



## **INTERIM RECLAMATION PLAN**

**SHELTON CPR-25 PAD**  
SECTION 25, T4N, R65W  
Weld County, Colorado

**ORIGINAL PREPARATION DATE:**  
March 08, 2022

**PREPARED FOR:**  
CRESTONE PEAK RESOURCES  
555 17th Street, Suite 3700  
Denver, CO 80202

**PREPARED BY:**  
Lamp Rynearson  
4715 Innovation Drive, Suite 100  
Fort Collins, CO 80525

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# 1.0 INTRODUCTION

Crestone Peak Resources requested Lamp Rynearson to develop an interim reclamation plan for the SHELTON CPR-25 PAD (the "Site") prior to commencement of construction activities. This interim reclamation plan specifically addresses COGCC 1003 series reclamation regulations. The interim and final reclamation plan covers the Site background, current vegetation on Site, monitoring, and stipulations for a successful reclamation.

## 1.1 Site Location

The Site is located northwest of Weld County Road 49 and Weld County Road 40 in Weld County, Colorado (NE ¼ SE ¼ , Sec 25, T4N, R65W ) within a rangeland field in Weld County (See Vicinity Map, Appendix A). The surrounding properties are primarily rangeland, but the field was observed to be in fallow as the time of assessment. Initially, the disturbed area of the proposed site is 10.97 AC but gets reduced to 5.32 AC after interim reclamation is complete.

## 1.2 Vegetation

According to the Land Cover Viewer, the Site intersects only one class of vegetation – rangeland crop. There are no known weed infestations at this location.

## 1.3 Soil

The soil within the site is Valent Sand. The A soil horizon depths were observed to be 3 to 10 inches deep across the location. The soils throughout the site were delineated by changes in the soil structure accompanied by an increase in clay content.

## 1.4 Site Topography

The existing landscape slopes northeast and west where any runoff naturally sheet flows downstream as done historically at 3.0-9.0%. This slope pattern will be maintained in the Interim Reclamation Phase; however, the runoff will be captured in the detention pond at the northeast end of the site and released downstream as done historically.

# 2.0 PRE-CONSTRUCTION EARTHWORK

## 2.1 Topsoil Salvaging

Topsoil 10 inches in depth will be salvaged from the Site. Salvaged topsoil should be of sufficient volume to cover the Site to a minimum depth of 10 inches for both interim and final reclamation. Areas from which topsoil is excavated will have been cleared of objectionable vegetation by pulling, mowing, or chemical herbicides. All other litter such as woody vegetation, rocks, and foreign materials will be removed by means that are most effective, to be determined by the contractor.

## 2.2 Topsoil Stockpiling

Topsoil from the Site will be stockpiled on-site. Any surplus topsoil removed from the Site may be utilized for other reclamation sites where topsoil may be needed, provided that all precautions are taken to prevent the spread of noxious weeds from the Site to other locations. Stockpiles should be constructed with no greater than 3:1 side slopes and with a height of nine feet max. The topsoil stockpiles will be seeded immediately after placement with a quick-germination grass seed mix, specified by the County, or other means shall be employed so that the topsoil is protected from erosion. Additionally, a continuous berm will be placed around any down slope sides of the topsoil stockpile to prevent runoff and erosion. Placement of topsoil stockpiles should incorporate stormwater/runoff BMPs.

## 3.0 INTERIM RECLAMATION

Interim reclamation will occur on all disturbed areas where final reclamation cannot be conducted due to on-going construction or operational activities at the Site. Interim reclamation is considered complete when all disturbed areas have been built on, compacted, covered, or otherwise stabilized to the extent practicable. Crestone will consult with the land owner to confirm that the Site will be returned to rangeland. If the Site is to be reincorporated into the surrounding rangeland, areas of interim reclamation will be crimped with straw to help control erosion and dust until crops are planted. If the Site will not be utilized for agriculture, areas of interim reclamation will be planted with the seed mix specified by the County. Interim reclamation shall occur no later than (3) months on cropland or (6) months on non-cropland after drilling phase commences. Fall/winter and amendment applications are recommended to optimize dormancy and moisture conditions for suitable winter-spring germination and growth. Planting of native species between May and September will not favor planted grasses, for example, and may encourage weed growth through surface disturbance.

Crestone Peak Resources will utilize a temporary above-ground irrigation system to promote seed germination, if needed, during periods of dry and drought conditions. A temporary fresh water tank will be located within the pad and utilized for the temporary irrigation system until germination and seed growth is established. Crestone Peak Resources will use a professional landscape maintenance company to maintain the site.

Interim reclamation will also include the control of soil lost from wind and water erosion using best management practices (BMPs). BMPs are selected based on Site-specific conditions and include, but are not limited to, revegetation of disturbed areas, continuous berms, surface roughening, silt fences, sediment basins, straw bale dikes, or any other comparable measures. Interim reclamation helps to ensure the protection of the soil from erosion, to meet diverse needs of wildlife, thermal cover, predatory cover, overall diversity, and to help limit the visual impacts of the pad construction. Site specific BMPs are included at the end of this report.

### 3.1 *Soil Sampling Methods*

As part of interim reclamation, topsoil from the stockpile(s) will be spread throughout the reclamation site to a minimum depth of 10 inches. Following the distribution of topsoil, soil sampling and analyses will be conducted by a qualified soil scientist to determine the current health of the topsoil by examining chemical and physical attributes. Poor soil conditions may include one or more of the following: low nutrient/organic matter content, high pH values, high sodium absorption ratio (SAR), and high electrical conductivity (EC).

### 3.2 *Soil Amendments and Fertilizers*

Determination of soil amendments and fertilizers and their respective amounts are based on the soil analyses results. Various types of soil amendments and fertilizers that may be utilized include, but are not limited to, compost, biosolids, the fertilizer Biosol, elemental sulfur, mycorrhizae, and inorganic fertilizers.

