



COLORADO

Division of Reclamation,
Mining and Safety

Department of Natural Resources

MINERALS PROGRAM INSPECTION REPORT

PHONE: (303) 866-3567

The Division of Reclamation, Mining and Safety has conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.

MINE NAME: Velarde Pit	MINE/PROSPECTING ID#: M-2002-118	MINERAL: Sand and gravel	COUNTY: Huerfano
INSPECTION TYPE: Monitoring	WEATHER: Cloudy	INSP. DATE: September 10, 2025	INSP. TIME: 12:53
OPERATOR: Oldcastle SW Group, Inc.	OPERATOR REPRESENTATIVE: Sara Weimer and Kurt Wasinger	TYPE OF OPERATION: 112c - Construction Regular Operation	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$130,100.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
INSPECTOR(S): Amber M. Gibson	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: October 10, 2025

The following inspection topics were identified as having Problems or Possible Violations. OPERATORS SHOULD READ THE FOLLOWING PAGES CAREFULLY IN ORDER TO ASSURE COMPLIANCE WITH THE TERMS OF THE PERMIT AND APPLICABLE RULES AND REGULATIONS. If a Possible Violation is indicated, you will be notified under separate cover as to when the Mined Land Reclamation Board will consider possible enforcement action.

INSPECTION TOPIC: Availability of Records

PROBLEM: The annual report maps have missing/inadequate information. This is a problem for failure to provide all of the information required pursuant to C.R.S. 34-32.5-116 and the Annual Report Form.

CORRECTIVE ACTIONS: The Operator shall submit the 2025 annual report and map with all of the material required by the Annual Report Form by or on the permit's anniversary date.

CORRECTIVE ACTION DUE DATE: 6/09/26

INSPECTION TOPIC: Off-site Damage

POSSIBLE VIOLATION: Land has been affected outside of the approved permit boundary. This is a possible violation at this time pursuant to: 1.) C.R.S. 34-32.5-109(1) for failure to first obtain from the board or office a reclamation permit prior to engaging in a new operation. AND/OR 2.) C.R.S. 34-32.5-116(4)(i) for failure to protect areas outside of the affected land from slides or damages occurring during the mining operation. 2.) C.R.S. 34-32.5-116(4)(i) for failure to protect areas outside of the affected land from slides or damages occurring during the mining operation.

CORRECTIVE ACTIONS: This possible violation will require a hearing before the Mined Land Reclamation Board (MLRB/Board). The schedule and other details for the MLRB hearing will be provided under a separate document to be sent via certified mail to the Operator.

CORRECTIVE ACTION DUE DATE: Tentative MLRB Hearing Dates – December 17 – 18, 2025

INSPECTION TOPIC: General Compliance with the Mine Plan

PROBLEM: The Operator has failed to comply with the approved mine plan, the Operator has disturbed more acres than the maximum allowed disturbance of 30 acres. The current mine plan shall be updated and clarified pursuant to C.R.S. 34-32.5-112 (1)(c)(VI). The Operator must provide sufficient information to describe or identify how the Operator intends to conduct the operation.

CORRECTIVE ACTIONS: The Operator shall submit a Revision, with the revision fee, to update and clarify the current approved mine plan and Exhibit L Reclamation Cost Estimate to reflect existing and proposed activities as dictated by the results of an MLRB hearing by the corrective action date set in the Board's Order.

CORRECTIVE ACTION DUE DATE: Tentative MLRB Hearing Dates – December 17 – 18, 2025

INSPECTION TOPIC: Signs & Markers

PROBLEM: The mine sign displays outdated information. The Operator shall, at the entrance of the mine site post a sign in compliance with Rule 3.1.12(1), which shall be clearly visible from the access road, with a minimum size equaling one hundred and eighty-seven (187) square inches, such as eleven (11) inches in height and seventeen (17) inches in width, with appropriate font size, with the following: the name of the Operator, a statement that a reclamation permit for the operation has been issued by the Colorado Mined Land Reclamation Board; and the permit number.

Also, the majority of the affected area boundary markers are missing or incorrectly placed. This is a problem for failure to maintain boundary markers around the affected area as required by Section 3.1.12(2) of the Rule.

CORRECTIVE ACTIONS: The Operator shall update and/or replace the mine sign to reflect the current Permittee, and conduct a survey and replace the boundary markers in the correct locations. The Operator shall provide proof to the Division that this has been done by the corrective action date.

CORRECTIVE ACTION DUE DATE: 11/30/25

OBSERVATIONS

The Velarde Pit was inspected by Amber Gibson with the Division of Reclamation, Mining and Safety (Division/DRMS). The inspection was completed as part of the Division's routine monitoring inspection program. The site was previously inspected by the Division on October 12, 2021 as part of a Successor of Operators revision. Sara Weimer and Kurt Wasinger (representing the Permittee/Operator – Oldcastle SW Group, Inc.), accompanied me during the inspection. The sky was partly cloudy, and the weather was hot.

The Velarde Pit is located in Huerfano County approximately 13 miles northwest of Walsenburg, Colorado. The current entrance to the pit is located off the southwest side of County Road 613. The site is permitted as a 300-acre 112c Regular Operation Construction Materials Permit, where 149 acres are approved to be affected, and 30 acres are approved to be affected at any-one-time. The primary commodity mined at the site is sand and gravel. The approved post-mining land use is rangeland.

