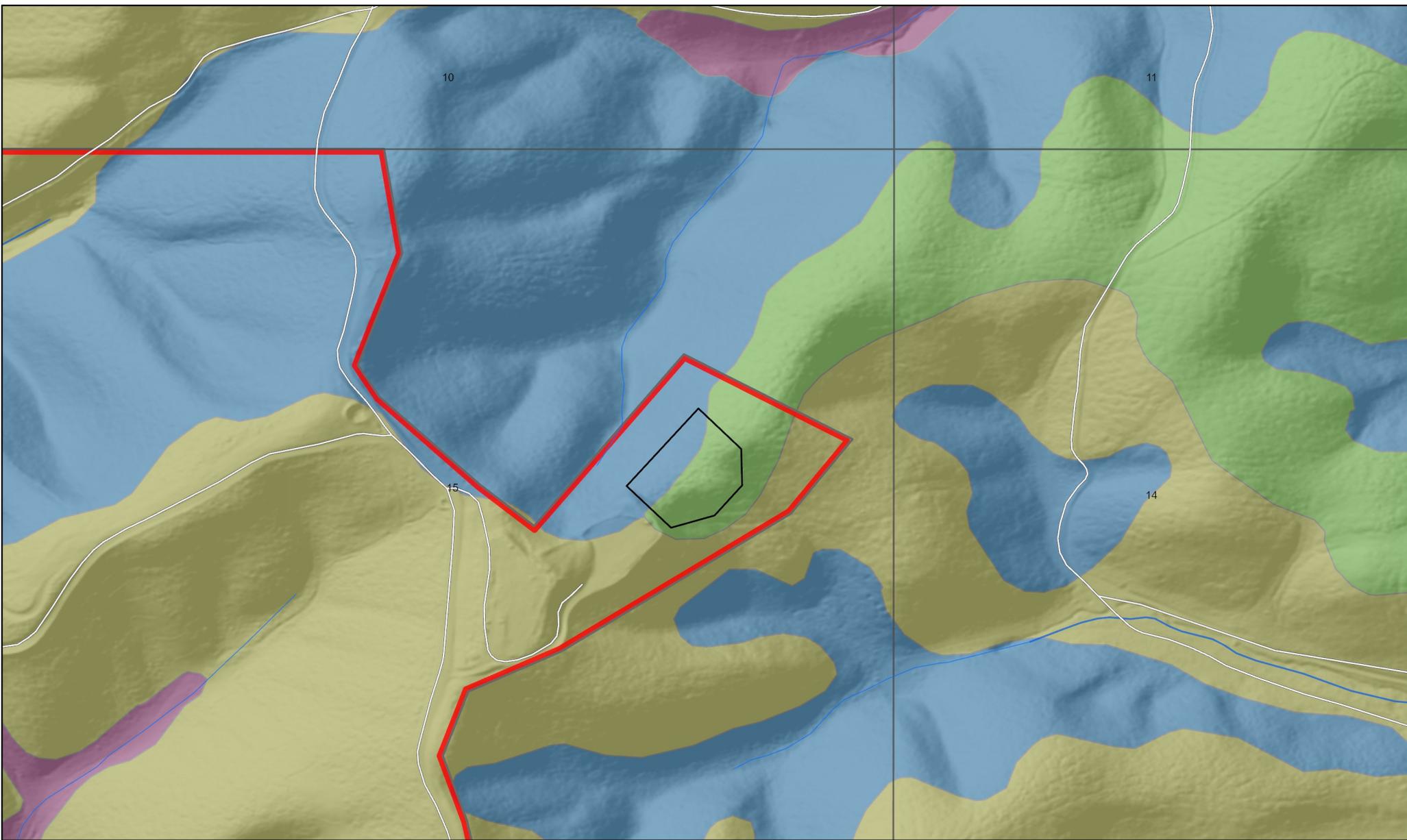
**Legend**

- CO682 Soils
- Working Pad Surface
- Disturbance
- Access Road
- Road
- Streams
- BLM