Compost, biosolids, and Biosol all provide macronutrients to aid in plant growth of the incoming seed and organic matter which helps with soil aggregation. Elemental sulfur can be used to reduce soil pH and mycorrhizae can aid in plant health and resilience.

Inorganic fertilizers including, but not limited to, nitrogen, phosphorous, and potassium will be determined by the results of the soil analyses and will be applied to the soil following or concurrent with seeding operations.

### 3.3 *Interim Reclamation Plan*

- 1) Removal of equipment associated with the drilling phase
  - Removal of debris and waste material from site.

- Removal of all E+P waste and shall be handled according to the series 900 rule.
- Removal of equipment associated with drilling phase.
- Cellars, rat holes, and other boreholes unnecessary for further lease operations should be backfilled.
- Recycled asphalt/road base outside of the permanent operational facilities and access will be excavated and hauled from the Site. Road base materials can limit water holding capacity and are often void of essential nutrients that allow for successful revegetation.
- Topsoil will be used to fill any voids left from the removal of recycled asphalt/road base and brought to grade.
- Where needed, disturbed areas will be graded and contoured to pre-disturbance contours, not to exceed 3:1 side slopes, to allow for stability and provide a suitable seedbed.

## 2) Backfilling

- All pits or holes not needed for future operations shall be backfilled as soon as possible.

## 3) Soil Placement

- Soil shall be replaced where necessary in layers; the subsoil shall be placed first, and compacted to the standards described in the Shelton CPR-25 Pad Geotechnical Report. The topsoil layer will then be placed to bring the surface to the Interim Reclamation grade. Topsoil shall also be compacted in accordance with the Shelton CPR-25 Pad Geotechnical Report.

## 4) Drilling Pit Closure

- Remove and dispose of all bentonitic drilling fluids in accordance with the COGCC 900 series rules.
- Ensure that drilling pit will not create an impermeable barrier.
- Backfill pit with 3 feet of backfill.

## 5) Seedbed Preparation

Any imported topsoil not used from the topsoil stockpile is required to have accompanying analytical reports. The fertilizers, other amendment quantities, and application rates applied to seeding area will be typical for grass and forb reclamation. It is expected that amendments and amendment quantities will be specified by the subcontractor for any topsoil that is imported.

This plan is based in part on Colorado Oil and Gas Conservation Commission (COGCC) 1003 Series Regulations, as applicable, for seedbed preparation with the following revised considerations:

- Interim reclamation area will be cross-ripped at 90° to a depth of 18 inches to alleviate soil compaction during construction activities. Cross-ripping should be oriented 45° to topographic contours. Cross-ripping shall only occur when soil moisture is below 35% of field capacity.
- Disc the interim reclamation area to blend topsoil and to create a uniform seedbed for the incoming seed mix and amendments.

## 6) Seeding Amendment and Revegetation

- If areas of interim reclamation will be reincorporated into the surrounding agricultural field, all segregated soil horizons removed from croplands shall be replaced to their original relative positions and contour and shall be tilled adequately to re-establish a proper seedbed. Straw crimping will be incorporated to help control erosion

and dust until crops are planted.

- If areas of interim reclamation will not be reincorporated into the surrounding agricultural field, the seed mix specified by Weld County will be utilized for reseeding. The reseeded areas will also need to be monitored for revegetation success (see Monitoring and Weed Control below).
- Following, or concurrent with, amendment application, drill-seed interim reclamation area with the seed mix specified by Weld County in Table 3.
- Drill-seeding the remaining topsoil stockpile. If drill-seeding is not feasible, broadcast seeding may be implemented.
- Crimp interim reclamation area with two tons/acre certified weed-free straw after seeding.

No fencing will be required to ensure the interim reclaim does not get overgrazed as it will not be used for grazing.

7) Monitoring and Weed Control

Interim reclamation areas shall be free of all undesirable plant species designated to be noxious weeds, as practicable, and weed control shall be conducted in compliance with the Colorado Noxious Weed Act (C.R.S. §35-5.5-115). Additional reseeding shall be necessary if vegetation requirements are not successful.

In the spring and summer, the interim reclamation area will be monitored for revegetation success, weed growth, and presence of noxious weeds until revegetation and site stability is successful.

A local weed control company may be contracted for the removal of any weed infestations that cannot be controlled by mowing.

8) Reclamation Success

Interim reclamation success will be measured based on COGCC 1000 series rules and the City requirements. All ground surface shall be stabilized in a way to prevent erosion and a uniform plant cover will be established to reflect the pre-disturbance area with a total percent plant cover of at least 80% of pre-disturbance levels. If revegetation success is not accomplished within one or two growing seasons, the soil will be amended as necessary and re-seeding will be completed.

Common Name	Scientific Name	# PLS/acre	PLS/sq ft	% of Mix
Dahurian Wildrye, James	<i>Elymus dahuricus</i>	5.4	10.0	25%
Perennial Ryegrass	<i>Lolium perenne</i>	1.5	8.0	20%
Orchardgrass	<i>Dactylis glomerata</i>	0.40	6.0	15%
Smooth Brome	<i>Bromus inermis</i>	1.8	6.0	15%
Russian Wildrye	<i>Psathyrostachys juncea</i>	2.3	6.0	15%
Intermediate Wheatgrass	<i>Thinopyrum intermedia</i>	2.0	4.0	10%
<b>Total</b>	--	<b>13.5</b>	<b>40.0</b>	<b>100%</b>

## 4.0 FINAL RECLAMATION

Final reclamation includes plugging and abandoning wells and the backfilling of all pits. Within three months of the well plug and abandonment, removal of all debris and surface equipment and abandoned gathering and flow line risers will be completed. Access roads will be closed, graded, and re-contoured, in addition to the removal of any culverts and/or other obstructions that were installed. Following the request for facility closure, a pending remediation site investigation will be conducted. All reclamation work will be completed within three months on cropland or twelve months on non-cropland following the plug and abandon. An extension for final reclamation may be granted if unusual circumstances are encountered and every reasonable effort has been made to complete reclamation before the start of the next growing season (COGCC 2009).

