

## COST SUMMARY WORK

Task description: 2025 Update

Site: 23 Road Pit

Permit Action: 2025

Permit/Job#: M1979089

### PROJECT IDENTIFICATION

Task #: ACY

State: Colorado

Abbreviation: None

Date: 8/5/2025

County: Mesa

Filename: M089-ACY

User: ACY

Agency or organization name: DRMS

### TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
02e	Pond 2 - Reveg	REVEGE	1	2.00	\$6,735
03a	Pond 3 - Dewater prior to slope grading	PUMPING	1	38.86	\$5,117
03b	Pond 3 - Grade slopes to 3H:1V	DOZER	2	2.35	\$1,550
03c	Pond 3 - Transport topsoil	LOADER	1	13.68	\$2,551
03d	Pond 3 - Grade half of transported topsoil	DOZER	2	0.37	\$242
03e	Pond 3 - Reveg	REVEGE	1	2.00	\$6,339
04e	Pond 4 - Reveg	REVEGE	1	2.00	\$27,732
05a	Decompact stockpile area	RIPPER	2	20.12	\$14,244
05b	Transport topsoil of stockpile area	LOADER	1	195.68	\$36,471
05c	Grade half of transported topsoil for stockpile area	DOZER	2	5.72	\$3,769
05d	Reveg stockpile area	REVEGE	1	40.00	\$90,393
06a	Plant trees	REVEGE	1	30.00	\$2,223
07b	Water Trees 2 hrs wkly	MISCTRUK	1	104.00	\$6,401
10a	Initial Mobilization	MOBILIZE	1	2.50	\$12,747
10b	Secondary Mobilization	MOBILIZE	1	2.50	\$1,513
<b><u>SUBTOTALS:</u></b>				<b>461.78</b>	<b>\$218,027</b>

### INDIRECT COSTS

#### OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$4,404

Performance bond: 1.05

Total = \$2,289

Job superintendent: 212.00

Total = \$15,928

Profit: 10.00

Total = \$21,803

TOTAL O & P = \$44,424

CONTRACT AMOUNT (direct + O & P) = \$262,451

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

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

Total = \$500

Engineering work and/or contract/bid preparation: 4.25

Total = \$11,154

Reclamation management and/or administration: 5.00

\$13,123

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$69,200

**TOTAL BOND AMOUNT (direct + indirect) = \$287,227**

**REVEGETATION WORK**Task description: **Pond 2 - Reveg**Site: **23 Road Pit**Permit Action: 2025Permit/Job#: M1979089**PROJECT IDENTIFICATION**Task #: 02EState: ColoradoAbbreviation: NoneDate: 8/5/2025County: MesaFilename: M089-02eUser: ACYAgency or organization name: DRMS**FERTILIZING****Materials**

<b>Description</b>	<b>Units / Acre</b>	<b>Unit</b>	<b>Cost / Unit</b>	<b>Cost /Acre</b>
Potassium nitrate, 13-46-0	250.00	pound	\$0.72	\$179.28
			<b>Total Fertilizer Materials Cost/Acre</b>	<b>\$179.28</b>

**Application**

<b>Description</b>	<b>Cost /Acre</b>
Tractor towed spreader (MEANS 32 01 90.13 0120)	\$46.17
<b>Total Fertilizer Application Cost/Acre</b>	<b>\$46.17</b>

**TILLING**

<b>Description</b>	<b>Cost /Acre</b>
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$114.13
<b>Total Tilling Cost/Acre</b>	<b>\$114.13</b>

**SEEDING**

<b>Seed Mix</b>	<b>Rate – PLS LBS / Acre</b>	<b>Seeds per SQ. FT</b>	<b>Cost /Acre</b>
Alkali Sacaton	1.00	39.03	\$29.78
Nebraska Sedge	1.00	20.94	\$150.22
Slender Wheatgrass - San Luis	3.00	10.95	\$18.54
Red Top	1.00	114.55	\$10.72
Reedgrass, Canadian (or Blue Joint)	0.50	51.42	\$211.21
Reedgrass, Northern - Native	0.50	51.42	\$81.82
Saltgrass, Inland	1.00	13.86	\$51.03
Timothy - Climax	1.00	28.70	\$4.25
Basin Wildrye - Trailhead	1.50	6.10	\$19.99
<b>Totals Seed Mix</b>	<b>10.50</b>	<b>336.97</b>	<b>\$577.56</b>

**Application**

Description	Cost /Acre
Drill Seeding (DRMS Survey Cost)	\$242.30
<b>Total Seed Application Cost/Acre</b>	<b>\$242.30</b>

**MULCHING and MISCELLANEOUS****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Hay, delivered	2.00	TON	\$504.56	\$1,009.12
Herbicide - 2,4D @ 1.0 pt/ac	2.00	ACRE	\$4.44	\$8.88
Herbicide - Curtail @ 4.0 pt/ac	2.00	ACRE	\$38.14	\$76.27
<b>Total Mulch Materials Cost/Acre</b>				<b>\$1,094.27</b>

