

**STATE OF
COLORADO**

Girardi - DNR, Chris <chris.girardi@state.co.us>

Ft. Garland Pit M2008085- June 2025 Inspection Report and Cost Estimate

1 message

Girardi - DNR, Chris <chris.girardi@state.co.us>

Tue, Jul 22, 2025 at 3:28 PM

To: Brittney DeHerrera <brittney@asphaltconstructors.com>

Cc: Jared Ebert - DNR <jared.ebert@state.co.us>

Good afternoon,

Attached to this email is a pdf of the Division's Inspection Report for the inspection conducted on June 16, 2025 for the Ft. Garland Pit permit, file no. M-2008-085.

Also attached to this email is an updated Cost Estimate to complete reclamation at the site. Please respond within two weeks of this email if you have any questions regarding the estimate, otherwise a Surety Increase will be issued for the permit.

Please let me know if you have any questions.

Sincerely,

Chris Girardi

Environmental Protection Specialist

**COLORADO**
Division of Reclamation,
Mining and Safety
Department of Natural Resources

P: (720) 793-3041

Physical: 1313 Sherman Street, Room 215, Denver, CO 80203

Mailing: DRMS Room 215, 1001 E 62nd Ave, Denver, CO 80216

chris.girardi@state.co.us | <https://drms.colorado.gov/>

2 attachments**Ft.GarlandPit_M2008085_June2025InspectionReport.pdf**

1599K


**Ft.GarlandPit_M2008085_CostEstimate2025.pdf**

233K



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: Ft. Garland Pit	MINE/PROSPECTING ID#: M-2008-085	MINERAL: Gravel and sand	COUNTY: Costilla
INSPECTION TYPE: Monitoring	WEATHER: Clear	INSP. DATE: June 16, 2025	INSP. TIME: 10:30am
OPERATOR: Asphalt Constructors, Inc.	OPERATOR REPRESENTATIVE: Todd Stockebrand	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$22,424.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
INSPECTOR(S): Chris Girardi	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: July 22, 2025	

GENERAL INSPECTION TOPICS

This list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each. No problems or possible violations were noted during the inspection. The mine operation was found to be in full compliance with Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials and/or for Hard Rock, Metal and Designated Mining Operations. Any person engaged in any mining operation shall notify the office of any failure or imminent failure, as soon as reasonably practicable after such person has knowledge of such condition or of any impoundment, embankment, or slope that poses a reasonable potential for danger to any persons or property or to the environment; or any environmental protection facility designed to contain or control chemicals or waste which are acid or toxic-forming, as identified in the permit.

(AR) RECORDS----- <u>N</u>	(FN) FINANCIAL WARRANTY----- <u>Y</u>	(RD) ROADS----- <u>N</u>
(HB) HYDROLOGIC BALANCE----- <u>N</u>	(BG) BACKFILL & GRADING----- <u>N</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>Y</u>	(FW) FISH & WILDLIFE----- <u>N</u>	(RV) REVEGETATION---- <u>Y</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>N</u>	(RS) RECL PLAN/COMP-- <u>N</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>N</u>	

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

OBSERVATIONS

The Ft. Garland Pit was inspected on June 16, 2025 by Chris Girardi with the Division of Reclamation, Mining, and Safety ("DRMS" or "Division") as part of the DRMS's routine monitoring inspection program. The site was last inspected on October 7, 2016. Todd Stockebrand represented Asphalt Constructor's Inc. (Operator) during the inspection. The weather was sunny and warm.

The Ft. Garland Pit is a 112c sand operation with a permitted area of 23 acres and has remained undisturbed, as the Operator has not begun mining yet. The site is located approximately 1 mile southwest of Fort Garland, CO. The current land use surrounding the site is industrial and the approved post-mining land use is rangeland. A mine entrance sign was observed in accordance with Rule 3.1.12 (see Photo 1).

General Compliance With Mining Plan:

The site is a mostly flat area located within the San Luis Valley along the Sangre De Cristo Mountain Range. The site remains undisturbed with a thick amount of vegetation within the permit area, including Sagebrush, Bottlebrush squirreltail, cacti, Rabbitbrush, Blue grama, Western Wheatgrass, and a minor amount of Cheatgrass (see Photos 2-3). Ute Creek runs along the northwest corner of the site. A concrete ditch approximately four (4) feet in thickness runs along the permit boundary (see Photo 4). According to the Operator, the lack of activity at the mine is due to a lack of demand for material in the area. No problems were observed during the inspection. The mining plan divides the operation into two mining phases. The Phase I area is 13.88 acres and located on the eastern portion of the permit. The Phase II area is 9.42 acres and located in the western portion of the permit, as noted in the Annual Report submittals. The mining plan also indicates that a maximum of five (5) acres can be disturbed at any given time.