Final reclamation will be considered complete when all disturbed areas have been built on, compacted, covered, paved, or otherwise stabilized to the extent practicable. Areas of final reclamation will be reincorporated into the surrounding agricultural field. Any soil sampling and fertilizer amendments will be based on guidelines from under sections 3.1 and 3.2 of the Interim Reclamation plan, above.

If the Site will not return to cropland and will be reseeded with the seed mix specified in Table 1 or a mixture specified by Weld County, Crestone Peak Resources will utilize a temporary above-ground irrigation system to promote seed germination, including during periods of dry and drought conditions. A temporary fresh water tank will be located within the pad and utilized for the temporary irrigation system until germination and seed growth is established. Crestone Peak Resources will use a professional landscape maintenance company to maintain the site. The total plant cover of the disturbed areas should be at least 80% of a prescribed target cover, and noxious weeds should be absent (COGCC 2009).

Pipelines, gathering lines and flowlines shall be removed after one year of non-use when last well utilizing lines are plugged and abandoned unless this requirement is waived in writing by Weld County.

Temporary access roads associated with oil and gas operations at the Well Sites shall be reclaimed and revegetated to the original state within a reasonable amount of time, taking into account planting seasons, or as directed by the landowner in a Surface Use Agreement and subject to applicable COGCC variances. Operator must control erosion while access roads are in use.

### 4.1 Final Reclamation Plan

#### 1) Removal of Recycled Asphalt/Road Base from Remaining Pad Area

- Remaining recycled asphalt/road base will be excavated and hauled from the Site.
- Remaining topsoil from the stockpile(s) will be used to fill any voids left from the removal of recycled asphalt/road base and brought to grade.
- The final reclamation area will be graded and contoured to pre-disturbance contours, not to exceed slopes of 3:1, to allow for stability and provide a suitable seedbed.

#### 2) Seedbed Preparation

Any imported topsoil not used from the topsoil stockpile are required to have accompanying analytical reports, when applicable. The fertilizers, other amendment quantities, and application rates applied to seeding area will be typical for grass and forb reclamation. It is expected that amendments and amendment quantities will be specified by the subcontractor for any topsoil that will be imported.

This Plan is based in part on COGCC 1003 Series Regulations, as applicable, for seedbed preparation with the following revised considerations:

- Cross-rip at 90° to a depth of 18 inches to alleviate soil compaction during construction activities. Cross-

ripping should be oriented 45° to topographic contours.

- Disc to blend topsoil and to create a uniform seedbed for the incoming seed mix and amendments.

### 3) Seeding and Amendments

If areas of final reclamation will be reincorporated into the surrounding agricultural field, reseeding will not be needed, and straw crimping will be incorporated to help control erosion and dust until crops are planted.

If areas of final reclamation will not be reincorporated into the surrounding agricultural field, the seed mix specified in Table 1 or a mixture specified by Weld County will be utilized for reseeding. The reseeded areas will also need to be monitored for revegetation success (see Monitoring and Weed Control below).

- Following, or concurrent with amendment application, drill-seed with the seed mix specified in Table 1 or mixture specified by Weld County.
- Crimp with two tons/acre certified weed-free straw after seeding.

### 4) Monitoring and Weed Control

Final reclamation areas shall be free of all undesirable plant species designated to be noxious weeds as practicable and weed control shall be conducted in compliance with the Colorado Noxious Weed Act (C.R.S. §35-5.5-115). Additional reseeding shall be necessary if vegetation requirements are not successful.

- In the spring and summer, the area will be monitored for revegetation success, weed growth, and presence of noxious weeds until revegetation and site stability is successful.

A local weed control company may be contracted for the removal of any weed infestations that cannot be controlled by mowing.

## 5.0 REFERENCES

- (COGCC) Colorado Oil & Gas Conservation Commission (September 10, 2021). Reclamation Regulations. 1000 Series Rules. Available online at: <https://cogcc.state.co.us/documents/reg/Rules/LATEST/1000%20Series%20-%20Reclamation%20Regulations.pdf>. (Accessed March 2022)
- (NRCS) Natural Resources Conservation Service. 2021. Web Soil Survey. Available online at <http://websoilsurvey.nrcs.usda.gov/>. (Accessed January 2022)
- Topsoil Salvage Plan – SHELTON CPR-25 PAD, Weld County, Colorado.* Duraroot, LLC. November 24<sup>th</sup>, 2021.

## 6.0 PHOTOS



**Photo 1.** Edge of proposed pad looking west.



**Photo 2.** Edge of proposed pad looking north.



**Photo 3.** Edge of proposed pad looking south.



**Photo 3.** Edge of proposed pad looking east.

## **7.0 INTERIM RECLAMATION COMPLETION NOTICE, FORM 4**



DE	ET	OE	ES

SUNDRY NOTICE

Submit original plus one copy. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full on Technical Information Page (Page 2 of this form.) Identify well or other facility by API Number or by OGCC Facility ID. Operator shall send an informational copy of all sundry notices for wells located in High Density Areas to the Local Government Designee (Rule 603b.)