**Soils Map**  
**Laramie Energy**  
**CC 697-15-08**  
**Soil Survey (NRCS)**  
**Soils**  
**WestWater Engineering**  
 Consulting Engineers & Scientists

0 100 200 300  
 Feet  
**October 2021**

Map Source: Z:\Laramie Energy III\Cascade Creek Oil and Gas Development Plan\2021\GIS\Soil Survey (NRCS) Report Maps 9-30-21\CC 697-15-08 Figure 2.mxd 10/14/2021 rb



<b>LEGEND</b>			
Northwater-Adel complex, 5 to 50 percent slopes	Pad Boundary		
Parachute-Irigul complex, 5 to 30 percent slopes			
Parachute-Irigul-Rhone association, 25 to 50 percent slopes MLRA 48A			
Silas loam, 1 to 12 percent slopes			

Project No:	021-036
Map By:	NDB
Date:	4/13/2021

**NRCS Soils Map**  
 Cascade Creek 697-15-08 Pad  
 Laramie Energy  
 SENE, Section 15, T6S R97W, 6th P.M.  
 Garfield County, Colorado



330 Grand Avenue, Unit C  
 Grand Junction, CO 81501  
 970-549-1015

Figure
5

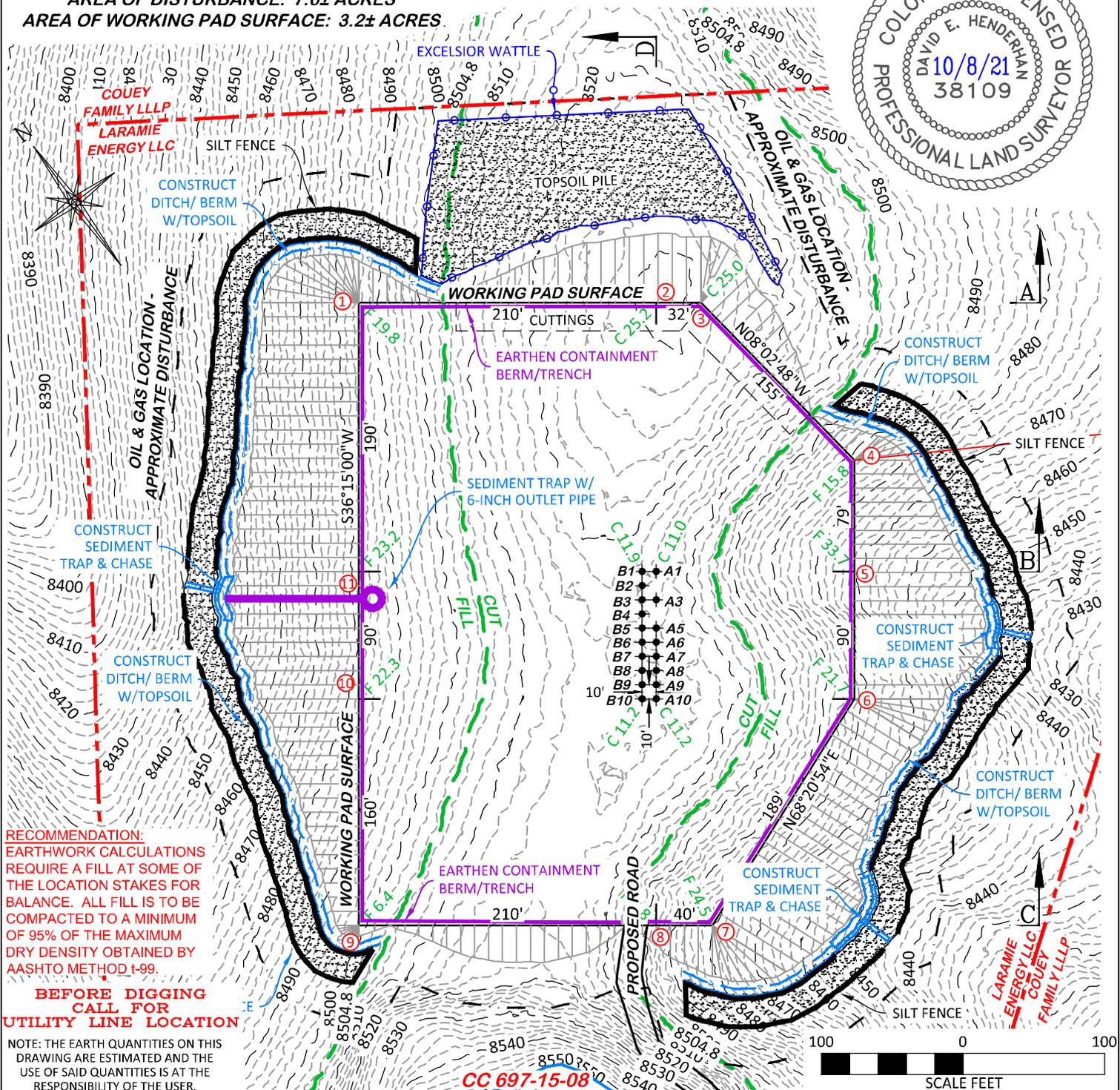