**Application**

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$239.35
Power mulcher (MEANS 32 91 13.16 0350)	\$141.57
Weed spray, truck, aquatic area, nox. [DMG]	\$81.67
<b>Total Mulch Application Cost/Acre</b>	<b>\$462.59</b>

**NURSERY STOCK PLANTING**

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
<b>Totals Nursery Stock Cost / Acre</b>					<b>\$0.00</b>

**JOB TIME AND COST**

No. of Acres: 1.7 Cost /Acre: \$2,716.30  
 Estimated Failure Rate: 50% Cost /Acre\*: \$2,490.85  
 \*Selected Replanting Work Items: TILLING,SEEDING,MULCHING  
 Initial Job Cost: **\$4,617.71**  
 Reseeding Job Cost: **\$2,117.22**  
 Total Job Cost: **\$6,735**  
 Job Hours: **2.00**

## PUMPING WORK

Task description: Pond 3 - Dewater prior to slope grading

Site: 23 Road Pit

Permit Action: 2025

Permit/Job#: M1979089

### PROJECT IDENTIFICATION

Task #: 03A

State: Colorado

Abbreviation: None

Date: 8/5/2025

County: Mesa

Filename: M089-03a

User: ACY

Agency or organization name: DRMS

### HOURLY EQUIPMENT COST

	Description	Quantity
Make and Model:	Submersible pump - 460v, 8 in.	3
Attachment 1:	Suction hose - 6 in. diam., 25 ft.	3
Attachment 2:	Discharge hose - 6 in. D., 25 ft.	12
Labor Unit 1:	Pump operator (same as 1st)	3

Horsepower: 95

Shift Basis: 1 per day

Weight: 0.70

(US Tons)

#### Cost Breakdown:

	Utilization %
Ownership Cost/Hour: <u>\$33.78</u>	<u>NA</u>
Operating Cost/Hour: <u>\$14.28</u>	<u>100</u>
Operator Cost/Hour: <u>\$83.61</u>	<u>NA</u>
Total Unit Cost/Hour: <u>\$131.67</u>	

Total Fleet Cost/Hour: \$131.67

### PUMPING QUANTITIES

Initial Pond Volume: <u>56.00</u>		Conversion factor: <u>325850.5800</u>
Final Pond Volume: <u>18,247,632.48</u>	gallons	
Total Pond Inflow Surface Area: <u>435,600</u>	Sq. ft.	Unit inflow rate in gph/sq. ft.: <u>0.1758</u>
Total Pond Inflow Volume per Hour: <u>76,578.48</u>	gallons	

Source of estimated volume: TR-8

### PUMPING TIME

Maximum Pump Capacity: <u>170,000</u>	gph/pump
Estimated Suction Head: <u>15</u>	feet
Estimated Discharge Head: <u>15</u>	feet
Total Head: <u>30</u>	feet
CPB Pump Capacity: <u>165,600</u>	gph/pump
Site Altitude: <u>4,532</u>	feet
Adjusted Pumping Capacity: <u>496,800</u>	gph
Initial Unadjusted Pumping Time: <u>36.73</u>	hours
Inflow during Initial Pumping: <u>2,812,754</u>	gallons
Net Unadjusted Pumping Time: <u>42.39</u>	Hours
Altitude Adjustment Factor: <u>1.0000</u>	(3% rule)
Pump Efficiency Factor: <u>0.9167</u>	(55 min./hr.)
Total Adjusted Pumping Time: <u>38.86</u>	hours

### JOB TIME AND COST

Total job time: 38.86 Hours

Unit cost: \$0.000243 /Gallon

Total job cost: \$5,117

**BULLDOZER WORK**Task description: **Pond 3 - Grade slopes to 3H:1V**Site: **23 Road Pit**Permit Action: **2025**Permit/Job#: **M1979089****PROJECT IDENTIFICATION**Task #: **03B**State: **Colorado**Abbreviation: **None**Date: **8/5/2025**County: **Mesa**Filename: **M089-03b**User: **ACY**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:**

		<b><u>Utilization %</u></b>
Ownership Cost/Hour:	\$179.60	NA
Operating Cost/Hour:	\$110.45	100
Ripper own. Cost/Hour:	\$0.00	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$39.46	NA

Total unit Cost/Hour: **\$329.51**Total Fleet Cost/Hour: **\$659.02****MATERIAL QUANTITIES**Initial Volume: **1,295**Swell factor: **1.110**Loose volume: **1,437 LCY**Source of estimated volume: **TR-8**Source of estimated swell factor: **Cat Handbook****HOURLY PRODUCTION**Average push distance: **60 feet**Unadjusted hourly production: **1,246.9 LCY/hr**Materials consistency description: **Compacted fill or embankment 0.9**Average push gradient: **15 %**Average site altitude: **4,532 feet**Material weight: **2,800 lbs/LCY**Weight description: **Clay - Natural bed****Job Condition Correction Factor**

		<b><u>Source</u></b>
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:	0.666	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.2451