Availability of Records:

The annual fee, map, and report are current and paid through June 9, 2026.

Revision History

- 2005: (SO1) Succession of Operators. DG Huskin Construction Co transferred to APC Southern Construction.
- 2008: (TR1) Removal of acres from Phase 3, and adding acreage to Phase 1.
 - Note* This revision application was denied on the grounds that acres not previously approved to be affected cannot be added through a Technical Revision, nor can affected acreage be removed through a Technical Revision.
- 2014: (SI1): Surety Increase as a result of a routine monitoring inspection discovering that approximately 30 acres had been affected, exceeding the 20-acre maximum disturbance approved at the time.
- 2014: (TR2): Increased the maximum allowed disturbance at any-one-time from 20 to 30 acres.
- 2019: (SI2): Routine Surety Increase following a routine monitoring inspection.
- 2021: (SO2) Succession of Operators. APC Southern Construction transferred to current Permittee – Oldcastle SW Group, Inc.
- 2021: (SI3): Routine Surety Increase, prompted by SO2 to cover reclamation liability at the site.

The Division found that the recent annual report maps were inadequate. **This has been cited as a problem above.**

1. For the 2026 submittal of the annual report map please refer to the Annual Report Form. The Annual Report Form states that as required by the Colorado Land Reclamation Act for the Extraction of Construction Materials (C.R.S. 34-32.5-116), the Permittee shall attach a map to the report that accurately depicts:
 - i. the permit boundary,
 - ii. the current affected area boundary and;
 - iii. the location of the acreages specified in Items no. 8-12 and 15.

Items 8-12 and 15 on the Annual Report Form are listed below.

#8. Number of acres currently affected (mining + incomplete and or unreleased reclamation).

- #9. Number of acres that were newly affected during the current report year.
- #10. Number of acres that were reclaimed during the current report year.
- #11. Estimated new acreage to be affected in the next report year.
- #12. Estimated acres to be reclaimed in the next report year.
- #15. Is adequate topsoil reserved for reclamation, based on your approved permit?

2. Please also include the following features:

- A google earth background image
- A north arrow and scale
- A legend indicating the polygons and/or lines for the features identified in items 8-12 and 15 on the form OR include clear labels for each feature.

General Compliance with the Mine Plan:

The site was not active at the time of the inspection. The last reported date of activity at the site, according to the annual reports, was May 10, 2017. During the inspection, the Operator confirmed that it had been at least a few years since any material had been hauled off-site. Mining had been confined to the northeast corner of the site. Excavation has finished. The slopes around the pit area have been backfilled and graded to a 3H:1V. No equipment was observed onsite at the time of the inspection. One topsoil pile and multiple product stockpiles were observed within the processing area. Mining within the permit boundary appears to have followed the operation plan, except for areas disturbed outside of the permit boundary that were observed during the inspection. This is discussed in further detail in the section below.

Off-site Damage:

Following the inspection, the Division used aerial imagery available in Google Earth Pro in combination with GPS location data from the photos taken during the inspection to estimate that approximately 40.5 acres have been affected, and are currently affected, by mining at the site. As of TR2, the maximum allowed disturbance at the site was increased to 30 acres. Because there are currently approximately 10.5 more acres disturbed than what is approved to be disturbed at any-one-time, **this has been cited as a problem above**. A portion of the affected acres are outside of the permitted area, discussed in further detail below.

- Roads:
The currently approved access/haul road, is located on the west side of the permit boundary. The approved road was planned to improve on a pre-existing ranch road, cross an arroyo, connect Phases 1-3, and exit through the south side of the permit boundary – connecting to County Road 611. This road was never constructed. Instead, a road was constructed on the northeast corner of the site, leading directly to Phase 1. This road is located outside of the permit boundary and has been the only access to the site used throughout the life of the mine.
- 200-foot Landowner buffer area
Per the approved Pre-Mining and Mining Plan maps, there is to be a 200-foot buffer area between the Landowner's boundary, and the affected land boundary. During pre-inspection review, it appeared that there is a discrepancy between the Landowner's fenced boundary and the parcel boundary location depicted on the Huerfano County Assessor website. The parcel boundary appears to closely follow the fence line on the east side of the permitted area, but the north parcel boundary is located further south than the north fence line. Regardless of which boundary correctly depicts the Landowner's boundary, the land within the 200-foot buffer area has been affected by mining (see Figures 1 and 2). The affected

land within the northern buffer area consists of a portion of the processing area and an internal road. The affected land within the eastern buffer area also consists of a portion of the processing area and internal road, as well as part of a stormwater berm, and an area where a portable truck scale was located but has since been removed (see Photos 2, 3, and 12-14.)

- Total off-site disturbance

- If the fence line accurately depicts the Landowner's boundary, the Division estimates that the 200-foot buffer zone and unapproved haul road total about 12 acres of offsite impact.
- If the parcel data from the Huerfano County Assessor accurately depicts the Landowner's boundary, the Division estimates that the 200-foot buffer zone and unapproved haul road total about 14.7 acres of offsite impact.

Because areas have been affected outside of the permit boundary, **this has been cited as a possible violation.** The Division will bring this matter before the Mined Land Reclamation Board (MLRB/Board) for a hearing for consideration of a possible violation pursuant to C.R.S. 34-32.5-116(4)(i) for failure to protect areas outside of the approved affected land from slides or damages. The schedule and other details for the MLRB hearing will be provided under a separate document to be sent via certified mail to the Operator. The results of this hearing will also determine the appropriate revision required to address the additional disturbed area in excess of the 30-acre maximum allowed disturbance.