1. OGCC Operator Number: _____	4. Contact Name _____	Complete the Attachment Checklist  OP OGCC
2. Name of Operator: _____	Phone: _____	
3. Address: _____ City: _____ State: _____ Zip: _____	Fax: _____	
5. API Number 05- _____	OGCC Facility ID Number _____	Survey Plat
6. Well/Facility Name: _____	7. Well/Facility Number _____	Directional Survey
8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): _____		Surface Eqpmt Diagram
9. County: _____	10. Field Name: _____	Technical Info Page
11. Federal, Indian or State Lease Number: _____		Other

General Notice

<input type="checkbox"/> CHANGE OF LOCATION: Attach New Survey Plat (a change of surface qtr/qtr is substantive and requires a new permit)			
Change of <b>Surface</b> Footage from Exterior Section Lines:	<input type="checkbox"/>	FNL/FSL <input type="checkbox"/>	FEL/FWL <input type="checkbox"/>
Change of <b>Surface</b> Footage to Exterior Section Lines:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Change of <b>Bottomhole</b> Footage from Exterior Section Lines:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Change of <b>Bottomhole</b> Footage to Exterior Section Lines:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> attach directional survey
Bottomhole location Qtr/Qtr, Sec, Twp, Rng, Mer _____			
Latitude _____	Distance to nearest property line _____	Distance to nearest bldg, public rd, utility or RR _____	
Longitude _____	Distance to nearest lease line _____	Is location in a High Density Area (rule 603b)? Yes/No <input type="checkbox"/>	
Ground Elevation _____	Distance to nearest well same formation _____	Surface owner consultation date: _____	
GPS DATA: Date of Measurement _____ PDOP Reading _____ Instrument Operator's Name _____			
<input type="checkbox"/> CHANGE SPACING UNIT Formation _____ Formation Code _____ Spacing order number _____ Unit Acreage _____ Unit configuration _____			<input type="checkbox"/> Remove from surface bond Signed surface use agreement attached
<input type="checkbox"/> CHANGE OF OPERATOR (prior to drilling): Effective Date: _____ Plugging Bond: <input type="checkbox"/> Blanket <input type="checkbox"/> Individual		<input type="checkbox"/> CHANGE WELL NAME NUMBER From: _____ To: _____ Effective Date: _____	
<input type="checkbox"/> ABANDONED LOCATION: Was location ever built? <input type="checkbox"/> Yes <input type="checkbox"/> No Is site ready for inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No Date Ready for Inspection: _____		<input type="checkbox"/> NOTICE OF CONTINUED SHUT IN STATUS Date well shut in or temporarily abandoned: _____ Has Production Equipment been removed from site? <input type="checkbox"/> Yes <input type="checkbox"/> No MIT required if shut in longer than two years. Date of last MIT _____	
<input type="checkbox"/> SPUD DATE: _____		<input type="checkbox"/> REQUEST FOR CONFIDENTIAL STATUS (6 mos from date casing set)	
<input type="checkbox"/> SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK *submit cbl and cement job summaries			
Method used	Cementing tool setting/perf depth	Cement volume	Cement top Cement bottom Date
_____	_____	_____	_____
<input type="checkbox"/> RECLAMATION: Attach technical page describing final reclamation procedures per Rule 1004. Final reclamation will commence on approximately _____ <input type="checkbox"/> Final reclamation is completed and site is ready for inspection.			

Technical Engineering/Environmental Notice

<input type="checkbox"/> Notice of Intent Approximate Start Date: _____	<input type="checkbox"/> Report of Work Done Date Work Completed: _____	
Details of work must be described in full on Technical Information Page (Page 2 must be submitted.)		
<input type="checkbox"/> Intent to Recomplete (submit form 2)	<input type="checkbox"/> Request to Vent or Flare	<input type="checkbox"/> E&P Waste Disposal
<input type="checkbox"/> Change Drilling Plans	<input type="checkbox"/> Repair Well	<input type="checkbox"/> Beneficial Reuse of E&P Waste
<input type="checkbox"/> Gross Interval Changed?	<input type="checkbox"/> Rule 502 variance requested	<input type="checkbox"/> Status Update/Change of Remediation Plans
<input type="checkbox"/> Casing/Cementing Program Change	<input type="checkbox"/> Other: _____	for Spills and Releases

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.

Signed: \_\_\_\_\_ Date: \_\_\_\_\_ Email: \_\_\_\_\_  
Print Name: \_\_\_\_\_ Title: \_\_\_\_\_

COGCC Approved: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

## **8.0 SITE-SPECIFIC INTERIM RECLAMATION BMPs**

## APPENDIX A

Interim Reclamation Phase including: backfilling and grading, topsoil replacement, re-seeding, monitoring.

<b><i>BMP Description: Earth Dikes and Drainage Swales – Interim Reclamation</i></b>	
<b><i>Intended Use/Purpose:</i></b>	Temporary storm conveyance channels used to divert runoff around slopes or to convey runoff to additional sediment control BMPs prior to discharge from the site.
<b><i>Appropriate Installation Timing:</i></b>	Prior to the Construction Phase and surface disturbance activities
<b><i>Appropriate Removal Timing:</i></b>	Final Reclamation
<b><i>BMP Maintenance</i></b>	<p>Earth dikes and drainage swales shall be installed per the earth dikes and drainage swales detail EC-10.</p> <p>The Permittee shall continuously inspect and maintain all earth dikes and drainage swales for stability, compaction and signs of erosion and repair. Inspect side slopes for erosion and damage to erosion control fabric. Stabilize slopes and repair fabric as necessary. Accumulated sediment shall be removed when the sediment has accumulated to one-half of the depth of the earth dike or drainage swales.</p>

