



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

June 29, 2023

Jason Burkey
Oldcastle SW Group, Inc. dba United Companies of Mesa County
2273 River Road
Grand Junction, CO 81502

Re: Sievers Pit - File No. M-1977-098
Oldcastle SW Group, Inc. dba United Companies of Mesa County
Surety Increase (SI-6)
Sievers Pit, M-1977-098 Surety Increase 2023.

Dear Jason Burkey:

On June 29, 2023 the Division of Reclamation, Mining and Safety increased the current Financial Warranty for this permit to \$962,447.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$168,090.00.

Please see the May 24, 2023 inspection report for details regarding why this surety increase is required.

The Division ordered amendment of the current Financial Warranty, or submittal of a new Financial Warranty reflecting the increase, within 60 days from the date of this letter (June 29, 2023).

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 (8148), 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 after August 28, 2023, if the amount of any increased Financial Warranty has not been provided.

Bond Held:	\$794,357.00
Prior Liability:	\$794,357.00
Change in Liability:	\$168,090.00
Revised Liability:	\$962,447.00
Prior Permit Acreage:	122.90



Change in Permit Acreage:	0.00
Revised Permit Acreage:	122.90
Prior Affected Acreage:	122.90
Change in Affected Acreage:	0.00
Revised Affected Acreage:	122.90

If you have any questions, please contact me by telephone at (303) 866-3567 x 8185, or by email at Clayton.wein@state.co.us.

Sincerely,



Clayton C. Wein
Environmental Protection Specialist

COST SUMMARY WORK

Task description: Reclamation Cost Summary following 2023 Inspection

Site: Sievers Pit

Permit Action: 2023

Permit/Job#: M1977098

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 6/21/2023

County: Garfield

Filename: M098-000

User: CCW

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Demo onsite structures	DEMOLISH	1	40.00	\$78,357
02a	Rip asphalt road and cement parking area/pads	RIPPER	4	1.76	\$2,510
02b	Remove/haul asphalt/cement to excavated pit	SCRAPER1	2	2.35	\$11,195
03a	Highwall reduction	DOZER	4	19.70	\$25,929
04a	Rip pit floor	RIPPER	4	23.37	\$33,181
05a	Transport topsoil	SCRAPER1	2	73.64	\$350,088
05b	Distribute topsoil/finish grading	DOZER	4	11.43	\$15,049
06a	Reveg slopes-22.1 ac	REVEGE	1	28.00	\$46,479
06b	Reveg pit floor - 88.3 ac	REVEGE	1	126.00	\$178,487
<u>SUBTOTALS:</u>				326.25	\$741,275

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$14,974

Performance bond: 1.05

Total = \$7,783

Job superintendent: 163.13

Total = \$12,256

Profit: 10.00

Total = \$74,128

TOTAL O & P = \$109,140

CONTRACT AMOUNT (direct + O & P) = \$850,415

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$500

Total = \$500

Engineering work and/or contract/bid preparation: 6.00

Total = \$51,025

Reclamation management and/or administration: 4.50

\$38,269

CONTINGENCY: 3.00

Total = \$22,238

TOTAL INDIRECT COST = \$221,172

TOTAL BOND AMOUNT (direct + indirect) = \$962,447

DEMOLITION WORK

Task description: Demo onsite structures

Site: Sievers Pit

Permit Action: 2023

Permit/Job#: M1977098

PROJECT IDENTIFICATION

Task #: 01A

State: Colorado

Abbreviation: None

Date: 6/21/2023

County: Garfield

Filename: M098-01a

User: CCW

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 86.60 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Shop Buildings	200'L x 50'W x 20'H	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 50 ft. push	200,000.00	CF	\$0.19	\$38,800.00
Office Building #1	80'L x 40'W x 15'H	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	48,000.00	CF	\$0.22	\$10,464.00
Office Building #2	55'W x 75'L x 15'H	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	61,875.00	CF	\$0.22	\$13,488.75
Shop Pad/Appron Cement	Approx 18,400sqft	Demo. and on-site disposal in existing pit, 8 in. thick - Max. 50 ft. push	18,400.00	SF	\$1.51	\$27,728.80

Job Hours: 40.00

Subtotal
(unadjusted): \$90,481.55

Total Cost
(adjusted for location): \$78,357.02

BULLDOZER RIPPING WORK

Task description: Rip asphalt road and cement parking area/pads

Site: Sievers Pit

Permit Action: 2023

Permit/Job#: M1977098

PROJECT IDENTIFICATION

Task #: 02A

State: Colorado

Abbreviation: None

Date: 6/21/2023

County: Garfield

Filename: M098-02a

User: CCW

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D9T - 9SU

Horsepower: 405

Ripper Attachment: 3-Shank Ripper

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$146.30	NA
Operating Cost/Hour:	\$141.41	100
Ripper Ownership Cost/Hour:	\$17.01	NA
Ripper Operating Cost/Hour:	\$8.85	100
Operator Cost/Hour:	\$41.30	NA
Total Unit Cost/Hour:	\$354.87	
Total Fleet Cost/Hour:	\$1,419.49	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA

Bank Volume: NA

BCY NA

Area: 3.79 acres

Rip Depth (ft): 1.00

Volume: 6,115

BCY or CCY

Source of estimated quantity: 3.39 ac of asphalt roads, 0.4 ac of cmt pads

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth:	<u>2.63</u>	feet/pass
Average Ripping Width:	<u>7.67</u>	feet/pass
Average Ripping Length:	<u>50.00</u>	feet/pass
Average Dozer Speed:	<u>88.00</u>	feet/minute
Average Maneuver Time:	<u>0.25</u>	minutes/pass
Production per unit area:	<u>0.646</u>	acres/hour

Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.646 Acres/hr

Site Altitude: 6,020 feet

Altitude Adj: 1.00 (CAT HB)

Job Efficiency: 0.83 (1 shift/day)

Net Correction: 0.83 multiplier

Adjusted Hourly Unit Production: 0.54 Acres/hr

Adjusted Hourly Fleet Production: 2.14 Acres/hr

JOB TIME AND COST

Fleet size: 4 Grader(s)

Total job time: 1.77 Hours

Unit cost: \$662.235 Per acre

Total job cost: \$2,510

SCRAPER TEAM WORKTask description: Remove/haul asphalt/cement to excavated pitSite: Sievers PitPermit Action: 2023Permit/Job#: M1977098**PROJECT IDENTIFICATION**Task #: 02BState: ColoradoAbbreviation: NoneDate: 6/21/2023County: GarfieldFilename: M098-02bUser: CCWAgency or organization name: DRMS**HOURLY EQUIPMENT**COSTShift basis: 1 per day

Equipment Description	
-Scraper:	Cat 657G w/push-pull
-Dozer:	Cat D9T - 9SU
Support Equipment -Load Area:	Cat D9T - 9SU
-Dump Area:	NA
Road Maintenance -Motor Grader:	NA
-Water Truck:	NA

Cost Breakdown:

	Scraper Work Team		Support Equipment		Maintenance Equipment	
	Scraper	Dozer	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	10	NA	NA	NA
Ownership cost/hour:	\$418.35	\$146.30	\$146.30	NA	NA	NA
Operating cost/hour:	\$359.84	\$141.41	\$14.14	NA	NA	NA
%Utilization-ripper:	NA	NA	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	\$0.00	NA	NA	NA
Ripper op. cost/hour:	NA	\$0.00	\$0.00	NA	NA	NA
Operator cost/hour:	\$30.90	\$41.30	\$41.30	NA	NA	NA
Unit Subtotals:	\$809.09	\$329.01	\$201.74	NA	NA	NA
Number of Units:	4	4	1	0	0	0
Group Subtotals:	Work:	\$4,552.40	Support:	\$201.74	Maint:	\$0.00

Total work team cost/hour: \$4,754.14**MATERIAL QUANTITIES**Initial volume: 6,115

CCY

Swell factor: 1.060Loose volume: 6,482

LCY

Source of estimated volume: Ripped VolumeSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION****Scraper Bowl (volume) Basis:**

Material weight:	<u>2,550 lbs/LCY</u>	Struck Volume:	<u>32.00</u>	LCY
Material description:	<u>Gravel - Dry</u>	Heaped Volume:	<u>44.00</u>	LCY
Rated Payload:	<u>104,000 pounds</u>	Average Volume:	<u>38.00</u>	LCY
Payload Capacity:	<u>40.78 LCY</u>	Adjusted Capacity:	<u>38.00</u>	LCY

Cycle Time:Scraper Loading Time: 1.10 MinutesManeuver and Spread Time: 0.60 MinutesJob Condition Correction:

Site Altitude: 6020 feet

	Scraper	Push Dozer	Source
Altitude Adj:	1.000	1.000	(CAT HB)
Job Efficiency:	0.830	0.830	(CAT HB)
Net Correction:	0.830	0.830	

Travel Time:Road Condition: Rutted dirt, little maintenance, no water, 2" tire penetration 5.0Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	600.00	-2.00	5.00	3.00	2883	0.55

Haul Time: 0.55 minutesReturn Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	600.00	2.00	5.00	7.00	2687	0.50