# **Appendix C**

## **Layout**

### **Drawings**

**UNGRADED ELEVATION: 8515.8'**  
**FINAL ELEVATION: 8504.8'**  
**AREA OF DISTURBANCE: 7.6± ACRES**  
**AREA OF WORKING PAD SURFACE: 3.2± ACRES.**

Proposed access road and pipeline will be installed within the CC 0697-15-08 Area of Disturbance and previously disturbed surface of the CC 697-15-23.



**RECOMMENDATION:**  
 EARTHWORK CALCULATIONS REQUIRE A FILL AT SOME OF 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.

**BEFORE DIGGING CALL FOR UTILITY LINE LOCATION**

NOTE: THE EARTH QUANTITIES ON THIS DRAWING ARE ESTIMATED AND THE USE OF SAID QUANTITIES IS AT THE RESPONSIBILITY OF THE USER.

ESTIMATED EARTHWORK BANK					ESTIMATED EARTHWORK LOOSE (25% SWELL)				
ITEM	TOPSOIL	CUT	FILL	EXCESS	ITEM	TOPSOIL	CUT	FILL	EXCESS
PAD	7,869 BCY	37,178 BCY	45,151 BCY	(15,842) BCY	PAD	7,869 BCY	46,473 LCY	45,151 LCY	(6,547) LCY
PIT		NONE		NONE	PIT		NONE		NONE
<b>TOTALS</b>	<b>7,869 BCY</b>	<b>37,178 BCY</b>	<b>45,151 BCY</b>	<b>(15,842) BCY</b>	<b>TOTALS</b>	<b>7,869 BCY</b>	<b>46,473 LCY</b>	<b>45,151 LCY</b>	<b>(6,547) LCY</b>

