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

March 6, 2025

John Reams
Reams Construction Co.
31527 Hwy 141
P O Box 106
Naturita, CO 81422

Re: Weimer One Gravel - File No. M-2001-002
Reams Construction Co.
Surety Increase (SI-3)
Increase FW to $25,764

Dear John Reams:

On March 6, 2025 the Division of Reclamation, Mining and Safety increased the Financial Warranty requirement for this permit to $25,764.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of $5,264.00.

The Division ordered amendment of the current Financial Warranty or submittal of a new Financial Warranty reflecting the increase is due within 60 days.

Please make arrangements with Sara M. Stevenson-Benn at the Division's Denver office for submittal of the financial warranty. Any other questions regarding completion, execution and/or submittal of financial warranty forms should also be directed to Sara M. Stevenson-Benn by telephone at (303) 866-3567, or by email at Sara.stevenson-benn@state.co.us.

The Permittee for this site may be scheduled for a Formal Board Hearing for possible revocation of the permit if the amount of any increased Financial Warranty has not been provided by May 5, 2025.

If you have any questions, please contact me by telephone at (970) 433-8393, or by email at Dustin.czapla@state.co.us.

Sincerely,

Dustin M. Czapla
Environmental Protection Specialist

COST SUMMARY WORK

Task description: **2025-02-06 Update**

Site: **Weimer One Gravel** Permit Action: 2025-02-06 Update Permit/Job#: M2001002

PROJECT IDENTIFICATION

Task #: 000 State: Colorado Abbreviation: None
Date: 2/6/2025 County: Montrose Filename: M002-000
User: DMC

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Cut and fill remaining highwalls to 3H:1V	DOZER	1	2.04	$657
02a	Haul topsoil to remaining highwall areas	LOADER	1	13.93	$2,192
03a	Finish grade/spread topsoil over remaining disurbance	DOZER	1	2.98	$958
04a	Revegetate remaining disturbance	REVEGE	1	5.00	$13,385
05a	Mobilize reclamation crew and equipment	MOBILIZE	1	2.40	$3,585
	SUBTOTALS:			**26.35**	**$20,777**

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	$420
Performance bond:	1.05	Total =	$218
Job superintendent:	13.18	Total =	$1,044
Profit:	10.00	Total =	$2,078
		TOTAL O & P =	$3,760
		CONTRACT AMOUNT (direct + O & P) =	$24,537

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	$0	Total =	$0
Engineering work and/or contract/bid preparation:	0.00	Total =	$0
Reclamation management and/or administration:	5.00		$1,227
CONTINGENCY:	0.00	Total =	$0
		TOTAL INDIRECT COST =	$4,987
		TOTAL BOND AMOUNT (direct + indirect) =	**$25,764**

BULLDOZER WORK

Task description: **Cut and fill remaining highwalls to 3H:1V**

Site: **Weimer One Gravel** Permit Action: 2025-02-06 Update Permit/Job#: M2001002

PROJECT IDENTIFICATION

Task #:	01A	State:	Colorado	Abbreviation:	None
Date:	2/6/2025	County:	Montrose	Filename:	01a
User:	DMC				

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

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

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	$173.32	NA
Operating Cost/Hour:	$109.71	100
Ripper own. Cost/Hour:	$0.00	NA
Ripper op. Cost/Hour:	$0.00	0
Operator Cost/Hour:	$38.59	NA

Total unit Cost/Hour: $321.62
Total Fleet Cost/Hour: **$321.62**

MATERIAL QUANTITIES

Initial Volume:	1,157
Swell factor:	1.000
Loose volume:	**1,157** LCY

Source of estimated volume: Division of Reclamation, Mining & Safety
Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

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

Materials consistency description: Compacted fill or embankment 0.9

Average push gradient: 0 %
Average site altitude: 5,700 feet

Material weight: 2,550 lbs/LCY

Weight description: Earth - Dry packed

Job Condition Correction Factor		Source
Operator Skill:	0.750	(AVG.)
Material consistency:	0.900	(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: 0.4043

