

STATE OF
COLORADO

Gagnon - DNR, Nikie <nikie.gagnon@state.co.us>

M1980183 Pit 29 Reclamation Cost Estimate

1 message

Gagnon - DNR, Nikie <nikie.gagnon@state.co.us>

Mon, Jun 16, 2025 at 1:50 PM

To: Permits <permits@brannan1.com>, Alex Schatz <aschatz@brannan1.com>, Steve Kelton <skelton@brannan1.com>

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

Hello.

Please see the attached reclamation cost estimate for Pit 29 in Adams County, permit no. M1980183. The Division currently holds a financial warranty in the amount of \$592,700.00. The reclamation cost estimate was last calculated in January 2019 for the surety bond reduction (SR2). As part of our ongoing site review, the Division estimates the current reclamation liability to be \$639,940.00 which is \$47,240.00 more than the currently held financial warranty. The Division's reclamation cost estimate is enclosed with this report for the Operator's review.

The Division requests that any questions or concerns regarding the estimated liability level be forwarded to the Division by June 27, 2025. The Division may issue a surety increase revision after June 27, 2025. In accordance with Rule 4.2.1(2), Brannan Sand and Gravel will have sixty (60) days from the date of the notice of surety increase to provide the additional financial warranty.

Let me know if you have any questions.

Kind regards,

--

Nikie Gagnon

Environmental Protection Specialist

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

Cell: 720.527.1640

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

Address for FedEx, UPS, or hand delivery:

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

nikie.gagnon@state.co.us | <https://www.drms.colorado.gov>**Reclamation Cost Estimate Summary_Pit 29_M1980183.pdf**

276K

COST SUMMARY WORK

Task description: Reclamation Cost Estimate

Site: Pit 29 Permit Action: 2025 Review Permit/Job#: M1980183

PROJECT IDENTIFICATION

Task #: 000 State: Colorado Abbreviation: None
Date: 5/19/2025 County: Adams Filename: M183-000
User: NCG

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
002	Earthwork	SITEMAINT ENANCE	1	97.71	\$46,357
003	Weed control, entire site	REVEGE	1	24.00	\$18,634
004	Reseeding Across Site	REVEGE	1	55.00	\$103,238
005	Mobilization/Demobilization	MOBILIZE	1	4.88	\$6,892
NA	Slurry Wall Retainer	NA	1	1.00	\$324,000
<u>SUBTOTALS:</u>				182.59	\$499,121

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$10,082
Performance bond:	1.05	Total =	\$5,241
Job superintendent:	91.29	Total =	\$7,237
Profit:	10.00	Total =	\$49,912
		TOTAL O & P =	\$72,472
		CONTRACT AMOUNT (direct + O & P) =	\$571,593

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	\$500	Total =	\$500
Engineering work and/or contract/bid preparation:	4.25	Total =	\$24,293
Reclamation management and/or administration:	5.00		\$28,580

CONTINGENCY: 3.00 Total = \$14,974

TOTAL INDIRECT COST = \$140,818

TOTAL BOND AMOUNT (direct + indirect) = \$639,939

SITE MAINTENANCE

Task description: Earthwork

Site: Pit 29 Permit Action: 2025 Review Permit/Job#: M1980183

PROJECT IDENTIFICATION

Task #: 002 State: Colorado Abbreviation: None
Date: 5/19/2025 County: Adams Filename: M183-002
User: NCG

Agency or organization name: DRMS

UNIT COSTS

Maintenance Item	Hours per Year	Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Grade Fines in Mining Area III	47.71	Cat D9T - 9SU	95.42	EA	\$485.82	\$46,356.94

Job Hours: 97.71

Total Cost: \$46,356.94

REVEGETATION WORKTask description: Weed control, entire siteSite: Pit 29Permit Action: 2025 ReviewPermit/Job#: M1980183**PROJECT IDENTIFICATION**Task #: 003State: ColoradoAbbreviation: NoneDate: 5/19/2025County: AdamsFilename: M183-003User: NCGAgency 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
Weed control spraying (MEANS 31 31 16.13 3100)	\$338.80
Total Tilling Cost/Acre	\$338.80

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
			\$
Totals Seed Mix	0.00	0.00	\$0.00

Application

Description	Cost /Acre
	\$

Total Seed Application Cost/Acre	\$0.00
-----------------------------------------	---------------