Adjusted unit production: 305.62 LCY/hr

Adjusted fleet production: **611.24** LCY/hr

### **JOB TIME AND COST**

Fleet size: 2 Dozer(s)

Unit cost: \$1.078/LCY

Total job time: **2.35** Hours

Total job cost: **\$1,550**

**WHEEL LOADER – LOAD AND CARRY WORK**Task description: **Pond 3 - Transport topsoil**Site: **23 Road Pit**Permit Action: **2025**Permit/Job#: **M1979089****PROJECT IDENTIFICATION**Task #: **03C**State: **Colorado**Abbreviation: **None**Date: **8/5/2025**County: **Mesa**Filename: **M089-03c**User: **ACY**Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Basic Machine: **CAT 972H**Attachment 1: **ROPS Cab**Horsepower: **287**Shift Basis: **1 per day**Data Source: **(CRG)****Cost Breakdown:**

		Utilization %
Ownership Cost/Hour:	\$65.96	NA
Operating Cost/Hour:	\$60.89	100
Operator Cost/Hour:	\$59.52	NA
Total Unit Cost/Hour:	\$186.37	
Total Fleet Cost/Hour:	\$186.37	

**MATERIAL QUANTITIES**Initial volume: **1,295**

CCY

Swell factor: **1.215**Loose volume: **1,573**

LCY

Source of estimated volume: **TR-8**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:	Common ownership of trucks and loaders -0.04	-0.040	(Cat HB)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		-0.050	minutes
Adjusted Basic Cycle Time:		0.475	minutes

**Rolling Resistance – Road Conditions**Haul: **Soft, rutted dirt, no maintenance or water, 4" tire penetration 8.0**Return: **Soft, rutted dirt, no maintenance or water, 4" tire penetration 8.0****Haul and Return Time**

	Length (feet)	Grade Res. (%)	Rolling Res. (%)	Total Res. (%)	Travel Time (minutes)	Source
Haul Route:	1000	0.00	8.00	8.00	1.1616	(Cat HB)
Return Route:	1000	0.00	8.00	8.00	1.0324	(Cat HB)



Total Travel Time: 2.1940 minutes  
 Total Cycle Time: 2.6690 minutes

Load Bucket Capacity

Rated Capacity: 5.60 LCY (heaped)  
 Bucket Fill Factor: 1.100 Other - rock/dirt mixtures (100-120%) 1.100  
 Adjusted Capacity: 6.16 LCY

Job Condition Correction Factors

Site Altitude: 4532 feet

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

Unadjusted Hourly Unit Production: 138.48 LCY/Hour  
 Adjusted Hourly Unit Production: 114.94 LCY/Hour  
 Adjusted Hourly Fleet Production: 114.94 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Loader(s) Total job time: 13.69 Hours  
 Unit cost: \$1.621 /LCY Total job cost: \$2,551

**BULLDOZER WORK**Task description: **Pond 3 - Grade half of transported topsoil**Site: **23 Road Pit**Permit Action: **2025**Permit/Job#: **M1979089****PROJECT IDENTIFICATION**Task #: **03D**State: **Colorado**Abbreviation: **None**Date: **8/5/2025**County: **Mesa**Filename: **M089-03d**User: **ACY**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:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$179.60	NA
Operating Cost/Hour:	\$110.45	100
Ripper own. Cost/Hour:	\$0.00	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$39.46	NA

Total unit Cost/Hour: **\$329.51**Total Fleet Cost/Hour: **\$659.02****MATERIAL QUANTITIES**Initial Volume: **787**Swell factor: **1.000**Loose volume: **787 LCY**Source of estimated volume: **TR-8**Source of estimated swell factor: **Cat Handbook****HOURLY PRODUCTION**Average push distance: **60 feet**Unadjusted hourly production: **1,246.9 LCY/hr**Materials consistency description: **Loose stockpile 1.2**Average push gradient: **0 %**Average site altitude: **4,532 feet**Material weight: **1,600 lbs/LCY**Weight description: **Top Soil****Job Condition Correction Factor**

		<u>Source</u>
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: 1,071.46 LCY/hr

Adjusted fleet production: **2142.92** LCY/hr

### **JOB TIME AND COST**

Fleet size: 2 Dozer(s)

Unit cost: \$0.308/LCY

Total job time: **0.37** Hours

Total job cost: **\$242**

**REVEGETATION WORK**Task description: **Pond 3 - Reveg**Site: **23 Road Pit**Permit Action: 2025Permit/Job#: M1979089**PROJECT IDENTIFICATION**Task #: 03EState: ColoradoAbbreviation: NoneDate: 8/5/2025County: MesaFilename: M089-03eUser: ACYAgency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Potassium nitrate, 13-46-0	250.00	pound	\$0.72	\$179.28
			<b>Total Fertilizer Materials Cost/Acre</b>	<b>\$179.28</b>

**Application**

Description	Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)	\$46.17
<b>Total Fertilizer Application Cost/Acre</b>	<b>\$46.17</b>

**TILLING**

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$114.13
<b>Total Tilling Cost/Acre</b>	<b>\$114.13</b>

**SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Alkali Sacaton	1.00	39.03	\$29.78
Nebraska Sedge	1.00	20.94	\$150.22
Slender Wheatgrass - San Luis	3.00	10.95	\$18.54
Red Top	1.00	114.55	\$10.72
Reedgrass, Canadian (or Blue Joint)	0.50	51.42	\$211.21
Reedgrass, Northern - Native	0.50	51.42	\$81.82
Saltgrass, Inland	1.00	13.86	\$51.03
Timothy - Climax	1.00	28.70	\$4.25
Basin Wildrye - Trailhead	1.50	6.10	\$19.99
<b>Totals Seed Mix</b>	<b>10.50</b>	<b>336.97</b>	<b>\$577.56</b>

**Application**

Description	Cost /Acre
Drill Seeding (DRMS Survey Cost)	\$242.30
<b>Total Seed Application Cost/Acre</b>	<b>\$242.30</b>

**MULCHING and MISCELLANEOUS****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Hay, delivered	2.00	TON	\$504.56	\$1,009.12
Herbicide - 2,4D @ 1.0 pt/ac	2.00	ACRE	\$4.44	\$8.88
Herbicide - Curtail @ 4.0 pt/ac	2.00	ACRE	\$38.14	\$76.27
<b>Total Mulch Materials Cost/Acre</b>				<b>\$1,094.27</b>

**Application**

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$239.35
Power mulcher (MEANS 32 91 13.16 0350)	\$141.57
Weed spray, truck, aquatic area, nox. [DMG]	\$81.67
<b>Total Mulch Application Cost/Acre</b>	<b>\$462.59</b>

**NURSERY STOCK PLANTING**

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
<b>Totals Nursery Stock Cost / Acre</b>					<b>\$0.00</b>

**JOB TIME AND COST**

No. of Acres:	1.6	Cost /Acre:	\$2,716.30
Estimated Failure Rate:	50%	Cost /Acre*:	\$2,490.85
*Selected Replanting Work Items:	TILLING,SEEDING,MULCHING		
Initial Job Cost:	<b>\$4,346.08</b>		
Reseeding Job Cost:	<b>\$1,992.68</b>		
Total Job Cost:	<b>\$6,339</b>		
Job Hours:	<b>2.00</b>		

**REVEGETATION WORK**Task description: Pond 4 - RevegSite: 23 Road PitPermit Action: 2025Permit/Job#: M1979089**PROJECT IDENTIFICATION**Task #: 04EState: ColoradoAbbreviation: NoneDate: 8/5/2025County: MesaFilename: M089-04eUser: ACYAgency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Potassium nitrate, 13-46-0	250.00	pound	\$0.72	\$179.28
			<b>Total Fertilizer Materials Cost/Acre</b>	<b>\$179.28</b>

**Application**

Description	Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)	\$46.17
<b>Total Fertilizer Application Cost/Acre</b>	<b>\$46.17</b>

**TILLING**

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$114.13
<b>Total Tilling Cost/Acre</b>	<b>\$114.13</b>

**SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Alkali Sacaton	1.00	39.03	\$29.78
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Timothy - Climax	1.00	28.70	\$4.25
Basin Wildrye - Trailhead	1.50	6.10	\$19.99
<b>Totals Seed Mix</b>	<b>10.50</b>	<b>336.97</b>	<b>\$577.56</b>

**Application**

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<b>Total Seed Application Cost/Acre</b>	<b>\$242.30</b>

**MULCHING and MISCELLANEOUS****Materials**

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Herbicide - Curtail @ 4.0 pt/ac	2.00	ACRE	\$38.14	\$76.27
<b>Total Mulch Materials Cost/Acre</b>				<b>\$1,094.27</b>

**Application**

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Power mulcher (MEANS 32 91 13.16 0350)	\$141.57
Weed spray, truck, aquatic area, nox. [DMG]	\$81.67
<b>Total Mulch Application Cost/Acre</b>	<b>\$462.59</b>

**NURSERY STOCK PLANTING**

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
<b>Totals Nursery Stock Cost / Acre</b>					<b>\$0.00</b>

**JOB TIME AND COST**

No. of Acres:	7	Cost /Acre:	\$2,716.30
Estimated Failure Rate:	50%	Cost /Acre*:	\$2,490.85
*Selected Replanting Work Items:	TILLING,SEEDING,MULCHING		
Initial Job Cost:	<b>\$19,014.10</b>		
Reseeding Job Cost:	<b>\$8,717.98</b>		
Total Job Cost:	<b>\$27,732</b>		
Job Hours:	<b>2.00</b>		

## BULLDOZER RIPPING WORK

Task description: Decompact stockpile area

Site: 23 Road Pit Permit Action: 2025 Permit/Job#: M1979089

### PROJECT IDENTIFICATION

Task #: 05A State: Colorado Abbreviation: None  
Date: 8/5/2025 County: Mesa Filename: M089-05a  
User: ACY