***BMP Description: Secondary Containment – Interim Reclamation***

<b><i>Intended Use/Purpose:</i></b>	Generally sized, or sized in accordance with the spill prevention, control, and countermeasure (SPCC) plan. Intended to contain and prevent any potential spills and mitigate contact with stormwater runoff.
<b><i>Location(s)</i></b>	Around all SPCC regulated tanks / containers / vessels
<b><i>Appropriate Installation Timing:</i></b>	Interim Reclamation Phase
<b><i>Appropriate Removal Timing:</i></b>	P&A/Final Reclamation

***BMP Description: Mulching – Interim Reclamation***

<b><i>Intended Use/Purpose:</i></b>	Mulching consists of evenly applying straw, hay, shredded wood mulch, bark or compost to disturbed soils and securing the mulch be crimping, tackifiers or netting.
<b><i>Appropriate Installation Timing:</i></b>	When further work is not expected for long durations, temporary and permanent stabilization BMP's will be utilized.
<b><i>Appropriate Removal Timing:</i></b>	N/A
<b><i>BMP Maintenance</i></b>	Mulching shall be installed per the mulching detail EC-4. After mulching, the bare ground surface shall not be more than 10% exposed. Reapply mulch, as needed, to cover bare areas.

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***BMP Description: Surface Roughing – Interim Reclamation***

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<b><i>Intended Use/Purpose:</i></b>	Tracking, scarifying, imprinting or tilling a disturbed area to provide temporary stabilization. Variations in the soil are created to help minimize wind and water erosion.
<b><i>Appropriate Installation Timing:</i></b>	During the construction of all land-disturbing activities and if necessary until final stabilization efforts.
<b><i>Appropriate Removal Timing:</i></b>	Final Stabilization
<b><i>BMP Maintenance</i></b>	<p>Surface roughening shall be installed per the surface roughening detail EC-1.</p> <p>Surface roughening shall always be perpendicular to the slope. The Permittee shall continuously inspect and maintain all surfaces that are roughened throughout construction. Surface roughening shall be inspected for erosion as it is only a temporary control.</p> <p>Vehicles and equipment shall not be driven over areas that have been surface roughening. Additional activities may be needed to maintain the roughening on the soil surface.</p>

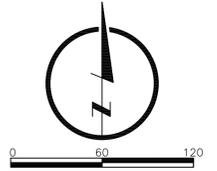
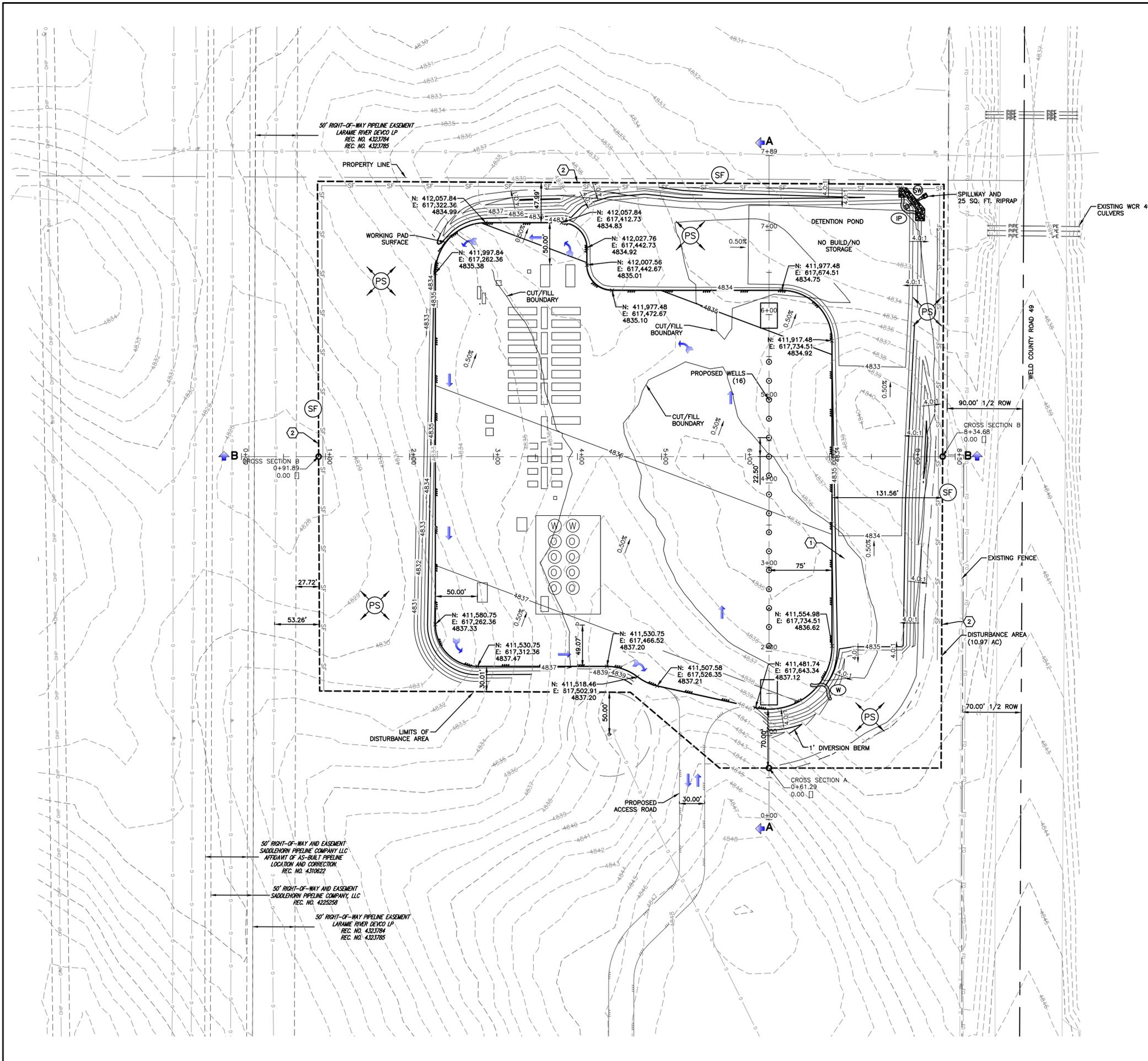
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***BMP Description: Temporary and Permanent Seeding – Interim Reclamation***