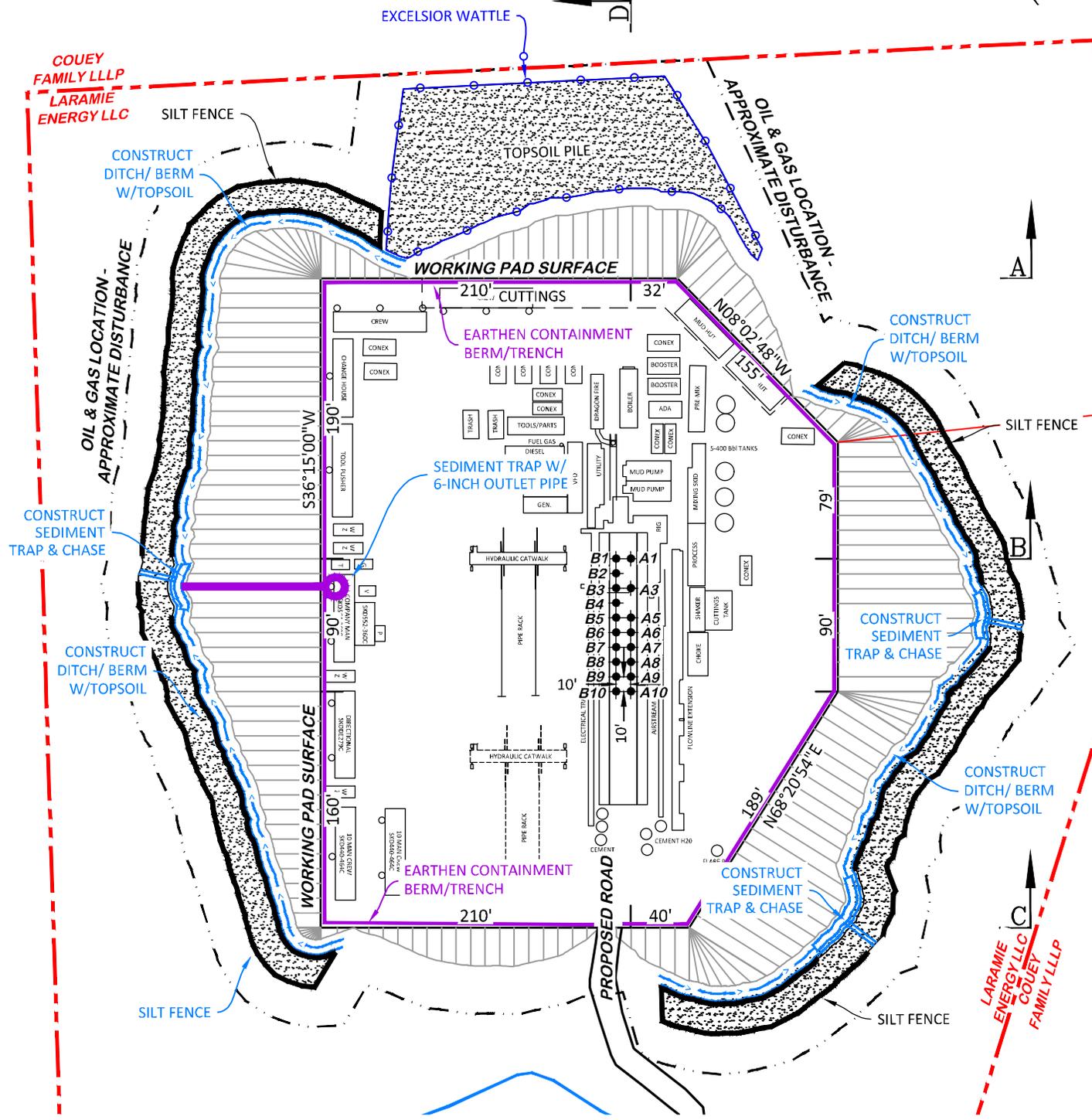
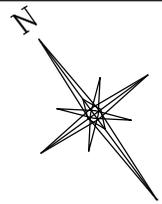
**DRG RIFFIN & ASSOCIATES, INC.**  
 (307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901

DRAWN: 12/8/2020 - DEH	SCALE: 1" = 100'
REVISED: 10/4/2021 - DEH	DRG JOB No. 22026
COGCC RULE REVISIONS	304B(7)BI CONST

LAYOUT DRAWING 1 OF 7  
**CONSTRUCTION LAYOUT DRAWING**  
**ESTIMATED EARTHWORK**  
**LARAMIE ENERGY, LLC.**  
 CC 697-15-08  
 SENE, SECTION 15, T. 6 S., R. 97 W., 6th P.M.,  
 GARFIELD COUNTY, COLORADO

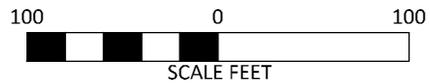
UNGRADED ELEVATION: 8515.8'  
 FINAL ELEVATION: 8504.8'  
 AREA OF DISTURBANCE: 7.6± ACRES  
 AREA OF WORKING PAD SURFACE: 3.2± ACRES

Proposed access road and pipeline will be installed within the CC 0697-15-08 Area of Disturbance and previously disturbed surface of the CC 697-15-23.