Hydrologic Balance and Sediment Control:

No standing water was observed onsite at the time of the inspection. Low earthen berms were observed around the affected area acting as storm water controls, as approved in the mining plan. The slopes around what had been the pit area have been backfilled and graded to a 3H:1V. Some erosion rills were observed on the slopes. The Operator shall stabilize the slopes, topsoil, and seed them, pending instruction on how to proceed following the MLRB hearing.

Backfilling, Grading, Topsoil, Revegetation, and Reclamation Success:

The Division's previous two inspections note that topsoil had not yet been replaced on the slopes. During this inspection, the Operator confirmed that the topsoil has not yet been replaced at the site. The entire affected area still requires topsoiling and revegetation, and the processing area will require ripping prior to topsoiling. A large topsoil pile is located on the southside of the disturbed area boundary. Overall, the pile appears stable and vegetated.

Signs and Markers:

A mine sign was posted at the entrance to the site, but lists the previous Permittee. **This has been cited as a problem above.** The Operator shall update and/or replace the sign to reflect the current Permittee. A couple white PVC posts serving as permit boundary markers were observed during the inspection. However, the markers appeared to be incorrectly placed, as they were within 200' of the Landowner's fences. Prior to the inspection, the Division attempted to georeference the approved mining plan map, but had difficulty aligning markers depicted on the map with aerial imagery. Additionally, the map polygon appears to be at least 30 acres larger than what is actually permitted. Due to these discrepancies, **this has been cited as a problem above.** The Operator shall conduct a survey to identify the accurate permit boundary and replace the affected boundary markers in compliance with Rule 3.1.12(2).

Financial Warranty:

The Division currently holds a reclamation bond in the amount of \$130,100 for this site. The Division has updated the estimate for the reclamation liability, reflecting the current site conditions, and found it to be

\$201,517-- a difference of \$71,417 from the bond currently held. The Division's cost estimate is enclosed with this report. The Operator will have 14 days (October 24, 2025), from the issuance of this report to submit any questions on the cost estimate. If no questions are received, the Division may issue a surety increase notice for the difference. The Operator will have 60 days from the date of the notice to submit and obtain acceptance of the increase in financial warranty from the Division in accordance with Rule 4.2.1(2).

Conclusion:

This concludes the Division's Inspection Report; a few maps and figures displaying topics discussed in the report, and a subset of corresponding photographs that were taken during the time of the inspection, are included below. If you need additional information or have any questions, please contact me by email at amber.gibson@state.co.us or by telephone at (720) 836-0967.

Inspection Contact Address

Sara Weimer
Oldcastle SW Group, Inc.
14802 W 44th Ave
Golden, CO 80403

Enclosure: 2025 Reclamation Cost Estimate

CC: Jared Ebert, Senior EPS, DRMS

GENERAL INSPECTION TOPICS

The following list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each

(AR) RECORDS----- <u>PB</u>	(FN) FINANCIAL WARRANTY----- <u>Y</u>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>N</u>
(PW) PROCESSING WASTE/TAILING---- <u>N</u>	(SF) PROCESSING FACILITIES----- <u>N</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>PB</u>	(FW) FISH & WILDLIFE----- <u>N</u>	(RV) REVEGETATION---- <u>N</u>
(SM) SIGNS AND MARKERS----- <u>PB</u>	(SP) STORM WATER MGT PLAN---- <u>N</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(ST) STIPULATIONS----- <u>N</u>
(AT) ACID OR TOXIC MATERIALS----- <u>N</u>	(OD) OFF-SITE DAMAGE----- <u>PV</u>	

Y = Inspected / N = Not inspected / NA = Not applicable to this operation / **PB = Problem cited** / **PV = Possible violation cited**

PHOTOGRAPHS



Photo 1: Mine sign posted at the entrance to the site.



Photo 2: Looking southeast at the internal road running east-west along the north side of the affected area, and at some of the product stockpiles in the processing area.



Photo 3: Looking west at a graveled area along the north portion of the site.



Photo 4: (Left) Looking west at a permit boundary marker placed along the northern fence. The arroyo that runs through the permitted area is seen in the background. (Right) Looking east at a permit boundary marker placed along the northern fence. A stockpile within the processing area can be seen in the background of the right side of the image.



Photo 5: Looking south at the western graded slope within the pit area.



Photo 6: Looking southeast at the east and south graded slopes around the pit area. Some small erosion rills are apparent on the eastern slope.



Photo 7: Looking southeast at the east and south graded slopes around the pit area. Some small erosion rills are apparent on the eastern slope. The arrow points to the topsoil pile in the background.



Photo 8: Looking north at the remaining product stockpiles within the processing area.



Photo 9: Looking south at a small amount of recycled asphalt, overburden, and topsoil pile on the south side of the processing area.



Photo 10: Looking west at the topsoil stockpile (left) and at a product stockpile (right).



Photo 11: Looking west along the stormwater berm that marks the south side of the disturbed area.