Adjusted unit production: 566.02 LCY/hr
Adjusted fleet production: **566.02** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: $0.568/LCY

Total job time: **2.04** Hours
Total job cost: **$657**

WHEEL LOADER – LOAD AND CARRY WORK

Task description: **Haul topsoil to remaining highwall areas**

Site: **Weimer One Gravel** Permit Action: 2025-02-06 Update Permit/Job#: M2001002

PROJECT IDENTIFICATION

Task #: 02A State: Colorado Abbreviation: None
Date: 2/6/2025 County: Montrose Filename: 02a
User: DMC

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: CAT 972H Horsepower: 287
Attachment 1: ROPS Cab Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	$62.43	NA
Operating Cost/Hour:	$57.98	100
Operator Cost/Hour:	$36.85	NA
Total Unit Cost/Hour:	$157.26	

Total Fleet Cost/Hour: $157.26

MATERIAL QUANTITIES

Initial volume: 2,689 CCY Swell factor: 1.000
Loose volume: **2,689** LCY

Source of estimated volume: Division of Reclamation, Mining & Safety
Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Loader Cycle Time: Unadjusted Basic Cycle Time (load, dump, maneuver): 0.525 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	Mixed material 0.02	0.020	(Cat HB)
Stockpile:	Conveyor or dozer piled 10 ft. high or less 0.01	0.010	(Cat HB)
Truck Ownership:	No adjustment - factor not applicable 0.00	0.000	(Cat HB)
Operation:	Inconsistent operation 0.04	0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
	Net Cycle Time Adjustment:	0.070	minutes
	Adjusted Basic Cycle Time:	0.595	minutes

Rolling Resistance – Road Conditions

Haul: Rutted dirt, little maintenance, no water, 1" tire penetration 4.0
Return: Rutted dirt, little maintenance, no water, 1" tire penetration 4.0

Haul and Return Time

	Length (feet)	Grade Res. (%)	Rolling Res. (%)	Total Res. (%)	Travel Time (minutes)	Source
Haul Route:	500	0.00	4.00	4.00	0.4244	(Cat HB)
Return Route:	500	0.00	4.00	4.00	0.3902	(Cat HB)

Total Travel Time:	0.8146	minutes
Total Cycle Time:	**1.4096**	minutes

Load Bucket Capacity

Rated Capacity:	5.60	LCY (heaped)
Bucket Fill Factor:	0.975	Loose material - mixed moist aggregates (95-100%) 0.975
Adjusted Capacity:	**5.46**	LCY

Job Condition Correction Factors
Site Altitude: 5870 feet

		Source
Altitude Adj:	1.00	(CAT HB)
Job Efficiency:	0.83	(1 shift/day)
Net Correction:	0.83	multiplier

Unadjusted Hourly Unit Production:	232.41	LCY/Hour
Adjusted Hourly Unit Production:	192.90	LCY/Hour
Adjusted Hourly Fleet Production:	**192.90**	LCY/Hour

JOB TIME AND COST

Fleet size:	1	Loader(s)	Total job time:	**13.94**	Hours
Unit cost:	$0.815	/LCY	Total job cost:	**$2,192**	

BULLDOZER WORK

Task description: **Finish grade/spread topsoil over remaining disurbance**

Site: **Weimer One Gravel** Permit Action: 2025-02-06 Update Permit/Job#: M2001002

PROJECT IDENTIFICATION

Task #:	03A	State:	Colorado	Abbreviation:	None
Date:	2/6/2025	County:	Montrose	Filename:	03a
User:	DMC				

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

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

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	$173.32	NA
Operating Cost/Hour:	$109.71	100
Ripper own. Cost/Hour:	$0.00	NA
Ripper op. Cost/Hour:	$0.00	0
Operator Cost/Hour:	$38.59	NA