Agency or organization name: DRMS

### HOURLY EQUIPMENT COST

Basic Machine: Cat D8T - 8SU Horsepower: 310  
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day  
Data Source: (CRG)

#### Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$179.60</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$110.45</u>	<u>100</u>
Ripper Ownership Cost/Hour:	<u>\$15.28</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$9.14</u>	<u>100</u>
Operator Cost/Hour:	<u>\$39.46</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$353.93</u>	
Total Fleet Cost/Hour:	<u>\$707.86</u>	

### MATERIAL QUANTITIES

Selected estimating method: Area

#### Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA  
Area: 25.00 acres Rip Depth (ft): 2.00 Volume: 80,667 BCY or CCY

Source of estimated quantity: TR-8

### HOURLY PRODUCTION

#### Seismic:

Seismic Velocity: NA feet/second

#### Area:

Average Ripping Depth:	<u>2.56</u>	<u>feet/pass</u>
Average Ripping Width:	<u>7.08</u>	<u>feet/pass</u>
Average Ripping Length:	<u>150.00</u>	<u>feet/pass</u>
Average Dozer Speed:	<u>88.00</u>	<u>feet/minute</u>
Average Maneuver Time:	<u>0.25</u>	<u>minutes/pass</u>
Production per unit area:	<u>0.748</u>	<u>acres/hour</u>

#### Job Condition Correction Factors

Unadjusted Hourly Unit Production:	<u>0.748</u>	<u>Acres/hr</u>
Site Altitude:	<u>4,532</u>	<u>feet</u>
Altitude Adj:	<u>1.00</u>	<u>(CAT HB)</u>
Job Efficiency:	<u>0.83</u>	<u>(1 shift/day)</u>
Net Correction:	<u>0.83</u>	<u>multiplier</u>
Adjusted Hourly Unit Production:	<u>0.62</u>	<u>Acres/hr</u>
Adjusted Hourly Fleet Production:	<u>1.24</u>	<u>Acres/hr</u>

### JOB TIME AND COST

Fleet size: 2 Grader(s) Total job time: 20.12 Hours

Unit cost: \$569.767 Per acre Total job cost: \$14,244



**WHEEL LOADER – LOAD AND CARRY WORK**Task description: Transport topsoil of stockpile areaSite: 23 Road PitPermit Action: 2025Permit/Job#: M1979089**PROJECT IDENTIFICATION**Task #: 05BState: ColoradoAbbreviation: NoneDate: 8/5/2025County: MesaFilename: M089-05bUser: ACYAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: CAT 972HAttachment 1: ROPS CabHorsepower: 287Shift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		Utilization %
Ownership Cost/Hour:	\$65.96	NA
Operating Cost/Hour:	\$60.89	100
Operator Cost/Hour:	\$59.52	NA
Total Unit Cost/Hour:	\$186.37	
Total Fleet Cost/Hour:	\$186.37	

**MATERIAL QUANTITIES**Initial volume: 20,170

CCY

Swell factor: 1.215Loose volume: 24,507

LCY

Source of estimated volume: TR-8Source 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:	Common ownership of trucks and loaders -0.04	-0.040	(Cat HB)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		-0.050	minutes
Adjusted Basic Cycle Time:		0.475	minutes

**Rolling Resistance – Road Conditions**Haul: Soft, rutted dirt, no maintenance or water, 4" tire penetration 8.0Return: Soft, rutted dirt, no maintenance or water, 4" tire penetration 8.0**Haul and Return Time**

	Length (feet)	Grade Res. (%)	Rolling Res. (%)	Total Res. (%)	Travel Time (minutes)	Source
Haul Route:	900	0.00	8.00	8.00	1.0454	(Cat HB)
Return Route:	900	0.00	8.00	8.00	0.9292	(Cat HB)

Total Travel Time: 1.9746 minutes  
 Total Cycle Time: 2.4496 minutes

Load Bucket Capacity

Rated Capacity: 5.60 LCY (heaped)  
 Bucket Fill Factor: 1.100 Other - rock/dirt mixtures (100-120%) 1.100  
 Adjusted Capacity: 6.16 LCY

Job Condition Correction Factors

Site Altitude: 4532 feet

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

Unadjusted Hourly Unit Production: 150.88 LCY/Hour  
 Adjusted Hourly Unit Production: 125.23 LCY/Hour  
 Adjusted Hourly Fleet Production: 125.23 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Loader(s) Total job time: 195.69 Hours  
 Unit cost: \$1.488 /LCY Total job cost: \$36,471

**BULLDOZER WORK**Task description: Grade half of transported topsoil for stockpile areaSite: 23 Road PitPermit Action: 2025Permit/Job#: M1979089**PROJECT IDENTIFICATION**Task #: 05CState: ColoradoAbbreviation: NoneDate: 8/5/2025County: MesaFilename: M089-05cUser: ACYAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D8T - 8SUHorsepower: 310Blade Type: Semi-UniversalAttachment: NAShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$179.60	NA
Operating Cost/Hour:	\$110.45	100
Ripper own. Cost/Hour:	\$0.00	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$39.46	NA