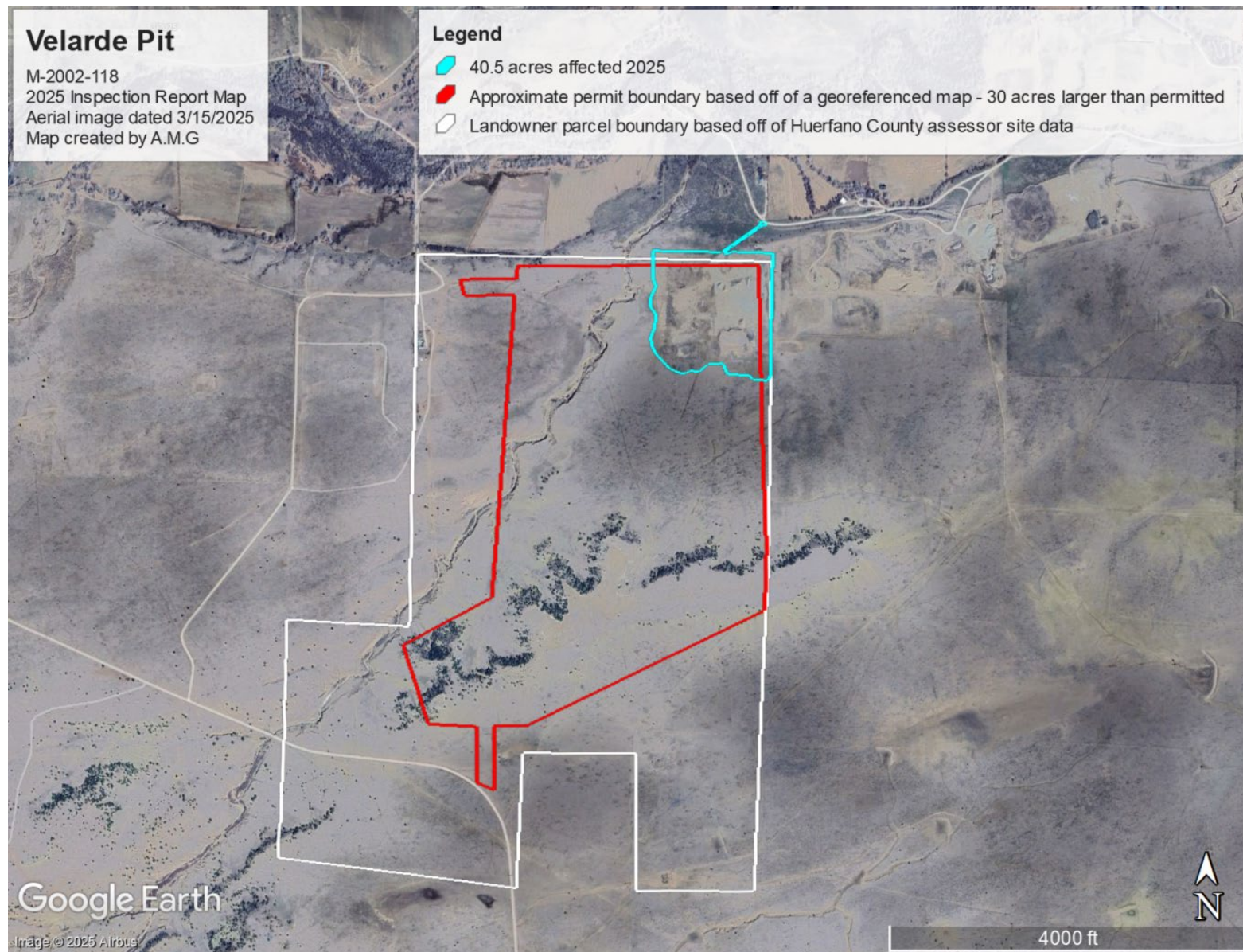
Photo 12: Looking east along the stormwater berm that marks the south side of the disturbed area.