MULCHING and MISCELLANEOUS**Materials**

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

Application

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

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:	55	Cost /Acre:	\$338.80
Estimated Failure Rate:	0%	Cost /Acre*:	\$0.00
*Selected Replanting Work Items:	NONE		

Initial Job Cost:	\$18,634.00
Reseeding Job Cost:	\$0.00
Total Job Cost:	\$18,634
Job Hours:	24.00

REVEGETATION WORKTask description: Reseeding Across SiteSite: Pit 29Permit Action: 2025 ReviewPermit/Job#: M1980183PROJECT IDENTIFICATIONTask #: 004State: ColoradoAbbreviation: NoneDate: 5/19/2025County: AdamsFilename: M183-004User: NCGAgency or organization name: DRMSFERTILIZING**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
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Hachita	1.10	17.95	\$31.51
Switchgrass - Pathfinder	1.00	8.93	\$13.46
Canby Bluegrass - Canbar	0.50	10.63	\$7.50
Prairie Clover, Purple - Kaneb	0.20	1.37	\$8.98
Sideoats Grama - Butte	2.00	6.57	\$48.31
Blanketflower, Perennial	0.25	0.75	\$14.50
Sheep Fescue - Bighorn	0.60	9.37	\$2.98
Coneflower, Prairie	0.20	5.44	\$7.12
Thickspike Wheatgrass - Critana	5.70	20.15	\$46.45
Western Wheatgrass - Arriba	7.90	19.95	\$71.37

Flax, Lewis Blue	0.20	1.33	\$8.46
Gayfeather, Dotted	0.06	0.18	\$19.51
Penstemon, Rocky Mountain	0.20	3.13	\$12.28
Yarrow, White	0.03	1.91	\$2.20
Totals Seed Mix	19.94	107.65	\$294.62

Application

Description	Cost /Acre
Drill Seeding (DRMS Survey Cost)	\$236.64
Total Seed Application Cost/Acre	\$236.64

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Hay, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$492.78	\$985.56
Total Mulch Materials Cost/Acre				\$985.56

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$85.37
Power mulcher (MEANS 32 91 13.16 0350)	\$157.25
Total Mulch Application Cost/Acre	\$242.63

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:	<u>55</u>	Cost /Acre:	<u>\$1,877.06</u>
Estimated Failure Rate:	<u>0%</u>	Cost /Acre*:	<u>\$531.26</u>
*Selected Replanting Work Items:	<u>SEEDING</u>		
Initial Job Cost:	<u>\$103,238.30</u>		
Reseeding Job Cost:	<u>\$0.00</u>		
Total Job Cost:	<u>\$103,238</u>		
Job Hours:	<u>55.00</u>		

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: Mobilization/DemobilizationSite: Pit 29Permit Action: 2025 ReviewPermit/Job#: M1980183**PROJECT IDENTIFICATION**Task #: 005State: ColoradoAbbreviation: NoneDate: 5/19/2025County: AdamsFilename: M183-005User: NCGAgency or organization name: DRMS**EQUIPMENT TRANSPORT RIG COST**Shift basis: 1 per dayCost Data Source: CRG DataTruck 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:	\$10.44	\$22.18	\$23.94
Operating Cost/Hour:	\$26.48	\$54.55	\$55.65
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53
Total Unit Cost/Hour:	\$59.44	\$122.78	\$125.64

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 D9T - 9SU	60.01	\$253.16	\$125.64	2	\$757.60	\$251.28	\$500.00
Drill/Broadcast Seeder with Tractor	25.00	\$41.02	\$59.44	2	\$200.92	\$118.88	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$27.21	\$59.44	1	\$86.65	\$59.44	\$250.00

Subtotals: **\$1,045.17** **\$429.60** **\$1,000.00****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.	\$125.87	1	\$125.87	\$125.87

Subtotals: **\$125.87** **\$125.87**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	DENVER	
Total one-way travel distance:	10.00	miles
Average Travel Speed:	45.00	mph

Total Non-Roadable Mob/Demob Cost *	\$6,836.13
** two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	\$55.94
** one round trip, no haul rig:	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.22	0.22
Return Time (Hours):	0.22	0.22
Loading Time (Hours):	1.00	NA
Unloading Time (Hours):	1.00	NA
Subtotals:	2.44	0.44

JOB TIME AND COST

Total job time:	4.89	Hours
-----------------	------	-------

Total job cost:	\$6,892
-----------------	---------