<p><b><i>Intended Use/Purpose:</i></b></p>	<p>Seed is applied to disturbed areas in an effort to establish vegetation. Temporary seeding is used to stabilize disturbed areas that will be inactive for an extended period.</p> <p>Permanent seeding is used to stabilize areas at final grade that will not be otherwise stabilized. Effective seeding includes preparation of a seedbed, selection of an appropriate seed mixture, proper planting techniques, and protection of the seeded area with mulch, geotextile, or other appropriate measures.</p> <p>Mulching helps to protect the bare soil and must be secured by crimping, tackifiers, netting or other measures.</p>
<p><b><i>Appropriate Installation Timing:</i></b></p>	<p>When further work is not expected for long durations, temporary and permanent stabilization BMP's will be utilized.</p>
<p><b><i>Appropriate Removal Timing:</i></b></p>	<p>N/A</p>
<p><b><i>BMP Maintenance</i></b></p>	<p>Permanent seeding and secured mulching shall be installed per the temporary and permanent seeding specifications and detail.</p> <p>The Permittee shall continuously inspect and maintain all temporary and permanent seeding and secured mulch throughout construction. Prepare the seedbed, select an appropriate seed mixture, use proper planting techniques and protect the seeded area with secured mulch.</p>

<b><i>BMP Description: Vehicle Tracking Controls – Interim Reclamation</i></b>	
<b><i>Location(s):</i></b>	Designated location entrance(s). May be constructed of rock, a proprietary portable tracking pad, or cattle guards.
<b><i>Intended Use/Purpose:</i></b>	A stabilized site access point that helps remove sediment from vehicle tires and reduces tracking of the sediment onto paved surfaces.
<b><i>Appropriate Installation Timing:</i></b>	Pre-construction Phase
<b><i>Appropriate Removal Timing:</i></b>	Interim Reclamation Phase
<b><i>BMP Maintenance</i></b>	<p>Vehicle tracking control shall be installed per the vehicle tracking control detail SM-4.</p> <p>All vehicle tracking control BMPs must have non-woven geotextile fabric between soil and rock. Recycled concrete aggregate is not allowed.</p> <p>The Permittee shall continuously inspect and maintain all vehicles tracking control BMPs throughout construction. If the area becomes clogged with sediment, remove and dispose of excess sediment or replace material with a fresh layer of aggregate. Any sediment that is tracked onto adjacent roadways shall be cleaned with brooms, shovels (no water washing), or mechanically cleaned with a pick-up broom.</p>

L:\Engineering\2021\04\_000 - Shelton\DRAWINGS\CONSTRUCTION DRAWINGS\0221036-FCP-INTERIM REC.dwg, 3/11/2022 2:38:33 PM, ADAM MCNEEL, LAMP PRRISON



**LEGEND**

- EXISTING ROAD
- EDGE OF GRAVEL
- EXISTING FENCE LINE
- LIMITS OF DISTURBANCE
- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- TRAFFIC FLOW
- TOPSOIL STOCKPILE
- CONCRETE WASHOUT AREA
- SILT FENCE
- SPILLWAY RIPRAP
- WATTLE
- INLET PROTECTION
- TEMPORARY SEEDING
- PERMANENT SEEDING

**NOTES:**

1. MAINTAIN EXISTING GRADES NOT WITHIN RECLAIMED AREA LIMITS UNLESS OTHERWISE NOTED.
2. DAYLIGHT FROM LIMITS OF PAD TO LIMITS OF DISTURBANCE.

**KEY NOTES**

- ① POND ACCESS
- ② LIMITS OF DISTURBANCE DURING CONSTRUCTION OR OGOA

ACREAGE BREAKDOWN	
ACREAGE	DESCRIPTION
10.97 AC	DISTURBED AREA DURING CONSTRUCTION
5.32 AC	LOCATION AFTER INTERIM RECLAMATION
5.65 AC	AREA TO BE RECLAIMED

WELLS			
①	SHELTON 25W-25-01	⑨	SHELTON 25W-25-09
②	SHELTON 25W-25-02	⑩	SHELTON 25W-25-10
③	SHELTON 25W-25-03	⑪	SHELTON 25W-25-11
④	SHELTON 25W-25-04	⑫	SHELTON 25W-25-12
⑤	SHELTON 25W-25-05	⑬	SHELTON 25W-25-13
⑥	SHELTON 25W-25-06	⑭	SHELTON 25W-25-14
⑦	SHELTON 25W-25-07	⑮	SHELTON 25W-25-15
⑧	SHELTON 25W-25-08	⑯	SHELTON 25W-25-16

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 LAMPRYNEARSON.COM  
 OMAHA, NEBRASKA  
 14710 W. DODGE RD., STE. 100 (402)496.2498  
 FORT COLLINS, COLORADO  
 4715 INNOVATION DR., STE. 100 (970)226.0342  
 KANSAS CITY, MISSOURI  
 9001 STATE LINE RD., STE. 200 (816)381.0440



PRELIMINARY

NOT FOR CONSTRUCTION  
MAP

INTERIM RECLAMATION AND STORMWATER/EROSION CONTROL

DRAWING 1

SHELTON CPR-25 PAD  
WELD COUNTY, COLORADO



DESIGNER / DRAFTER  
JUP/JHF  
DATE  
03/11/2022  
PROJECT NUMBER  
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SHEET



**CRESTONE PEAK  
RESOURCES**

PRELIMINARY

NOT FOR CONSTRUCTION

MAP

INTERIM RECLAMATION AND STORMWATER/EROSION CONTROL  
DRAWING 2

SHELTON CPR-25 PAD  
WELD COUNTY, COLORADO



Know what's below.  
Call before you dig.