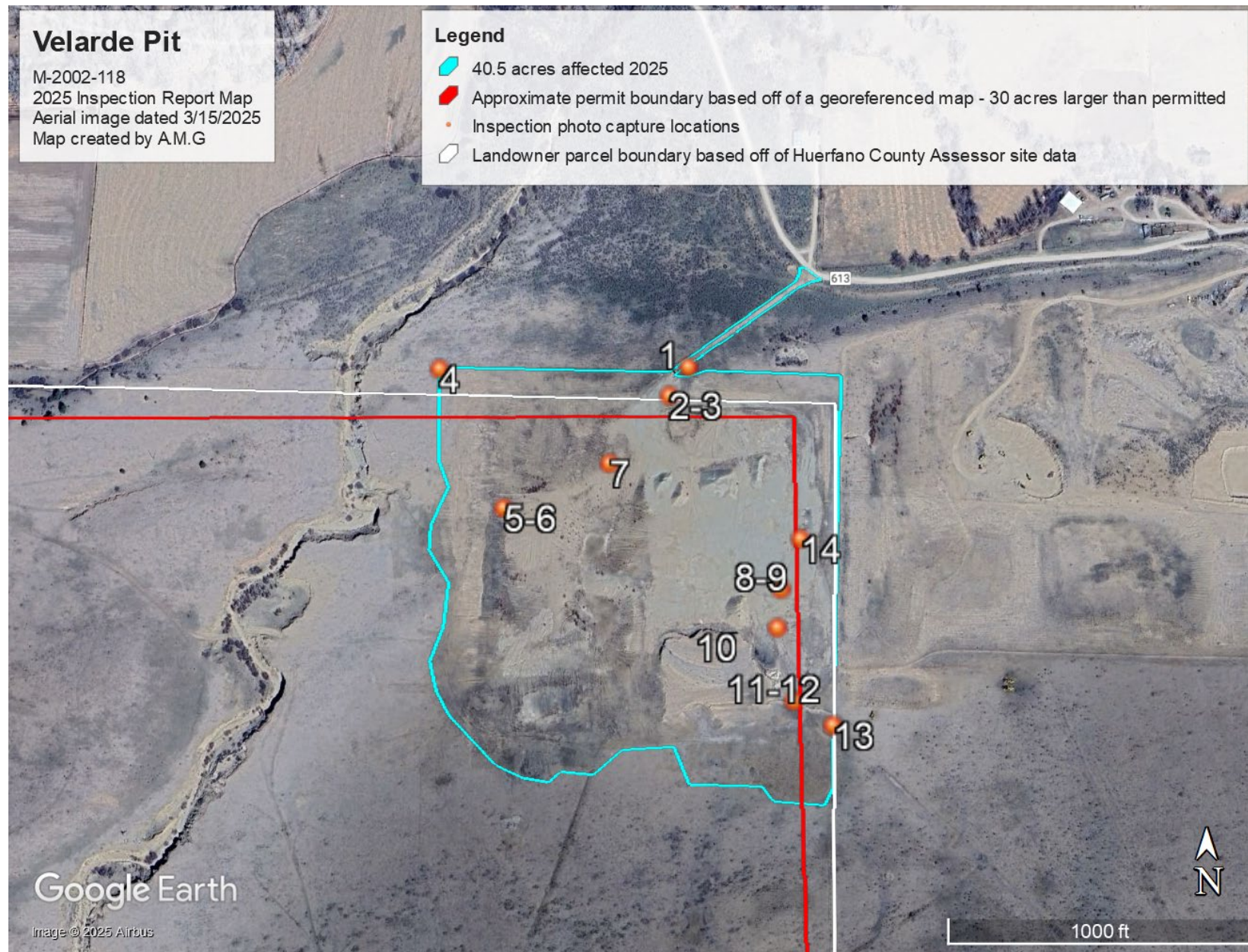
Photo 13: Looking north from the permit boundary marker located along the eastern fence.



Photo 14: Looking at where the portable truck scale had been located on the eastern side of the processing area.



Map 1: 2025 Inspection report map. The permit boundary was approximated from georeferencing the approved mining plan map (see Figure 2 below). However, the shapes depicted on the approved map do not directly correspond with the aerial imagery. Also, the polygon depicted on Map 1 is approximately 30 acres larger than the 300 acres approved for this permit.



Map 2: 2025 Inspection report map, zoomed in on the area that has been affected throughout the life of the mine. The numbers next to the red icons correspond to the inspection photo captions within this report.



Figure 1: The images above depict where land has been affected offsite. (Left) The yellow polygon depicts the estimated 12 acres of offsite disturbance, based on a 200-foot buffer zone where the fence line depicts the Landowner's boundary. (Right) The green polygon depicts the estimated 14.7 acres of offsite disturbance, based on a 200-foot buffer zone where the parcel boundary sourced from the Huerfano County Assessor site depicts the Landowner's boundary.