Total unit Cost/Hour: \$329.51Total Fleet Cost/Hour: \$659.02**MATERIAL QUANTITIES**Initial Volume: 12,254Swell factor: 1.000Loose volume: 12,254 LCYSource of estimated volume: TR-8Source of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 60 feetUnadjusted hourly production: 1,246.9 LCY/hrMaterials consistency description: Loose stockpile 1.2Average push gradient: 0 %Average site altitude: 4,532 feetMaterial weight: 1,600 lbs/LCYWeight description: Top Soil**Job Condition Correction Factor**

		<u>Source</u>
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: 1,071.46 LCY/hr

Adjusted fleet production: **2142.92** LCY/hr

### **JOB TIME AND COST**

Fleet size: 2 Dozer(s)

Unit cost: \$0.308/LCY

Total job time: **5.72** Hours

Total job cost: **\$3,769**

**REVEGETATION WORK**Task description: Reveg stockpile areaSite: 23 Road PitPermit Action: 2025Permit/Job#: M1979089**PROJECT IDENTIFICATION**Task #: 05DState: ColoradoAbbreviation: NoneDate: 8/5/2025County: MesaFilename: M089-05dUser: ACYAgency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Potassium nitrate, 13-46-0	250.00	pound	\$0.72	\$179.28
			<b>Total Fertilizer Materials Cost/Acre</b>	<b>\$179.28</b>

**Application**

Description	Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)	\$46.17
<b>Total Fertilizer Application Cost/Acre</b>	<b>\$46.17</b>

**TILLING**

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$114.13
<b>Total Tilling Cost/Acre</b>	<b>\$114.13</b>

**SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Paloma	3.12	10.10	\$65.59
Bluebunch Wheatgrass - Secar	3.00	9.64	\$32.29
Canby Bluegrass - Canbar	0.45	9.57	\$6.91
Galleta	0.50	1.83	\$28.38
Western Wheatgrass - Arriba	0.50	1.26	\$4.62
Needle and Thread	0.50	1.32	\$41.69
<b>Totals Seed Mix</b>	<b>8.07</b>	<b>33.71</b>	<b>\$179.49</b>

**Application**

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Description	Cost /Acre
Drill Seeding (DRMS Survey Cost)	\$242.30
<b>Total Seed Application Cost/Acre</b>	<b>\$242.30</b>

## MULCHING and MISCELLANEOUS

## Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Hay, delivered	2.00	TON	\$504.56	\$1,009.12
Herbicide - 2,4D @ 1.0 pt/ac	2.00	ACRE	\$4.44	\$8.88
Herbicide - Curtail @ 4.0 pt/ac	2.00	ACRE	\$38.14	\$76.27
<b>Total Mulch Materials Cost/Acre</b>				<b>\$1,094.27</b>

## Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$239.35
Power mulcher (MEANS 32 91 13.16 0350)	\$141.57
Weed spray, truck, non-aquatic area, nox. [DMG]	\$249.08
<b>Total Mulch Application Cost/Acre</b>	<b>\$630.00</b>

## 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>25</u>	Cost /Acre:	<u>\$2,485.64</u>
Estimated Failure Rate:	<u>50%</u>	Cost /Acre*:	<u>\$2,260.19</u>
*Selected Replanting Work Items:	<u>TILLING,SEEDING,MULCHING</u>		
Initial Job Cost:	<u><b>\$62,141.00</b></u>		
Reseeding Job Cost:	<u><b>\$28,252.38</b></u>		
Total Job Cost:	<u><b>\$90,393</b></u>		
Job Hours:	<u><b>40.00</b></u>		

**REVEGETATION WORK**Task description: Plant treesSite: 23 Road PitPermit Action: 2025Permit/Job#: M1979089**PROJECT IDENTIFICATION**Task #: 06AState: ColoradoAbbreviation: NoneDate: 8/5/2025County: MesaFilename: M089-06aUser: ACYAgency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
			<b>Total Fertilizer Materials Cost/Acre</b>	<b>\$0.00</b>

**Application**

Description	Cost /Acre
	\$
<b>Total Fertilizer Application Cost/Acre</b>	<b>\$0.00</b>

**TILLING**

Description	Cost /Acre
	\$
<b>Total Tilling Cost/Acre</b>	<b>\$0.00</b>

**SEEDING**

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

**Application**

Description	Cost /Acre
	\$

<b>Total Seed Application Cost/Acre</b>	<b>\$0.00</b>
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**MULCHING and MISCELLANEOUS****Materials**

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

**Application**

Description	Cost /Acre
	\$
<b>Total Mulch Application Cost/Acre</b>	<b>\$0.00</b>

**NURSERY STOCK PLANTING**

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
Cottonwood, Plains	30	Container, 5 gallon (MEANS)	\$49.40	\$2.40	\$1,482.00
<b>Totals Nursery Stock Cost / Acre</b>					<b>\$1,482.00</b>