ALL UTILITIES ARE SHOWN  
BASED ON THE INFORMATION  
AVAILABLE TO THE ENGINEER.  
THERE IS NO GUARANTEE ALL  
UTILITIES ARE SHOWN OR THAT  
THE LOCATION, DEPTH, AND  
SIZE OF EACH FACILITY IS  
CORRECT. THE CONTRACTOR IS  
RESPONSIBLE FOR LOCATING  
ALL UTILITIES AND SERVICE  
LINES PRIOR TO CONSTRUCTION.

REVISIONS

DESIGNER / DRAFTER

JJP/JHF

DATE

03/11/2022

PROJECT NUMBER

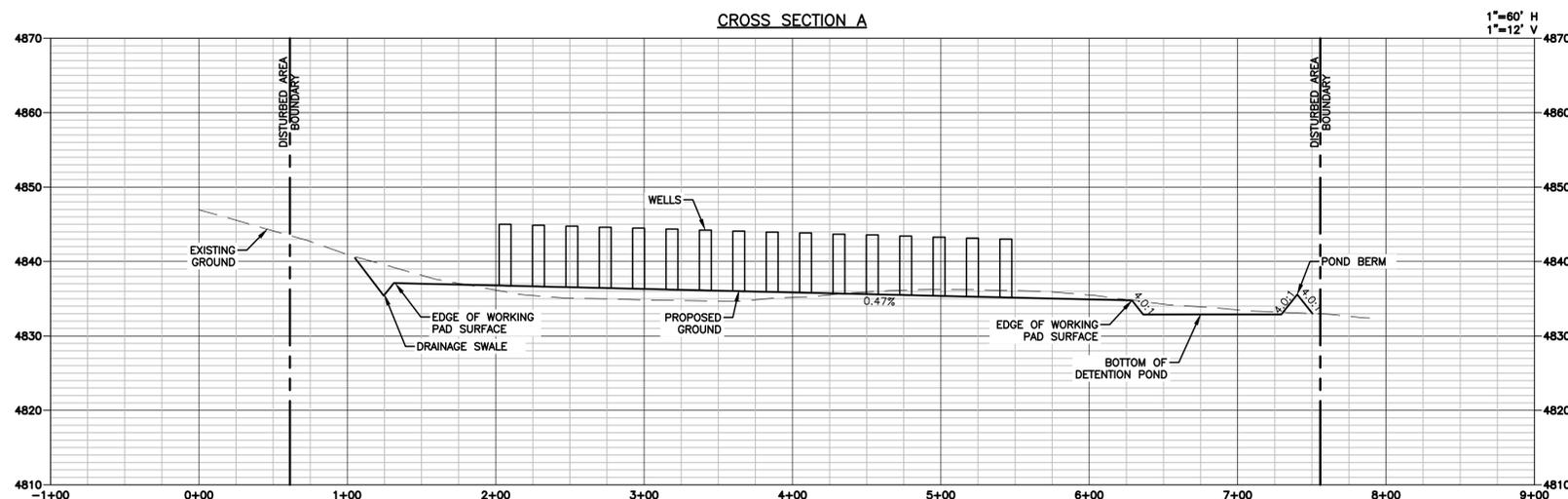
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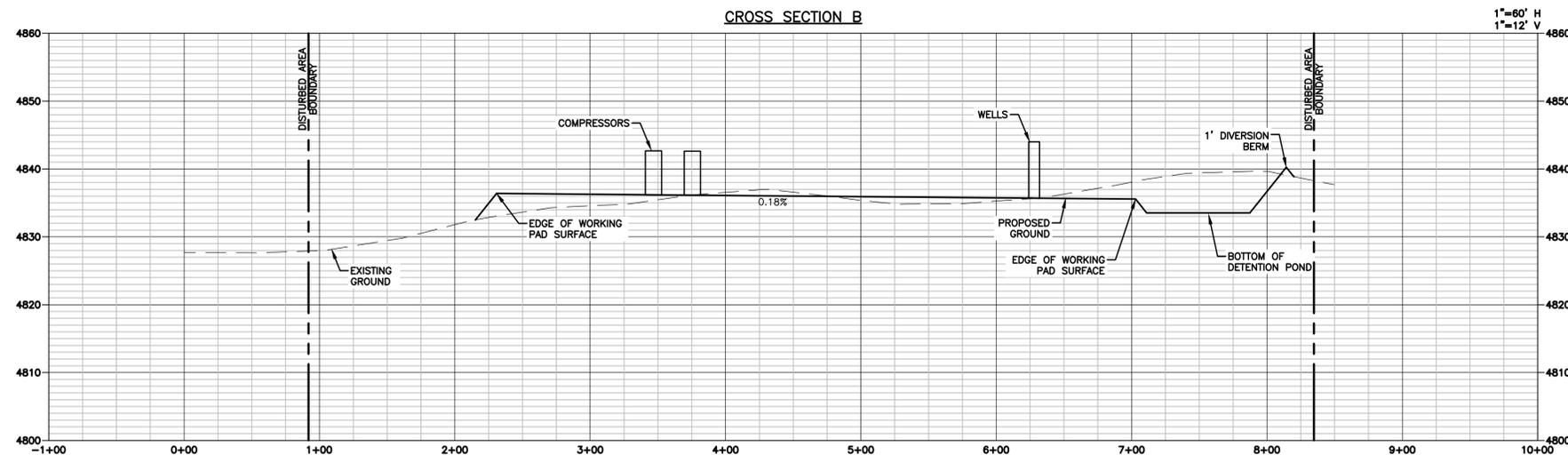
SHEET