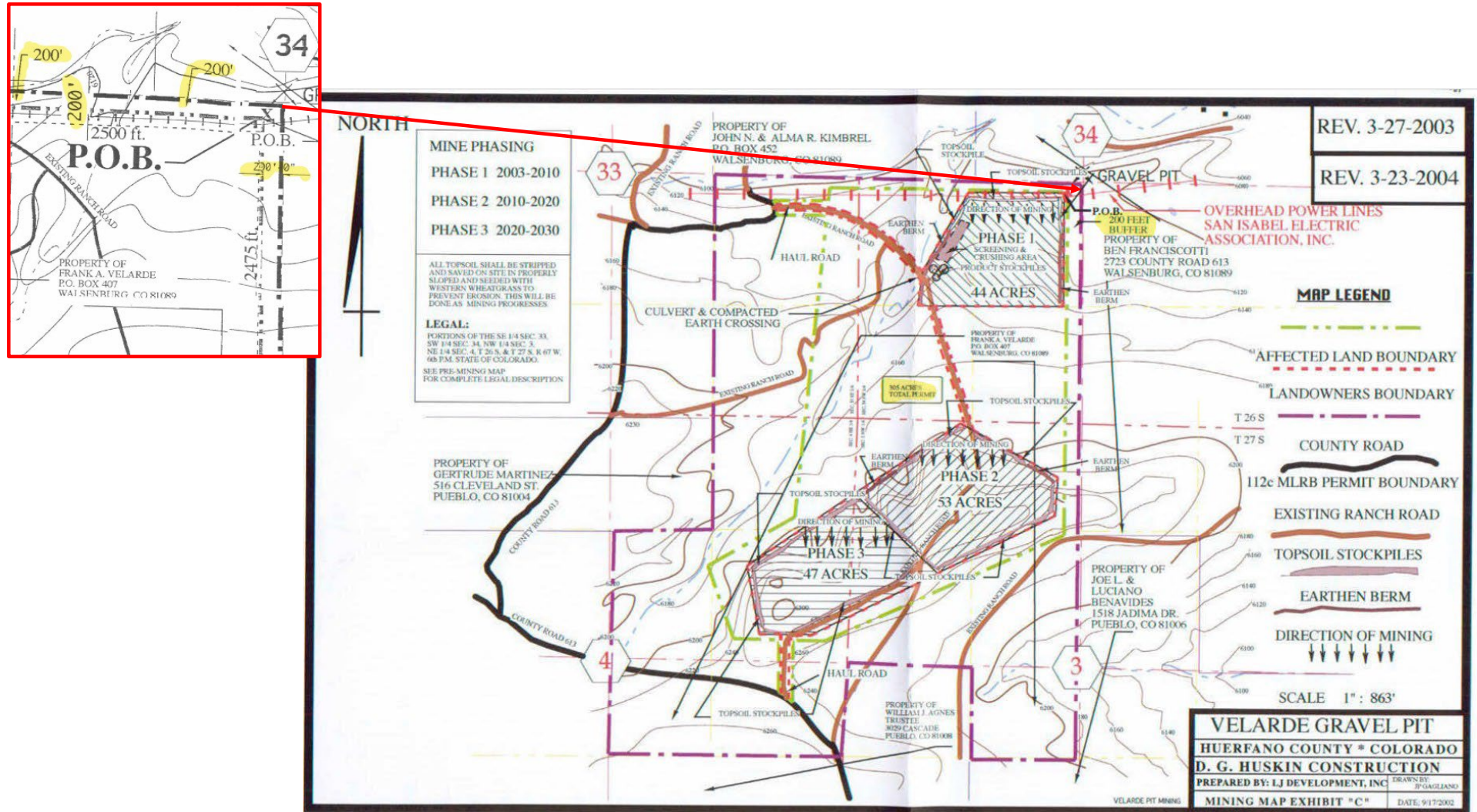


Figure 2: The large image is the approved Mining Plan Map for the Velarde Pit. The small square on the right is from the approved Pre-Mining Plan Map. Both maps depict a 200-foot offset between the Landowner's boundary and the permit boundary/affected land boundary in the northeast portion of the site. Additionally, the approved Mining Plan Map incorrectly depicts the permit boundary as totaling 305 acres.

COST SUMMARY WORK

Task description: 2025 Reclamation Cost Update

Site: Velarde Pit

Permit Action: 2025 Inspection

Permit/Job#: M2002118

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 10/9/2025

County: Huerfano

Filename: M118-000

User: AMG

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Level remaining stockpiles/overburden	SCRAPER1	1	3.96	\$6,510
002	Topsoil 40.5 acres with 0.5 ft	SCRAPER1	1	33.94	\$55,700
003	Rip 5 acres	RIPPER	1	7.98	\$1,847
004	Revegetation of 40.5 acres	REVEGE	1	41.00	\$89,749
005	Mob/Demob	MOBILIZE	1	3.50	\$5,920
<u>SUBTOTALS:</u>				90.38	\$159,726

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$3,226

Performance bond: 1.05

Total = \$1,677

Job superintendent: 45.19

Total = \$3,395

Profit: 10.00

Total = \$15,973

TOTAL O & P = \$24,271

CONTRACT AMOUNT (direct + O & P) = \$183,997

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$500

Total = \$500

Engineering work and/or contract/bid preparation: 4.25

Total = \$7,820

Reclamation management and/or administration: 5.00

\$9,200

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$41,791

TOTAL BOND AMOUNT (direct + indirect) = \$201,517

SCRAPER TEAM WORKTask description: Level remaining stockpiles/overburdenSite: Velarde PitPermit Action: 2025 InspectionPermit/Job#: M2002118**PROJECT IDENTIFICATION**Task #: 001State: ColoradoAbbreviation: NoneDate: 10/9/2025County: HuerfanoFilename: M118-001User: AMGAgency or organization name: DRMS**HOURLY EQUIPMENT**COSTShift basis: 1 per day

Equipment Description	
-Scraper:	Cat 637G
-Dozer:	Cat D7R DS XR Series II
Support Equipment -Load Area:	NA
-Dump Area:	NA
Road Maintenance -Motor Grader:	NA
-Water Truck:	NA

Cost Breakdown:

	Scraper Work Team		Support Equipment		Maintenance Equipment	
	Scraper	Dozer	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	25	NA	NA	NA	NA
Ownership cost/hour:	\$336.56	\$97.39	NA	NA	NA	NA
Operating cost/hour:	\$343.56	\$20.17	NA	NA	NA	NA
%Utilization-ripper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$9.58	NA	NA	NA	NA
Ripper op. cost/hour:	NA	\$0.00	NA	NA	NA	NA
Operator cost/hour:	\$59.78	\$38.02	NA	NA	NA	NA
Unit Subtotals:	\$739.90	\$165.16	NA	NA	NA	NA
Number of Units:	2	1	0	0	0	0
Group Subtotals:	Work:	\$1,644.96	Support:	\$0.00	Maint:	\$0.00

Total work team cost/hour: \$1,644.96**MATERIAL QUANTITIES**Initial volume: 5,553

CCY

Swell factor: 1.125Loose volume: 6,247

LCY

Source of estimated volume: Volume estimate for the five remaining pilesSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION****Scraper Bowl (volume) Basis:**

Material weight: 2,650 lbs/LCY
 Material description: Decomposed rock - 25% Rock, 75% Earth
 Rated Payload: 81,600 pounds
 Payload Capacity: 30.79 LCY

Struck Volume: 24.00 LCY
 Heaped Volume: 34.00 LCY
 Average Volume: 29.00 LCY
 Adjusted Capacity: 29.00 LCY