The Southway Pit, permit number M-1981-153, is located on a parcel directly east of the permit area. According to the Operator, they are in the process of acquiring the Southway Pit from Southwest Construction Company, Inc. to take over the permit. The Division noted that a Succession of Operators would need to be submitted for the Operator to transfer the Southway Pit permit. The Operator discussed possibly combining both permits into one. To accomplish this, the Operator could submit an Amendment Application to either permit to add the affected area of one of the permitted areas to the other. Once approved, the Operator could request release of the duplicative permit and affected area.

Financial Warranty:

The Division currently holds a reclamation bond in the amount of \$17,790. for this operation. The Division has evaluated the reclamation liability for the site and determined that the reclamation liability is \$22,424. This is an increase of \$4,634 from the bond currently held. The Operator will have 14 days (August 5, 2025), from the issuance of this report to submit any questions regarding the updated cost estimate. If no questions are received, the Division will issue a Surety Increase notice. 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).

This concludes the DRMS' inspection report; a subset of photographs was taken during the time of the inspection are included below. If you need additional information or have any questions, please contact me at the Division of Reclamation, Mining, and Safety, 1313 Sherman Street, Room 215, Denver, CO 80203, by

telephone at 720-793-3041 or by email at chris.girardi@state.co.us.

PHOTOGRAPHS



Photo 1: Mine entrance sign, facing north.



Photo 2: Vegetation along the northern boundary of the permit area, facing northwest.



Photo 3: Native vegetation within the permit area, including Bottlebrush squirreltail and woody vegetation.



Photo 4: View of a concrete ditch along the eastern permit boundary, as well as the Southway Pit in the righthand corner, facing northeast.

Inspection Contact Address

Todd Stockebrand
Asphalt Constructors, Inc.
7040 Hwy 160 W
Alamosa, CO 81101

CC:
Jared Ebert, DRMS

COST SUMMARY WORK

Task description: _____

Site: Ft. Garland Pit

Permit Action: 2025 Bond Update

Permit/Job#: M2008085

PROJECT IDENTIFICATION

Task #: 000
Date: 7/21/2025
User: CMG

State: Colorado
County: Costilla

Abbreviation: None
Filename: M085-002

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Rough grade, slope reduction, 5 acres area	DOZER	1	13.26	\$4,585
002	Topsoil replacement 0.25 feet deep, 5 acres area	DOZER	1	8.30	\$2,887
003	Revegetate 5 acres affected lands	REVEGE	1	5.00	\$5,838
004	Haul reclamation equipment to and from job site	MOBILIZE	1	4.00	\$3,423
<u>SUBTOTALS:</u>				30.56	\$16,733

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02
Performance bond: 1.05
Job superintendent: 15.28
Profit: 10.00

Total = \$338
Total = \$176
Total = \$1,148
Total = \$1,673

TOTAL O & P = \$3,335

CONTRACT AMOUNT (direct + O & P) = \$20,068

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$500
Engineering work and/or contract/bid preparation: 4.25
Reclamation management and/or administration: 5.00

Total = \$500
Total = \$853
\$1,003

CONTINGENCY: 0.00 Total = \$0

TOTAL INDIRECT COST = \$5,691

TOTAL BOND AMOUNT (direct + indirect) = \$22,424

BULLDOZER WORK

Task description: Rough grade, slope reduction, 5 acres area

Site: Ft. Garland Pit Permit Action: 2025 Bond Update Permit/Job#: M2008085

PROJECT IDENTIFICATION

Task #: 001 State: Colorado Abbreviation: None
Date: 7/21/2025 County: Costilla Filename: 000
User: CMG

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D8T - 8SU
Horsepower: 310
Blade Type: Semi-Universal
Attachment: 3-shank ripper
Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$179.60</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$110.45</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$15.28</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$2.29</u>	<u>25</u>
Operator Cost/Hour:	<u>\$38.02</u>	<u>NA</u>

Total unit Cost/Hour: \$345.63
Total Fleet Cost/Hour: **\$345.63**

MATERIAL QUANTITIES

Initial Volume: 8,067
Swell factor: 1.000
Loose volume: **8,067** LCY

Source of estimated volume: (5ac)(43560sf/ac)(1'D) / 27 = 8066.67 cy
Source of estimated swell factor: NA

HOURLY PRODUCTION

Average push distance: 50 feet
Unadjusted hourly production: 1,400.0 LCY/hr

Materials consistency description: Partly consolidated stockpile 1.1

Average push gradient: 0 %
Average site altitude: 7,840 feet

Material weight: 2,900 lbs/LCY

Weight description: Decomposed rock - 50% Rock, 50% Earth

<u>Job Condition Correction Factor</u>	<u>Source</u>	
Operator Skill:	0.750	(AVG.)
Material consistency:	1.100	(CAT HB)
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4344

Adjusted unit
production: 608.16 LCY/hr

Adjusted fleet
production: **608.16** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.568/LCY

Total job time: **13.26** Hours

Total job cost: **\$4,585**

BULLDOZER WORK

Task description: Topsoil replacement 0.25 feet deep, 5 acres area

Site: Ft. Garland Pit Permit Action: 2025 Bond Update Permit/Job#: M2008085

PROJECT IDENTIFICATION

Task #: 002 State: Colorado Abbreviation: None
Date: 7/21/2025 County: Costilla Filename: M085-001a
User: CMG

