



COLORADO

Division of Reclamation,
Mining and Safety

Department of Natural Resources

1313 Sherman Street, Room 215
Denver, CO 80203

December 10, 2018

Katie Conrado
Meeker Sand & Gravel, Inc.
P.O. Box 1550
Meeker, CO 81641

Re: Amick Pit, Permit No. M-1979-103, Financial Warranty Reduction Approval, Revision No. SR-01

Ms. Conrado:

On December 10, 2018 the Division of Reclamation, Mining and Safety approved your request for a Financial Warranty Reduction to \$44,387.55. This is a reduction of \$ 121,200.91. 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 need additional information, please contact me at the Division of Reclamation, Mining and Safety, Grand Junction Field Office, 101 S. 3rd St., Suite 301, Grand Junction, Colorado 81501, telephone no. 970.241.2042.

Sincerely,

Travis Marshall
Environmental Protection Specialist

ec: Barbara Coria

Enclosure(s): Final Reclamation Cost Estimate for SR-01



COST SUMMARY WORK

Task description: Final Reclamation Cost Estimate for SR-01

Site: Amick Pit

Permit Action: SR-01

Permit/Job#: M1979103

PROJECT IDENTIFICATION

Task #: 001

State: Colorado

Abbreviation: None

Date: 12/10/2018

County: Rio Blanco

Filename: M103-001

User: THM

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Revegetate 22.7 acres	REVEGE	1	24.00	\$34,120.00
02a	Mobilization	MOBILIZE	1	2.53	\$1,510.00
<u>SUBTOTALS:</u>				26.53	\$35,630

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02
Performance bond: 1.05
Job superintendent: 13.27
Profit: 10.00

Total = \$719.73

Total = \$374.12

Total = \$969.01

Total = \$3,563.00

TOTAL O & P = \$5,625.86

CONTRACT AMOUNT (direct + O & P) = \$41,255.86

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

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

Total = 0.00

Total = \$0.00

\$2,062.79

CONTINGENCY: 3.00

Total = \$1,068.90

TOTAL INDIRECT COST = \$8,757.55

TOTAL BOND AMOUNT (direct + indirect) = \$44,387.55

REVEGETATION WORKTask description: Revegetate 22.7 acresSite: Amick PitPermit Action: SR-01Permit/Job#: M1979103**PROJECT IDENTIFICATION**Task #: 01AState: ColoradoAbbreviation: NoneDate: 12/10/2018County: Rio BlancoFilename: M103-01aUser: THMAgency 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)	\$106.29
Weed control spraying (MEANS 31 31 16.13 3100)	\$193.60
Total Tilling Cost/Acre	\$299.89

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Hachita	0.25	4.08	\$4.17
Indian Ricegrass - Paloma	1.50	4.86	\$14.63
Western Wheatgrass - Arriba	2.80	7.07	\$23.18
Needle and Thread	1.00	2.64	\$42.50
Totals Seed Mix	5.55	18.65	\$84.47

Application

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

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - Curtail @ 4.0 pt/ac	1.00	ACRE	\$7.34	\$7.34
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$288.00	\$576.00
Total Mulch Materials Cost/Acre				\$583.34

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$68.78
Power mulcher (MEANS 32 91 13.16 0350)	\$92.78
Weed spray, truck, non-aquatic area, nox. [DMG]	\$73.22
Total Mulch Application Cost/Acre	\$234.78

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: 22.7 Cost /Acre: \$1,202.48
 Estimated Failure Rate: 25% Cost /Acre*: \$1,202.48
 *Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: \$27,296.30
 Reseeding Job Cost: \$6,824.07
 Total Job Cost: \$34,120
 Job Hours: 24.00

COST SUMMARY WORK

Task description: Final

Site: Amick Pit

Permit Action: SI-2

Permit/Job#: M1979103

PROJECT IDENTIFICATION

Task #: 001

State: Colorado

Abbreviation: None

Date: 2/14/2014

County: Rio Blanco

Filename: M103-001

User: THM

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Establish 3H:1V slopes on existing 2H:1V slopes	DOZER	1	13.90	\$2,753.37
02a	Rip compacted area prior to overburden and topsoil placement	RIPPER	1	7.32	\$1,546.00
03a	Place overburden on 32 acres flat area	SCRAPER1	1	60.22	\$45,465.62
04a	Place topsoil on 34 acres	SCRAPER1	1	31.79	\$29,811.39
05a	Revegetate 34 acres	REVEGE	1	24.00	\$49,501.03
06a	Mobilization	MOBILIZE	1	2.53	\$5,932.98
<u>SUBTOTALS:</u>				139.76	\$135,010

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02
Performance bond: 1.05
Job superintendent: 69.88
Profit: 10.00

Total = \$2,727.20

Total = \$1,417.61

Total = \$5,104.73

Total = \$13,501.00

TOTAL O & P = \$22,750.54

CONTRACT AMOUNT (direct + O & P) = \$157,760.54

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): 500.00

Total = 500.00

Engineering work and/or contract/bid preparation: 0.00

Total = \$0.00

Reclamation management and/or administration: 5.00

\$7,888.03

CONTINGENCY: 0.00

Total = \$0.00

TOTAL INDIRECT COST = \$31,138.57

TOTAL BOND AMOUNT (direct + indirect) = \$166,148.57

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: MobilizationSite: Amick PitPermit Action: SR-01Permit/Job#: M1979103**PROJECT IDENTIFICATION**Task #: 02AState: ColoradoAbbreviation: NoneDate: 12/10/2018County: Rio BlancoFilename: M103-02aUser: THMAgency 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:	\$16.63	\$18.37	\$22.33
Operating Cost/Hour:	\$44.38	\$46.13	\$50.07
Operator Cost/Hour:	\$27.66	\$27.66	\$27.66
Helper Cost/Hour:	\$0.00	\$25.39	\$25.39
Total Unit Cost/Hour:	\$88.67	\$117.55	\$125.45

NON ROADABLE EQUIPMENT:

Machine Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/uni t	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Drill/Broadcast Seeder with Tractor	25.00	\$15.54	\$88.67	1	\$104.21	\$88.67	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$8.33	\$88.67	1	\$97.00	\$88.67	\$250.00

Subtotals:	\$201.21	\$177.34	\$500.00
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ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 3/4 T.	\$12.23	2	\$24.46	\$24.46

Subtotals:	\$24.46	\$24.46
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EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	<u>MEEKER</u>	
Total one-way travel distance:	<u>4.00</u>	miles
Average Travel Speed:	<u>30.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$1,503.37</u>
** two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	<u>\$6.52</u>
** one round trip, no haul rig:	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	<u>0.13</u>	<u>0.13</u>
Return Time (Hours):	<u>0.13</u>	<u>0.13</u>
Loading Time (Hours):	<u>0.50</u>	<u>NA</u>
Unloading Time (Hours):	<u>0.50</u>	<u>NA</u>
Subtotals:	<u>1.27</u>	<u>0.27</u>

JOB TIME AND COST

Total job time:	<u>2.53</u>	Hours
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Total job cost:	<u>\$1,510</u>
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