7 OF 8

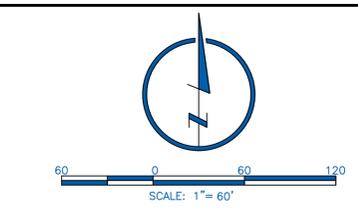
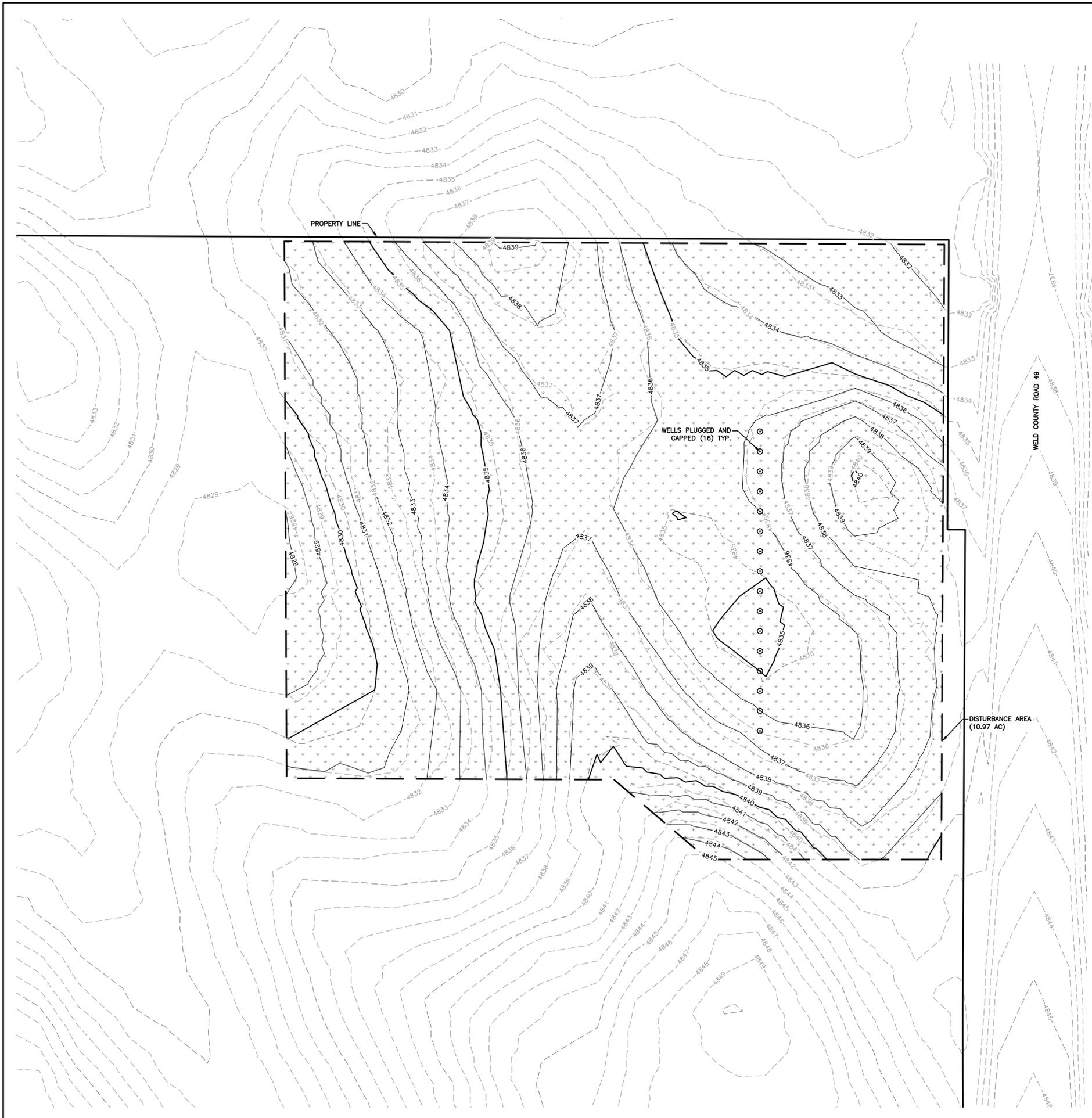
CROSS SECTION A



CROSS SECTION B



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- LEGEND**
- LIMITS OF DISTURBANCE
  - EXISTING CONTOUR LINE
  - PROPOSED CONTOUR LINE
  - FINAL RECLAMATION SEEDING AREA (10.97 AC)

- KEY NOTES**
1. REMAINING RECYCLED ASPHALT/ROAD WILL BE EXCAVATED AND HAULED FROM THE SITE.
  2. REMAINING TOPSOIL FROM THE STOCKPILE(S) WILL BE USED TO FILL ANY VOIDS LEFT FROM THE REMOVAL OF RECYCLED ASPHALT/ROAD AND BROUGHT TO GRADE.
  3. THE FINAL RECLAMATION AREA WILL BE GRADED AND CONTOURED TO PRE-DISTURBANCE CONTOURS, NOT TO EXCEED SLOPES OF 3:1, TO ALLOW FOR STABILITY AND PROVIDE A SUITABLE SEEDBED.

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 KANSAS CITY, MISSOURI  
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**CRESTONE PEAK RESOURCES**



MAP

SHELTON CPR-25 PAD  
FINAL RECLAMATION PLAN

SHELTON CPR-25 PAD  
WELD COUNTY, COLORADO



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