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D8T - 8SU
Horsepower: 310
Blade Type: Semi-Universal
Attachment: 3-shank ripper
Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$179.60</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$110.45</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$15.28</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$4.57</u>	<u>50</u>
Operator Cost/Hour:	<u>\$38.02</u>	<u>NA</u>

Total unit Cost/Hour: \$347.92
Total Fleet Cost/Hour: **\$347.92**

MATERIAL QUANTITIES

Initial Volume: 2,017
Swell factor: 1.000
Loose volume: **2,017** LCY

Source of estimated volume: (5ac)(43560sf/ac)(0.25'D) / 27 = 2016.67 cy
Source of estimated swell factor: NA

HOURLY PRODUCTION

Average push distance: 200 feet
Unadjusted hourly production: 491.9 LCY/hr

Materials consistency description: Partly consolidated stockpile 1.1

Average push gradient: 0 %
Average site altitude: 7,840 feet

Material weight: 2,550 lbs/LCY

Weight description: Earth - Dry packed

<u>Job Condition</u>	<u>Correction Factor</u>	<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	1.100	(CAT HB)
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4941

Adjusted unit
production: 243.05 LCY/hr

Adjusted fleet
production: **243.05** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$1.431/LCY

Total job time: **8.30** Hours
Total job cost: **\$2,887**

REVEGETATION WORK

Task description: Revegetate 5 acres affected lands

Site: Ft. Garland Pit Permit Action: 2025 Bond Update Permit/Job#: M2008085

PROJECT IDENTIFICATION

Task #: 003 State: Colorado Abbreviation: None
Date: 7/21/2025 County: Costilla Filename: 000
User: CMG

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
			Total Fertilizer Materials Cost/Acre	\$0.00

Application

Description	Cost /Acre
	\$
Total Fertilizer Application Cost/Acre	\$0.00

TILLING

Description	Cost /Acre
Chisel plowing {DMG}	\$109.95
Total Tilling Cost/Acre	\$109.95

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Native	0.50	8.16	\$10.92
Indian Ricegrass - Native	1.00	3.24	\$17.71
Sand Dropseed	0.05	5.97	\$0.67
Bottlebrush Squirreltail	1.00	4.41	\$26.01
Rabbitbrush, Rubber	0.25	3.72	\$21.35
Needle and Thread	1.25	3.30	\$104.22
Western Wheatgrass - Native	3.00	7.58	\$27.66
Sagebrush, Wyoming Big	0.02	1.18	\$1.61
Spike Muhly	0.12	4.41	\$1.39
Winter Fat	1.25	3.19	\$59.80

Totals Seed Mix	8.44	45.15	\$271.34
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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
Herbicide - Curtail @ 4.0 pt/ac	1.00	ACRE	\$38.14	\$38.14
Total Mulch Materials Cost/Acre				\$38.14

Application

Description	Cost /Acre
Weed spray, truck, non-aquatic area, nox. [DMG]	\$249.08
Total Mulch Application Cost/Acre	\$249.08

NURSERY STOCK PLANTING

Common Name	No/ Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre					\$0.00

JOB TIME AND COST

No. of Acres:	5	Cost /Acre:	\$910.81
Estimated Failure Rate:	50%	Cost /Acre*:	\$513.64
*Selected Replanting Work Items:	SEEDING		

Initial Job Cost:	\$4,554.05
Reseeding Job Cost:	\$1,284.10
Total Job Cost:	\$5,838
Job Hours:	5.00

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: Haul reclamation equipment to and from job site

Site: Ft. Garland Pit Permit Action: 2025 Bond Update Permit/Job#: M2008085

PROJECT IDENTIFICATION

Task #: 004 State: Colorado Abbreviation: None
Date: 7/21/2025 County: Costilla Filename: 000
User: CMG

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 D8T - 8SU	53.08	\$194.88	\$159.59	1	\$354.47	\$159.59	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$5.99	\$75.46	2	\$162.90	\$150.92	\$500.00

Subtotals:

\$517.37	\$310.51	\$750.00
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ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Lube Truck, 4x2, 190 HP	\$40.52	1	\$40.52	\$40.52
Light Duty Pickup, 4x2, 1/2 T.	\$20.11	1	\$20.11	\$20.11

Subtotals:

\$60.63	\$60.63
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EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: ALAMOSA
Total one-way travel distance: 30.00 miles

Average Travel Speed: 60.00 mph

Total Non-Roadable Mob/Demob Cost *
‘* two round trips with haul rig: \$3,362.62

Total Roadable Mob/Demob Cost **
** one round trip, no haul rig: \$60.63

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.50	0.50
Return Time (Hours):	0.50	0.50
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	2.00	1.00

JOB TIME AND COST

Total job time: 4.00 Hours

Total job cost: \$3,423