Total unit Cost/Hour: $321.62
Total Fleet Cost/Hour: **$321.62**

MATERIAL QUANTITIES

Initial Volume:	2,689
Swell factor:	1.000
Loose volume:	**2,689** LCY

Source of estimated volume: Division of Reclamation, Mining & Safety
Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

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

Materials consistency description: Compacted fill or embankment 0.9

Average push gradient: 0 %
Average site altitude: 5,700 feet

Material weight: 1,600 lbs/LCY

Weight description: Top Soil

Job Condition Correction Factor		Source
Operator Skill:	0.750	(AVG.)
Material consistency:	0.900	(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:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.6445

Adjusted unit production: 902.30 LCY/hr
Adjusted fleet production: **902.3** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: $0.356/LCY

Total job time: **2.98** Hours
Total job cost: **$958**

REVEGETATION WORK

Task description: **Revegetate remaining disturbance**

Site: **Weimer One Gravel** Permit Action: 2025-02-06 Update Permit/Job#: M2001002

PROJECT IDENTIFICATION

Task #: 04A State: Colorado Abbreviation: None
Date: 2/6/2025 County: Montrose Filename: 04a
User: DMC

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
10-34-0, 18-46-0, 5-10-5	200.00	pound	$0.51	$102.32
			Total Fertilizer Materials Cost/Acre	**$102.32**

Application

Description	Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)	$43.12
Total Fertilizer Application Cost/Acre	**$43.12**

TILLING

Description	Cost /Acre
Subsoiling, light {(DMG}	$178.81
Total Tilling Cost/Acre	**$178.81**

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Nespar	2.50	8.09	$43.05
Bluebunch Wheatgrass - Secar	2.80	9.00	$29.44
Bottlebrush Squirreltail	5.10	22.48	$129.57
Western Wheatgrass - Arriba	4.00	10.10	$36.13
Flax, Lewis Blue	0.50	3.32	$21.15
Saltbush, Four Wing	0.50	0.69	$9.94
Totals Seed Mix	15.40	53.68	**$269.28**

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
	1.00		$0.00	$0.00
Straw, 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
Weed spray, truck, non-aquatic area, nox. [DMG]	$83.26
Total Mulch Application Cost/Acre	**$325.89**

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: $2,141.62
Estimated Failure Rate: 25% Cost /Acre*: $2,141.62
*Selected Replanting Work Items: FERTILIZING,TILLING,SEEDING,MULCHING

Initial Job Cost: **$10,708.10**
Reseeding Job Cost: **$2,677.03**
Total Job Cost: **$13,385**
Job Hours: **5.00**

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: **Mobilize reclamation crew and equipment**

Site: **Weimer One Gravel** Permit Action: 2025-02-06 Update Permit/Job#: M2001002

PROJECT IDENTIFICATION

Task #: 05A State: Colorado Abbreviation: None
Date: 2/6/2025 County: Montrose Filename: 05a
User: DMC

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:	$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 D8T - 8SU	53.08	$187.85	$125.64	1	$313.49	$125.64	$250.00
Drill/Broadcast Seeder with Tractor	25.00	$41.02	$59.44	1	$100.46	$59.44	$250.00
CAT 972H	28.00	$62.43	$122.78	1	$185.21	$122.78	$250.00
Power Mulcher (Bowie LD-90)	6.00	$27.21	$59.44	1	$86.65	$59.44	$250.00
Subtotals:					**$685.81**	**$367.30**	**$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.	$13.77	1	$13.77	$13.77
Subtotals:			**$13.77**	**$13.77**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	NUCLA	
Total one-way travel distance:	3.00	miles
Average Travel Speed:	30.00	mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	$3,582.24	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	$2.75	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.10	0.10
Return Time (Hours):	0.10	0.10
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.20	0.20

JOB TIME AND COST

Total job time:	**2.40**	Hours
Total job cost:	**$3,585**	