Return Time: 0.50 minutesTotal Scraper team cycle time: 2.75 minutesAdjusted for job conditions: 1,376.29 LCY/HourSelected Number of Scrapers: 2 Scraper(s)Adjusted single scraper team (unit) hourly production: 1,376.29 LCY/HourAdjusted multiple scraper team (fleet) hourly production: 2,752.58 LCY/HourUnadjusted unit production/hour: 1,658.18 LCY/Hour

Optimal Number of Scrapers per push dozer: _____

JOB TIME AND COSTFleet size: 2 Team(s)Total job time: 2.35 HoursUnit cost: \$1.727 /LCYTotal job cost: \$11,195

BULLDOZER WORKTask description: **Highwall reduction**Site: **Sievers Pit**Permit Action: **2023**Permit/Job#: **M1977098****PROJECT IDENTIFICATION**Task #: **03A**State: **Colorado**Abbreviation: **None**Date: **6/21/2023**County: **Garfield**Filename: **M098-03a**User: **CCW**Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Basic Machine: **Cat D9T - 9SU**Horsepower: **405**Blade Type: **Semi-Universal**Attachment: **NA**Shift Basis: **1 per day**Data Source: **(CRG)****Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$146.30	NA
Operating Cost/Hour:	\$141.41	100
Ripper own.		
Cost/Hour:	\$0.00	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.30	NA

Total unit Cost/Hour: **\$329.01**Total Fleet Cost/Hour: **\$1,316.05****MATERIAL QUANTITIES**Initial Volume: **46,665**Swell factor: **1.124**Loose volume: **52,433 LCY**Source of estimated volume: **200 LF backfill, 1300 Cut fill 40'H Vert to 3:1**Source of estimated swell factor: **Cat Handbook****HOURLY PRODUCTION**Average push distance: **60 feet**Unadjusted hourly production: **1,872.0 LCY/hr**Materials consistency description: **Compacted fill or embankment 0.9**Average push gradient: **0 %**Average site altitude: **6,020 feet**Material weight: **2,900 lbs/LCY**Weight description: **Sand and gravel - Dry****Job Condition Correction Factor**Operator Skill: **0.750**Source
(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:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3554

Adjusted unit
production: 665.31 LCY/hr

Adjusted fleet
production: **2661.24** LCY/hr

JOB TIME AND COST

Fleet size: 4 Dozer(s)

Unit cost: \$0.495/LCY

Total job time: **19.70** Hours

Total job cost: **\$25,929**

BULLDOZER RIPPING WORK

Task description: Rip pit floor

Site: Sievers Pit

Permit Action: 2023

Permit/Job#: M1977098

PROJECT IDENTIFICATION

Task #: 04A

State: Colorado

Abbreviation: None

Date: 6/21/2023

County: Garfield

Filename: M098-041

User: CCW

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D9T - 9SU

Horsepower: 405

Ripper Attachment: 3-Shank Ripper

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$146.30	NA
Operating Cost/Hour:	\$141.41	100
Ripper Ownership Cost/Hour:	\$17.01	NA
Ripper Operating Cost/Hour:	\$8.85	100
Operator Cost/Hour:	\$41.30	NA
Total Unit Cost/Hour:	\$354.87	
Total Fleet Cost/Hour:	\$1,419.49	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA

Bank Volume: NA

BCY NA

Area: 65.00 acres

Rip Depth (ft): 2.00

Volume: 209,733

BCY or CCY

Source of estimated quantity: Stage A+B

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth:	<u>2.63</u>	feet/pass
Average Ripping Width:	<u>7.67</u>	feet/pass
Average Ripping Length:	<u>200.00</u>	feet/pass
Average Dozer Speed:	<u>88.00</u>	feet/minute
Average Maneuver Time:	<u>0.25</u>	minutes/pass
Production per unit area:	<u>0.838</u>	acres/hour

Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.838 Acres/hr

Site Altitude: 6,020 feet

Altitude Adj: 1.00 (CAT HB)

Job Efficiency: 0.83 (1 shift/day)

Net Correction: 0.83 multiplier

Adjusted Hourly Unit Production: 0.70 Acres/hr

Adjusted Hourly Fleet Production: **2.78** Acres/hr

JOB TIME AND COST

Fleet size: 4 Grader(s) Total job time: **23.38** Hours

Unit cost: \$510.473 Per acre Total job cost: **\$33,181**

SCRAPER TEAM WORKTask description: Transport topsoilSite: Sievers PitPermit Action: 2023Permit/Job#: M1977098**PROJECT IDENTIFICATION**Task #: 05AState: ColoradoAbbreviation: NoneDate: 6/21/2023County: GarfieldFilename: M098-05aUser: CCWAgency or organization name: DRMS**HOURLY EQUIPMENT**COSTShift basis: 1 per day