Cycle Time:Scraper Loading Time: 0.80 MinutesManeuver and Spread Time: 0.60 MinutesJob Condition Correction:

Site Altitude: 6100 feet

	Scraper	Push Dozer	Source
Altitude Adj:	1.000	1.000	(CAT HB)
Job Efficiency:	0.830	0.830	(CAT HB)
Net Correction:	0.830	0.830	

Travel Time:Road Condition: Rutted dirt, little maintenance, no water, 2" tire penetration 5.0Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	200.00	2.00	5.00	7.00	1362	0.22

Haul Time: 0.22 minutesReturn Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	200.00	-2.00	5.00	3.00	2949	0.21

Return Time: 0.21 minutesTotal Scraper team cycle time: 1.83 minutesAdjusted for job conditions: 789.18 LCY/HourSelected Number of Scrapers: 2 Scraper(s)Adjusted single scraper team (unit) hourly production: 1,578.36 LCY/HourAdjusted multiple scraper team (fleet) hourly production: 1,578.36 LCY/HourUnadjusted unit production/hour: 950.82 LCY/Hour

Optimal Number of Scrapers per push dozer: _____

JOB TIME AND COSTFleet size: 1 Team(s)Total job time: 3.96 HoursUnit cost: \$1.042 /LCYTotal job cost: \$6,510

SCRAPER TEAM WORKTask description: Topsoil 40.5 acres with 0.5 ftSite: Velarde PitPermit Action: 2025 InspectionPermit/Job#: M2002118**PROJECT IDENTIFICATION**Task #: 002State: ColoradoAbbreviation: NoneDate: 10/9/2025County: HuerfanoFilename: M118-002User: AMGAgency or organization name: DRMS**HOURLY EQUIPMENT**COSTShift basis: 1 per day

Equipment Description	
-Scraper:	Cat 637G
-Dozer:	Cat D7R DS XR Series II
Support Equipment -Load Area:	NA
-Dump Area:	NA
Road Maintenance -Motor Grader:	NA
-Water Truck:	NA

Cost Breakdown:

Scraper Work Team

Support Equipment

Maintenance Equipment

	Scraper	Dozer	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	20	NA	NA	NA	NA
Ownership cost/hour:	\$336.56	\$97.39	NA	NA	NA	NA
Operating cost/hour:	\$343.56	\$16.14	NA	NA	NA	NA
%Utilization-ripper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$9.58	NA	NA	NA	NA
Ripper op. cost/hour:	NA	\$0.00	NA	NA	NA	NA
Operator cost/hour:	\$59.78	\$38.02	NA	NA	NA	NA
Unit Subtotals:	\$739.90	\$161.12	NA	NA	NA	NA
Number of Units:	2	1	0	0	0	0
Group Subtotals:	Work: \$1,640.92		Support:	\$0.00	Maint:	\$0.00

Total work team cost/hour: \$1,640.92**MATERIAL QUANTITIES**Initial volume: 32,670

CCY

Swell factor: 1.215Loose volume: 39,694

LCY

Source of estimated volume: 40.5 acres x 6 inches - 2025 insp observations and rec planSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Scraper Bowl (volume) Basis:

Material weight: 1,600 lbs/LCY
 Material description: Top Soil
 Rated Payload: 81,600 pounds
 Payload Capacity: 51.00 LCY

Struck Volume: 24.00 LCY
 Heaped Volume: 34.00 LCY
 Average Volume: 29.00 LCY
 Adjusted Capacity: 29.00 LCY

Cycle Time:Scraper Loading Time: 0.80 MinutesManeuver and Spread Time: 0.60 MinutesJob Condition Correction:

Site Altitude: 6100 feet

	Scraper	Push Dozer	Source
Altitude Adj:	1.000	1.000	(CAT HB)
Job Efficiency:	0.830	0.830	(CAT HB)
Net Correction:	0.830	0.830	

Travel Time:Road Condition: Rutted dirt, little maintenance, no water, 2" tire penetration 5.0Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	800.00	2.00	5.00	7.00	1362	0.64

Haul Time: 0.64 minutesReturn Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	800.00	-2.00	5.00	3.00	2949	0.41

Return Time: 0.41 minutesTotal Scraper team cycle time: 2.45 minutesAdjusted for job conditions: 589.47 LCY/HourSelected Number of Scrapers: 2 Scraper(s)Adjusted single scraper team (unit) hourly production: 1,178.94 LCY/HourAdjusted multiple scraper team (fleet) hourly production: 1,178.94 LCY/HourUnadjusted unit production/hour: 710.20 LCY/Hour

Optimal Number of Scrapers per push dozer: _____

JOB TIME AND COSTFleet size: 1 Team(s)Total job time: 33.67 HoursUnit cost: \$1.392 /LCYTotal job cost: \$55,249

BULLDOZER RIPPING WORK

Task description: Rip 5 acres

Site: Velarde Pit Permit Action: 2025 Inspection Permit/Job#: M2002118

PROJECT IDENTIFICATION

Task #: 003 State: Colorado Abbreviation: None
Date: 10/9/2025 County: Huerfano Filename: M118-003
User: AMG

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS XR Series II Horsepower: 240
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$97.39</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$80.69</u>	<u>100</u>
Ripper Ownership Cost/Hour:	<u>\$9.58</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$5.66</u>	<u>100</u>
Operator Cost/Hour:	<u>\$38.02</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$231.34</u>	
Total Fleet Cost/Hour:	<u>\$231.34</u>	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 5.00 acres Rip Depth (ft): 1.50 Volume: 12,100 BCY or CCY

