



COLORADO

**Division of Reclamation,
Mining and Safety**

Department of Natural Resources

1313 Sherman St. Room 215
Denver, CO 80203

January 14, 2020

John Avery
Luke the Duke, LLC
989 County Road 120
Hesperus, CO 81326

**Re: Luke the Duke Gravel Pit, Permit No. M-2013-036, Financial Warranty Reduction
Approval, Revision No. SR-1**

Mr. Avery:

On January 14, 2020 the Division of Reclamation, Mining and Safety **approved** your request for a Financial Warranty Reduction to \$5,869.00. The reclamation cost estimate worksheets are enclosed. This is a reduction of \$8,762.48. This decision reduces the amount of the financial warranty, and does not approve any release of reclamation responsibility for the tasks associated with this request.

Please provide a rider to the current Financial Warranty, or submit a new Financial Warranty reflecting this reduction. If you wish to submit a different type of Financial Warranty, please contact our office for the applicable form.

If you have any questions, please contact me.

Sincerely,

Lucas J. West
Environmental Protection Specialist
Division of Reclamation, Mining and Safety

cc: Gabriel R. Benvenuti, DRMS Financial Warranty Specialist
Enclosure: Reclamation Cost Estimate Worksheets



COST SUMMARY WORK

Task description: Cost Summary

Site: Luke the Duke Gravel Pit

Permit Action: 2019 Update

Permit/Job#: M2013036

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 11/20/2019

County: La Plata

Filename: M036-000

User: LJW

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Revegetate 2.25 acres affected land	REVEGE	1	12.00	\$3,448
002	Mobilization	MOBILIZE	1	3.09	\$1,495
<u>SUBTOTALS:</u>				15.09	\$4,943

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02
Performance bond: 1.05
Job superintendent: 0.00
Profit: 10.00

Total = \$100

Total = \$52

Total = \$0

Total = \$494

TOTAL O & P = \$646

CONTRACT AMOUNT (direct + O & P) = \$5,589

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$0
Engineering work and/or contract/bid preparation: 0.00
Reclamation management and/or administration: 5.00

Total = \$0

Total = \$0

\$279

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$926

TOTAL BOND AMOUNT (direct + indirect) = \$5,869

REVEGETATION WORKTask description: Revegetate 2.25 acres affected landSite: Luke the Duke Gravel PitPermit Action: 2019 UpdatePermit/Job#: M2013036**PROJECT IDENTIFICATION**Task #: 001
Date: 11/20/2019
User: LJWState: Colorado
County: La PlataAbbreviation: None
Filename: M036-001Agency 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
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$101.93
Total Tilling Cost/Acre	\$101.93

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Lovington	0.75	12.24	\$11.98
Indian Ricegrass - Native	2.00	6.47	\$13.00
Slender Wheatgrass - Native	1.00	3.65	\$4.63
Needle and Thread	0.60	1.58	\$25.11
Western Wheatgrass - Native	4.00	10.10	\$24.00
Totals Seed Mix	8.35	34.05	\$78.72

Application

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Description	Cost /Acre
Drill Seeding (DRMS Survey Cost)	\$232.00
Total Seed Application Cost/Acre	\$232.00

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - Curtail @ 4.0 pt/ac	1.00	ACRE	\$6.25	\$6.25
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$295.00	\$590.00
Total Mulch Materials Cost/Acre				\$596.25

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$70.17
Power mulcher (MEANS 32 91 13.16 0350)	\$95.83
Weed spray, truck, non-aquatic area, nox. [DMG]	\$71.50
Total Mulch Application Cost/Acre	\$237.50

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:	2.25	Cost /Acre:	\$1,246.40
Estimated Failure Rate:	25%	Cost /Acre*:	\$1,144.47
*Selected Replanting Work Items:	SEEDING,MULCHING		
Initial Job Cost:	\$2,804.40		
Reseeding Job Cost:	\$643.76		
Total Job Cost:	\$3,448		
Job Hours:	12.00		

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: MobilizationSite: Luke the Duke Gravel PitPermit Action: 2019 UpdatePermit/Job#: M2013036**PROJECT IDENTIFICATION**Task #: 002State: ColoradoAbbreviation: NoneDate: 11/20/2019County: La PlataFilename: M036-002User: LJWAgency 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:	\$17.20	\$29.63	\$38.69
Operating Cost/Hour:	\$26.56	\$47.02	\$55.69
Operator Cost/Hour:	\$23.63	\$23.63	\$23.63
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53
Total Unit Cost/Hour:	\$67.39	\$123.81	\$141.54

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
Drill/Broadcast Seeder with Tractor	25.00	\$18.15	\$67.39	1	\$85.54	\$67.39	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$9.74	\$67.39	1	\$77.13	\$67.39	\$250.00

Subtotals: **\$162.67** **\$134.78** **\$500.00****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.	\$12.96	1	\$12.96	\$12.96

Subtotals: **\$12.96** **\$12.96**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	DURANGO	
Total one-way travel distance:	15.00	miles
Average Travel Speed:	55.00	mph
Total Non-Roadable Mob/Demob Cost *	\$1,487.59	
** two round trips with haul rig:		
Total Roadable Mob/Demob Cost **	\$7.07	
** one round trip, no haul rig:		

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.27	0.27
Return Time (Hours):	0.27	0.27
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.55	0.55

JOB TIME AND COST

Total job time:	3.09	Hours
Total job cost:	\$1,495	