Equipment Description	
-Scraper:	Cat 657G w/push-pull
-Dozer:	Cat D9T - 9SU
Support Equipment -Load Area:	Cat D9T - 9SU
-Dump Area:	NA
Road Maintenance -Motor Grader:	NA
-Water Truck:	NA

Cost Breakdown:

	Scraper Work Team		Support Equipment		Maintenance Equipment	
	Scraper	Dozer	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	10	NA	NA	NA
Ownership cost/hour:	\$418.35	\$146.30	\$146.30	NA	NA	NA
Operating cost/hour:	\$359.84	\$141.41	\$14.14	NA	NA	NA
%Utilization-ripper:	NA	NA	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	\$0.00	NA	NA	NA
Ripper op. cost/hour:	NA	\$0.00	\$0.00	NA	NA	NA
Operator cost/hour:	\$30.90	\$41.30	\$41.30	NA	NA	NA
Unit Subtotals:	\$809.09	\$329.01	\$201.74	NA	NA	NA
Number of Units:	4	4	1	0	0	0
Group Subtotals:	Work:	\$4,552.40	Support:	\$201.74	Maint:	\$0.00

Total work team cost/hour: \$4,754.14**MATERIAL QUANTITIES**Initial volume: 136,541

CCY

Swell factor: 1.215Loose volume: 165,897

LCY

Source of estimated volume: 10" for 88.3 ac of flat and 6" for 22.1 ac slopesSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION****Scraper Bowl (volume) Basis:**

Material weight:	<u>1,600 lbs/LCY</u>	Struck Volume:	<u>32.00</u>	LCY
Material description:	<u>Top Soil</u>	Heaped Volume:	<u>44.00</u>	LCY
Rated Payload:	<u>104,000 pounds</u>	Average Volume:	<u>38.00</u>	LCY
Payload Capacity:	<u>65.00 LCY</u>	Adjusted Capacity:	<u>38.00</u>	LCY

Cycle Time:

Scraper Loading Time: 1.10 Minutes
 Maneuver and Spread Time: 0.60 Minutes

Job Condition Correction:

Site Altitude: 6020 feet

	Scraper	Push Dozer	Source
Altitude Adj:	1.000	1.000	(CAT HB)
Job Efficiency:	0.830	0.830	(CAT HB)
Net Correction:	0.830	0.830	

Travel Time:Road Condition: Soft, rutted dirt, no maintenance or water, 4" tire penetration 8.0Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	1200.00	0.00	8.00	8.00	1426	0.92

Haul Time: 0.92 minutesReturn Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	1200.00	0.00	8.00	8.00	2428	0.74

Return Time: 0.74 minutes

Total Scraper team cycle time: 3.36 minutes
 Adjusted for job conditions: 1,126.43 LCY/Hour
 Selected Number of Scrapers: 2 Scraper(s)
 Adjusted single scraper team (unit) hourly production: 1,126.43 LCY/Hour
 Adjusted multiple scraper team (fleet) hourly production: 2,252.86 LCY/Hour

Unadjusted unit production/hour: 1,357.14 LCY/Hour

Optimal Number of Scrapers per push dozer: _____

JOB TIME AND COSTFleet size: 2 Team(s) Total job time: 73.64 HoursUnit cost: \$2.110 /LCY Total job cost: \$350,088

BULLDOZER WORKTask description: **Distribute topsoil/finish grading**Site: **Sievers Pit**Permit Action: **2023**Permit/Job#: **M1977098****PROJECT IDENTIFICATION**Task #: **05B**State: **Colorado**Abbreviation: **None**Date: **6/21/2023**County: **Garfield**Filename: **M098-05b**User: **CCW**Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Basic Machine: **Cat D9T - 9SU**Horsepower: **405**Blade Type: **Semi-Universal**Attachment: **NA**Shift Basis: **1 per day**Data Source: **(CRG)****Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$146.30	NA
Operating Cost/Hour:	\$141.41	100
Ripper own.		
Cost/Hour:	\$0.00	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.30	NA

Total unit Cost/Hour: **\$329.01**Total Fleet Cost/Hour: **\$1,316.05****MATERIAL QUANTITIES**Initial Volume: **82,949**Swell factor: **1.000**Loose volume: **82,949 LCY**Source of estimated volume: **Half of transported vol (165,897 LCY)**Source of estimated swell factor: **Cat Handbook****HOURLY PRODUCTION**Average push distance: **50 feet**Unadjusted hourly production: **2,110.5 LCY/hr**Materials consistency description: **Loose stockpile 1.2**Average push gradient: **0 %**Average site altitude: **6,020 feet**Material weight: **1,600 lbs/LCY**Weight description: **Top Soil****Job Condition Correction Factor****Source**