BEFORE DIGGING  
 CALL FOR  
 UTILITY LINE LOCATION

CC 697-15-08



**DRG** RIFFIN & ASSOCIATES, INC.  
 (307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901

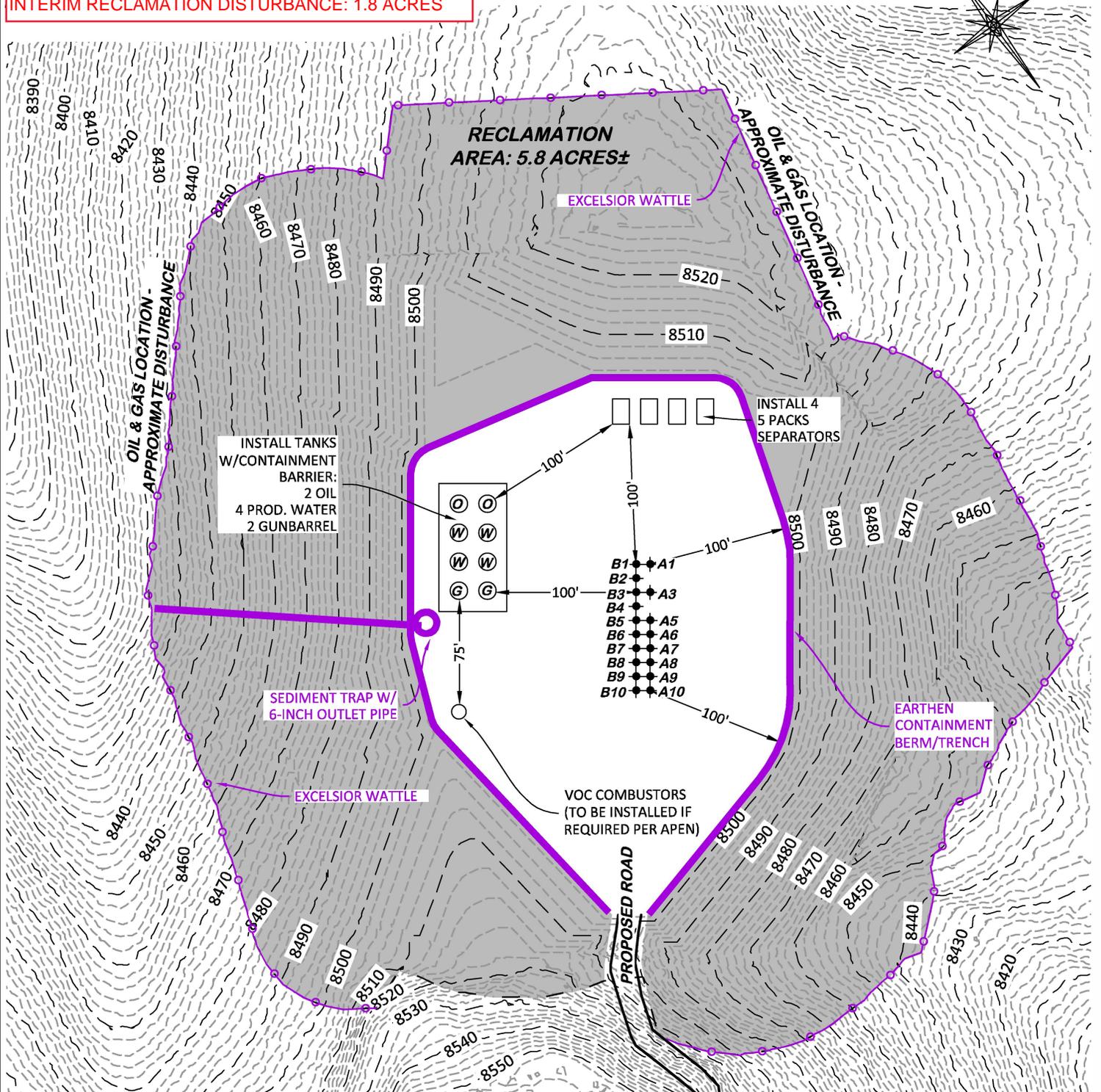
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REVISED: 10/4/2021 - DEH	DRG JOB No. 22026
COGCC RULE REVISIONS	304B(7)BII RIG