Source of estimated quantity: Exhibit L

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth:	<u>2.45</u>	<u>feet/pass</u>
Average Ripping Width:	<u>6.50</u>	<u>feet/pass</u>
Average Ripping Length:	<u>500.00</u>	<u>feet/pass</u>
Average Dozer Speed:	<u>88.00</u>	<u>feet/minute</u>
Average Maneuver Time:	<u>0.25</u>	<u>minutes/pass</u>
Production per unit area:	<u>0.755</u>	<u>acres/hour</u>

Job Condition Correction Factors

Unadjusted Hourly Unit Production:	<u>0.755</u>	<u>Acres/hr</u>
Site Altitude:	<u>6,100</u>	<u>feet</u>
Altitude Adj:	<u>1.00</u>	<u>(CAT HB)</u>
Job Efficiency:	<u>0.83</u>	<u>(1 shift/day)</u>
Net Correction:	<u>0.83</u>	<u>multiplier</u>

Adjusted Hourly Unit Production:	<u>0.63</u>	<u>Acres/hr</u>
Adjusted Hourly Fleet Production:	<u>0.63</u>	<u>Acres/hr</u>

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: **7.98** Hours

Unit cost: \$369.329 Per acre Total job cost: **\$1,847**

REVEGETATION WORKTask description: Revegetation of 40.5 acresSite: Velarde PitPermit Action: 2025 InspectionPermit/Job#: M2002118**PROJECT IDENTIFICATION**Task #: 004State: ColoradoAbbreviation: NoneDate: 10/9/2025County: HuerfanoFilename: M118-004User: AMGAgency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Ammonium nitrate, 33-0-0	40.00	pound	\$0.66	\$26.29
Triple superphosphate, 0-46-0	40.00	pound	\$0.94	\$37.54
			Total Fertilizer Materials Cost/Acre	\$63.84

Application

Description	Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)	\$46.17
Total Fertilizer Application Cost/Acre	\$46.17

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$114.13
Weed control spraying (MEANS 31 31 16.13 3100)	\$338.80
Total Tilling Cost/Acre	\$452.93

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Hachita	1.00	16.32	\$29.33
Indian Ricegrass - Nespar	1.00	3.24	\$17.63
Sideoats Grama - Vaughn	1.00	3.28	\$25.18
Western Wheatgrass - Arriba	1.00	2.53	\$9.25
Totals Seed Mix	4.00	25.37	\$81.39

Application

Description	Cost /Acre
Drill Seeding (DRMS Survey Cost)	\$242.30
Total Seed Application Cost/Acre	\$242.30

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered	2.00	TON	\$504.56	\$1,009.12
Total Mulch Materials Cost/Acre				\$1,009.12

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$239.35
Total Mulch Application Cost/Acre	\$239.35

JOB TIME AND COST

No. of Acres: 40.5
 Estimated Failure Rate: 25%
 *Selected Replanting Work Items: SEEDING

Cost /Acre: \$2,135.10
 Cost /Acre*: \$323.69

Initial Job Cost: \$86,471.55
 Reseeding Job Cost: \$3,277.36
 Total Job Cost: \$89,749
 Job Hours: 41.00

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Mob/Demob**Site: **Velarde Pit**Permit Action: **2025 Inspection**Permit/Job#: **M2002118****PROJECT IDENTIFICATION**Task #: **005**State: **Colorado**Abbreviation: **None**Date: **10/9/2025**County: **Huerfano**Filename: **M118-005**User: **AMG**Agency or organization name: **DRMS****EQUIPMENT TRANSPORT RIG COST**Shift basis: **1 per day**Cost Data Source: **CRG Data**Truck Tractor Description: **GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED,
400 HP (2ND HALF, 2006)**Truck Trailer Description: **GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT
TRAILER (25T, 50T, AND 100T)****Cost Breakdown:**

Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons
Ownership Cost/Hour:	\$21.47	\$38.32	\$48.96
Operating Cost/Hour:	\$31.47	\$60.11	\$65.86
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52
Helper Cost/Hour:	\$0.00	\$22.25	\$22.25
Total Unit Cost/Hour:	\$75.46	\$143.20	\$159.59

NON ROADABLE EQUIPMENT:

Machine Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Cat D7R DS XR Series II	35.93	\$106.97	\$143.20	1	\$250.17	\$143.20	\$250.00
Cat 637G	57.28	\$336.56	\$159.59	2	\$992.30	\$319.18	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$5.99	\$75.46	2	\$162.90	\$150.92	\$250.00

Subtotals: **\$1,405.37** **\$613.30** **\$750.00****ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 3/4 T.	\$127.20	1	\$127.20	\$127.20

Subtotals: **\$127.20** **\$127.20**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: WALSENBURG
 Total one-way travel distance: 15.00 miles
 Average Travel Speed: 40.00 mph

Total Non-Roadable Mob/Demob Cost * \$5,824.74
 ** two round trips with haul rig:
 Total Roadable Mob/Demob Cost ** \$95.40
 ** one round trip, no haul rig:

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.38	0.38
Return Time (Hours):	0.38	0.38
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.75	0.75

JOB TIME AND COST

Total job time: 3.50 Hours

Total job cost: \$5,920