**JOB TIME AND COST**

No. of Acres: <u>1</u>	Cost /Acre: <u>\$1,482.00</u>
Estimated Failure Rate: <u>50%</u>	Cost /Acre*: <u>\$1,482.00</u>
*Selected Replanting Work Items: <u>NURSERY</u>	

Initial Job Cost:	<u><b>\$1,482.00</b></u>
Reseeding Job Cost:	<u><b>\$741.00</b></u>
Total Job Cost:	<u><b>\$2,223</b></u>
Job Hours:	<u><b>30.00</b></u>



## MISCELLANEOUS TRUCK WORK

Task description: Water Trees 2 hrs wkly

Site: 23 Road Pit

Permit Action: 2025

Permit/Job#: M1979089

### PROJECT IDENTIFICATION

Task #: 07B

State: Colorado

Abbreviation: None

Date: 8/5/2025

County: Mesa

Filename: M089-07b

User: ACY

Agency or organization name: DRMS

### HOURLY EQUIPMENT COST

Make and Model: Water Tanker, 2,500 Gal.

Horsepower: 150

Attachment 1: \_\_\_\_\_

Shift Basis: 1 per day

Attachment 2: \_\_\_\_\_

Weight: 5.25

Labor Unit 1: General Laborer

(US Tons)

Labor Unit 2: \_\_\_\_\_

### Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$12.20</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$21.48</u>	<u>100</u>
Operator Cost/Hour:	<u>\$27.87</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$61.55</u>	
Total Fleet Cost/Hour:	<u>\$61.55</u>	

### JOB TIME AND COST

Fleet size: 1 Truck(s)

Total job time: 104.00 Hours

Unit cost: \$61.55 /Hour

Total job cost: \$6,401

**EQUIPMENT MOBILIZATION/DEMOBILIZATION**Task description: **Initial Mobilization**Site: **23 Road Pit**Permit Action: **2025**Permit/Job#: **M1979089****PROJECT IDENTIFICATION**

Task #: **10A** State: **Colorado** Abbreviation: **None**  
 Date: **8/5/2025** County: **Mesa** Filename: **M089-10a**  
 User: **ACY**

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:**

<b>Available Rig Capacities</b>	<b>0-25 Tons</b>	<b>26-50 Tons</b>	<b>51+ Tons</b>
Ownership Cost/Hour:	\$21.47	\$38.32	\$48.96
Operating Cost/Hour:	\$31.47	\$60.11	\$65.86
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52
Helper Cost/Hour:	\$0.00	\$22.25	\$22.25
Total Unit Cost/Hour:	\$75.46	\$143.20	\$159.59

**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
Submersible pump - 460v, 8 in.	0.70	\$10.51	\$75.46	3	\$257.91	\$226.38	\$250.00
Cat 627G w/push- pull	43.48	\$240.49	\$143.20	4	\$1,534.76	\$572.80	\$1,000.00
Cat D8T - 8SU	47.71	\$179.60	\$143.20	2	\$645.60	\$286.40	\$500.00
CAT PS-150C (2004)	5.39	\$118.49	\$75.46	1	\$193.95	\$75.46	\$250.00
CAT 972H	28.00	\$65.96	\$143.20	1	\$209.16	\$143.20	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$5.99	\$75.46	1	\$81.45	\$75.46	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$29.91	\$75.46	1	\$105.37	\$75.46	\$250.00

Subtotals: **\$3,028.20** **\$1,455.16** **\$2,750.00**

**ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Water Tanker, 2,500 Gal.	\$61.55	1	\$61.55	\$61.55
Flatbed Truck, 4x2, 30K GVW	\$76.98	1	\$76.98	\$76.98

Light Duty Pickup, 4x4, 1 T. Crew	\$141.71	1	\$141.71	\$141.71
Subtotals:			<b>\$280.24</b>	<b>\$280.24</b>

**EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region:	GRAND JUNCTION	
Total one-way travel distance:	5.00	miles
Average Travel Speed:	40.00	mph
Total Non-Roadable Mob/Demob Cost *	\$12,677.24	
'* two round trips with haul rig:		
Total Roadable Mob/Demob Cost **	\$70.06	
'** one round trip, no haul rig:		

**Transportation Cycle Time:**

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.13	0.13
Return Time (Hours):	0.13	0.13
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.25	0.25

**JOB TIME AND COST**

Total job time:	<b>2.50</b>	Hours
Total job cost:	<b>\$12,747</b>	

**EQUIPMENT MOBILIZATION/DEMOBILIZATION**Task description: **Secondary Mobilization**Site: **23 Road Pit**Permit Action: 2025Permit/Job#: M1979089**PROJECT IDENTIFICATION**Task #: 10BState: ColoradoAbbreviation: NoneDate: 8/5/2025County: MesaFilename: M089-10bUser: ACYAgency 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:**

<b>Available Rig Capacities</b>	<b>0-25 Tons</b>	<b>26-50 Tons</b>	<b>51+ Tons</b>
Ownership Cost/Hour:	\$21.47	\$38.32	\$48.96
Operating Cost/Hour:	\$31.47	\$60.11	\$65.86
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52
Helper Cost/Hour:	\$0.00	\$22.25	\$22.25
Total Unit Cost/Hour:	\$75.46	\$143.20	\$159.59