LAYOUT DRAWING 3 OF 7

**PRELIMINARY RIG LAYOUT**  
**LARAMIE ENERGY, LLC.**  
 CC 697-15-08  
 SENE, SECTION 15, T. 6 S., R. 97 W., 6th P.M.,  
 GARFIELD COUNTY, COLORADO

**APPROXIMATE DISTURBANCE AREA: 7.6 +/- ACRES**  
**PROPOSED RECLAMATION AREA: 5.8 ACRES**  
**INTERIM RECLAMATION DISTURBANCE: 1.8 ACRES**

Proposed access road and pipeline will be installed within the CC 0697-15-08 Area of Disturbance and previously disturbed surface of the CC 697-15-23.



**BEFORE DIGGING  
 CALL FOR  
 UTILITY LINE LOCATION**

**CC 697-15-08**

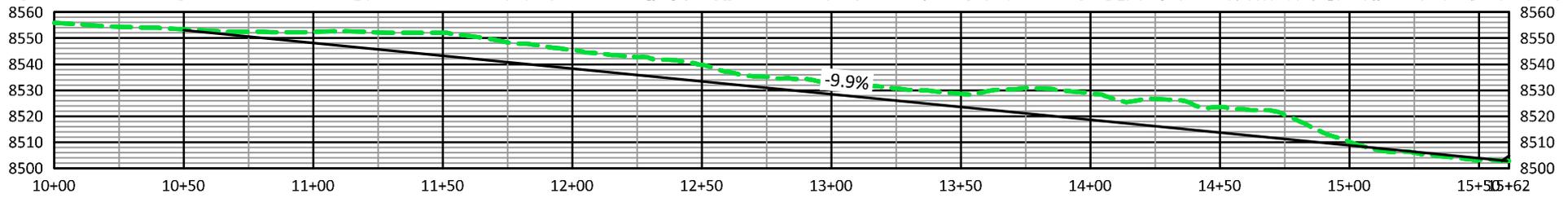
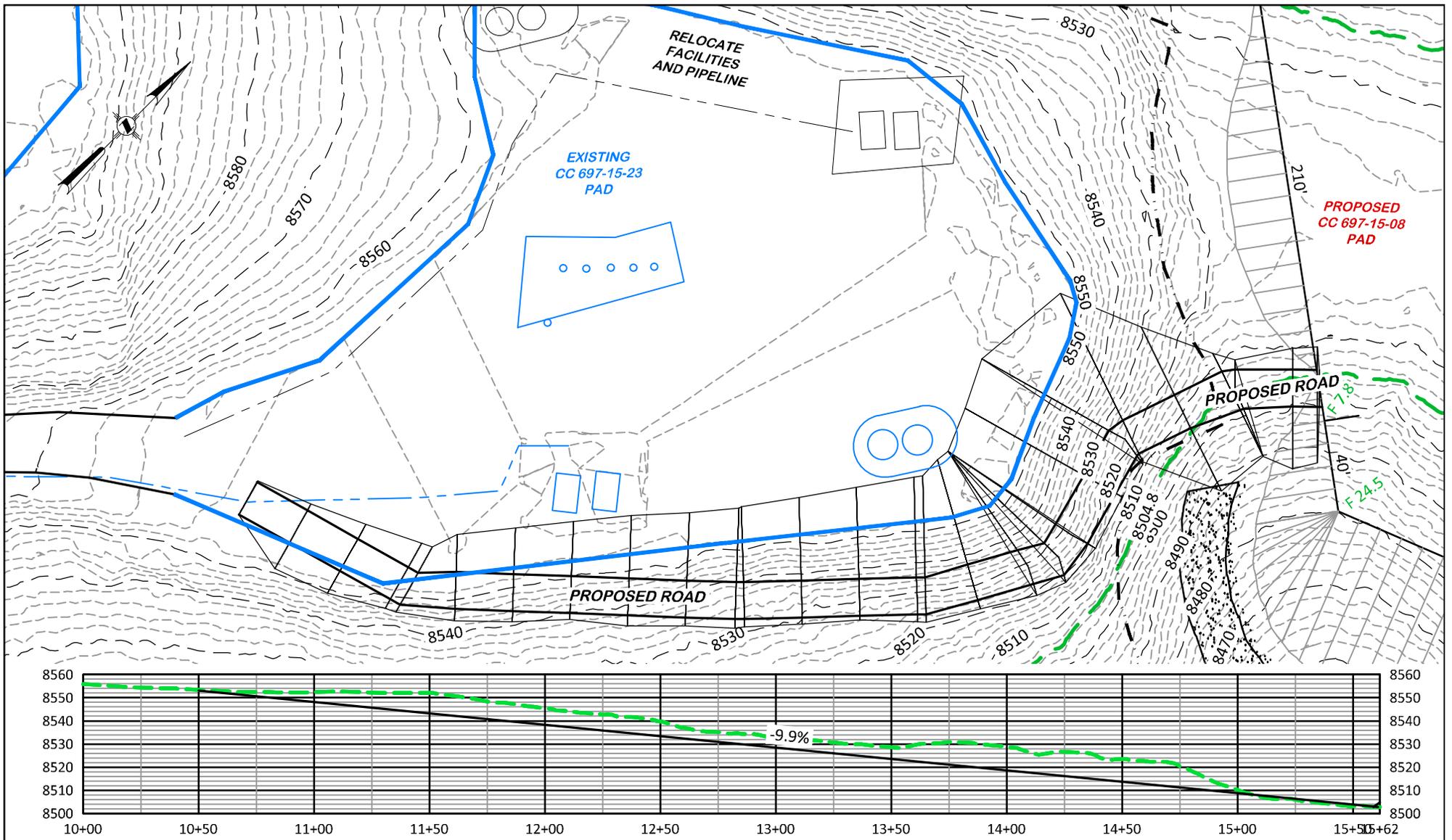