Operator Skill:	0.750	(AVG.)
Material consistency:	1.200	(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: 0.8593

Adjusted unit
production: 1,813.55 LCY/hr
Adjusted fleet
production: **7254.2 LCY/hr**

JOB TIME AND COST

Fleet size: 4 Dozer(s)
Unit cost: \$0.181/LCY

Total job time: **11.43 Hours**
Total job cost: **\$15,049**

REVEGETATION WORKTask description: Reveg slopes-22.1 acSite: Sievers PitPermit Action: 2023Permit/Job#: M1977098PROJECT IDENTIFICATIONTask #: 06AState: ColoradoAbbreviation: NoneDate: 6/21/2023County: GarfieldFilename: M098-06aUser: CCWAgency or organization name: DRMSFERTILIZING**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
6-24-24, 10-20-10, 15-15-15	200.00	pound	\$0.29	\$58.00
			Total Fertilizer Materials Cost/Acre	\$58.00

Application

Description	Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)	\$39.64
Total Fertilizer Application Cost/Acre	\$39.64

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.18
Total Tilling Cost/Acre	\$117.18

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Sand Dropseed	0.10	11.94	\$0.98
Smooth Brome - Manchar	2.00	6.66	\$6.65
Pubescent Wheatgrass - Luna	11.00	22.73	\$37.40
Streambank Wheatgrass - Sodar	11.00	35.86	\$62.70
Totals Seed Mix	24.10	77.18	\$107.73

Application

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

Total Seed Application Cost/Acre	\$232.00
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MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost / Acre
Herbicide - Curtail @ 4.0 pt/ac	1.00	ACRE	\$7.94	\$7.94
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$421.36	\$842.72
Total Mulch Materials Cost/Acre				\$850.66

Application

Description	Cost / Acre
Crimping, with tractor {DMG survey data}	\$73.00
Power mulcher (MEANS 32 91 13.16 0350)	\$141.57
Weed spray, truck, non-aquatic area, nox. [DMG]	\$62.72
Total Mulch Application Cost/Acre	\$277.29

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: 22.1 Cost /Acre: \$1,682.50
 Estimated Failure Rate: 25% Cost /Acre*: \$1,682.50
 *Selected Replanting Work Items: FERTILIZING,TILLING,SEEDING,MULCHING

Initial Job Cost: \$37,183.25
 Reseeding Job Cost: \$9,295.81
 Total Job Cost: \$46,479
 Job Hours: 28.00

REVEGETATION WORKTask description: Reveg pit floor - 88.3 acSite: Sievers PitPermit Action: 2023Permit/Job#: M1977098PROJECT IDENTIFICATIONTask #: 06BState: ColoradoAbbreviation: NoneDate: 6/21/2023County: GarfieldFilename: M098-06bUser: CCWAgency or organization name: DRMSFERTILIZING**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
6-24-24, 10-20-10, 15-15-15	200.00	pound	\$0.29	\$58.00
			Total Fertilizer Materials Cost/Acre	\$58.00

Application

Description	Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)	\$39.64
Total Fertilizer Application Cost/Acre	\$39.64

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.18
Total Tilling Cost/Acre	\$117.18

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Crested Wheatgrass - Fairway	1.00	4.59	\$4.03
Kentucky Bluegrass - Lato	0.10	4.94	\$0.34
Red Clover - Medium	0.20	1.24	\$2.67
Smooth Brome - Manchar	1.50	4.99	\$4.99
Western Wheatgrass - Native	5.00	12.63	\$30.00
Timothy - Climax	0.20	5.74	\$0.32
Totals Seed Mix	8.00	34.13	\$42.33

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	\$7.94	\$7.94
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$421.36	\$842.72
Total Mulch Materials Cost/Acre				\$850.66

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$73.00
Power mulcher (MEANS 32 91 13.16 0350)	\$141.57
Weed spray, truck, non-aquatic area, nox. [DMG]	\$62.72
Total Mulch Application Cost/Acre	\$277.29

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: 88.3 Cost /Acre: \$1,617.10
 Estimated Failure Rate: 25% Cost /Acre*: \$1,617.10
 *Selected Replanting Work Items: FERTILIZING,TILLING,SEEDING,MU
LCHING

Initial Job Cost: \$142,789.93
 Reseeding Job Cost: \$35,697.48
 Total Job Cost: \$178,487
 Job Hours: 126.00