**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	\$5.99	\$75.46	1	\$81.45	\$75.46	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$29.91	\$75.46	1	\$105.37	\$75.46	\$250.00

Subtotals: **\$186.82** **\$150.92** **\$500.00****ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Flatbed Truck, 4x2, 30K GVW	\$76.98	1	\$76.98	\$76.98
Light Duty Pickup, 4x4, 1 T. Crew	\$141.71	1	\$141.71	\$141.71

Subtotals: **\$218.69** **\$218.69**

**EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region:	<u>GRAND JUNCTION</u>	
Total one-way travel distance:	<u>5.00</u>	miles
Average Travel Speed:	<u>40.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$1,458.08</u>
** two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	<u>\$54.67</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>1.25</u>	<u>0.25</u>

**JOB TIME AND COST**

Total job time:	<u>2.50</u>	Hours
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Total job cost:	<u>\$1,513</u>
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Update based on 2025 Inspection.

## Changes

Task	Form Used	Description
01a	Demo	<del>Remove Scale 70'x12' haul off site no disposal trade for scrap</del> <del>Demo Scale house 9'x18'x8' and push into Pond 1</del> <del>Remove misc. equipment (not mining related) from areas to be regraded or reveg. Est 20-30 cy haul off site no disposal trade for scrap</del>
02a	Pump	<del>Dewater Pond 2 — 4.6 ac approx. dewatered 6 ft. (47.6 ac.ft)</del> <del>Pump into Pond 3, 100 ft. away, use 3 pumps</del> <del>Recharge from bottom (690,960 sq.ft.) Med porosity</del>
02b	Dozer	<del>Grade approx. 355 LF of 1:1 slopes to 3H:1V at 14' H</del> <del>backfill slopes = 2,425 CCY</del>
02c	Loader	<del>Transport topsoil for Pond 2 veg buffer use 972H</del> <del>1.7 ac @ 6" deep is 1,390 CCY of topsoil</del>
02d	Dozer	<del>Grade half of transported topsoil around Pond 2 = 846 LCY</del>
02e	Reveg	Reveg topsoiled areas around pond 2 = 1.7 ac Riparian mix
03a	Pump	Dewater Pond 3 – 5.6 ac approx. dewatered 10 ft. (56 ac.ft) Pump into Pond 4 or 2, 100 ft. away, use 3 pumps Recharge from bottom (435,600 sq.ft.) Med porosity
03b	Dozer	Grade approx. 485 LF of 2:1 to 3H: 1V at 12' H Backfilled slopes = 1,295 CCY
03c	Loader	Transport topsoil for Pond 3 veg buffer use 972H 1.6 ac @ 6" deep is 1,295 CCY of topsoil
03d	Dozer	Grade half of transported topsoil around Pond 3 = 787 LCY
03e	Reveg	Reveg topsoiled areas around pond 3 = 1.6 ac



		Riparian mix
04a	Pump	<del>Dewater Pond 4—15.8 ac approx. dewatered 8 ft. (126.4 ac.ft) Pump into Pond 3, 100 ft. away, use 3 pumps Recharge from bottom (174,420 sq.ft.) Med porosity</del>
04b	Dozer	<del>Grade approx. 3,830 LF of 2:1 slopes to 3H:1V at 24' H cut/fill slopes = 39,900 BCY</del>
04c	Loader	<del>Transport topsoil for Pond 4 veg buffer 7 ac @ 6" deep is 5,620 CCY of topsoil</del>
04d	Dozer	<del>Grade half of transported topsoil around Pond 4 = 3,141 LCY</del>
04e	Reveg	Reveg topsoiled areas around pond 4 = 7 ac Riparian mix
05a	Ripper	Decompact stockpile areas 25 acres
05b	Loader	Transport topsoil to stockpile areas 25 ac @ 6" deep is 20,170 CCY
05c	Dozer	Grade half of transported topsoil around stockpile area = 12,254 LCY
05d	Reveg	Reveg stockpile area 25 ac with dryland mix
06a	Reveg	Plant container stock of Cottonwoods 30 from TR-7 @ 30 min each
07b	Misc. Truck	Water trees weekly, 2 hr per week for 1 yr per AM-3 Adequacy response
10a	Mob	Initial Mobilization
10b	Mob	Secondary Mobilization
Indirect		Add contingency and Job superintendent costs Total indirect cost is approx. 30% of direct cost

Please feel free to contact me with any further questions. Amy Yeldell at the Division of Reclamation, Mining and Safety, Rm 215, 1001 E 62<sup>nd</sup> Ave, Denver CO 80216. Direct contact can be made by phone at 303-866-3567 Ext 8183 or via email at amy.yeldell@state.co.us

Sincerely,



**Amy Yeldell**  
Environmental Protection Specialist

Ec:  
Travis Marshall, Senior EPS, Grand Junction DRMS