**DRG RIFFIN & ASSOCIATES, INC.**  
 (307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901

DRAWN: 12/8/2020 - DEH	SCALE: 1" = 100'
REVISED: 10/4/2021 - DEH	DRG JOB No. 22026
COGCC RULE REVISIONS	304C(16) RECLAMATION

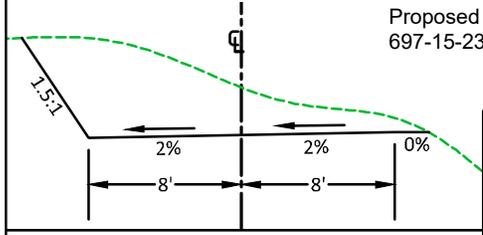
**FACILITY LAYOUT DRAWING - INTERIM RECLAMATION PLAN**

**PROPOSED INTERIM RECLAMATION  
 LARAMIE ENERGY, LLC.**  
**CC 697-15-08**  
**SENE, SECTION 15, T. 6 S., R. 97 W., 6th P.M.,  
 GARFIELD COUNTY, COLORADO**



Proposed access road and pipeline will be installed within the CC 0697-15-08 Area of Disturbance and previously disturbed surface of the CC 697-15-23. Laramie will provide an As-Built Layout Drawing after construction to confirm the total acreage disturbed.

**CC 697-15-08**



ESTIMATED EARTHWORK		
CUT	FILL	EXCESS
6,949 CY	193 CY	6,756 CY

**DRG** RIFFIN & ASSOCIATES, INC.  
 (307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901

DRAWN: 12/8/2020 - DEH	SCALE: H - 1" = 60' V - 1" = 60'
REVISED: 10/4/2021 - DEH	DRG JOB No. 22026
COGCC RULE REVISIONS	304B(7)F ROAD PP

**ACCESS PLAN AND PROFILE**

**LARAMIE ENERGY, LLC.**  
**CC 697-15-08**  
**SENE, SECTION 15, T. 6 S., R. 97 W., 6th P.M.,**  
**GARFIELD COUNTY, COLORADO**