



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

January 9, 2024

Nick Hines  
OWL SWD Operating, LLC  
8201 Preston Rd  
Suite 520  
Dallas, TX 75225

**Re: White River Pit - File No. M-2008-070**  
**OWL SWD Operating, LLC**  
**Surety Increase (SI-1)**  
**Increase based on inspection**

Dear Nick Hines:

On January 9, 2024 the Division of Reclamation, Mining and Safety increased the current Financial Warranty for this permit to \$126,420.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$19,872.41.

Please see the November 30, 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 (January 9, 2024).

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 March 9, 2024, if the amount of any increased Financial Warranty has not been provided.

|                      |              |
|----------------------|--------------|
| Bond Held:           | \$106,548.00 |
| Prior Liability:     | \$106,547.59 |
| Change in Liability: | \$19,872.41  |
| Revised Liability:   | \$126,420.00 |



|                             |       |
|-----------------------------|-------|
| Prior Permit Acreage:       | 14.27 |
| Change in Permit Acreage:   | 0.00  |
| Revised Permit Acreage:     | 14.27 |
| Prior Affected Acreage:     | 14.27 |
| Change in Affected Acreage: | 0.00  |
| Revised Affected Acreage:   | 14.27 |

If you have any questions, please contact me by telephone at (303) 866-3567 x 8183, or by email at Amy.yeldell@state.co.us.

Sincerely,



Amy C. Yeldell  
Environmental Protection Specialist

cc: Doug Wheeler

M-GR-04

## COST SUMMARY WORK

Task description: Updated 11-30-2023 site conditions

Site: White River Pit

Permit Action: 2023-11

Permit/Job#: M2008070

### PROJECT IDENTIFICATION

Task #: ACY

State: Colorado

Abbreviation: None

Date: 12/12/2023

County: Rio Blanco

Filename: M070-ACY

User: ACY

Agency or organization name: DRMS

### TASK LIST (DIRECT COSTS)

| Task                     | Description                                      | Form Used | Fleet Size | Task Hours    | Cost             |
|--------------------------|--|-----------|------------|---------------|------------------|
| 01a                      | Backfill highwall Cell B to 3H:1V Slope          | DOZER     | 1          | 61.22         | \$26,117         |
| 01b                      | Regrade highwalls Cell C to 3H:1V Slope          | DOZER     | 1          | 2.55          | \$1,088          |
| 02a                      | Rip Phase 1 Pit Floor prior to topsoil placement | RIPPER    | 1          | 15.29         | \$6,854          |
| 03a                      | Spread topsoil over Phase 1                      | DOZER     | 1          | 54.48         | \$23,239         |
| 04a                      | Revegetate 13.67 acres of Phase 1                | REVEGE    | 1          | 20.00         | \$26,159         |
| 05a                      | Rip Office/Scale Area prior to topsoil placement | RIPPER    | 1          | 2.30          | \$1,032          |
| 06a                      | Revegetate 1.43 acres of Office/Scale Area       | REVEGE    | 1          | 4.00          | \$2,736          |
| 10a                      | Initial Mobilization                             | MOBILIZE  | 1          | 11.60         | \$9,210          |
| 10b                      | Secondary Mobilization                           | MOBILIZE  | 1          | 11.60         | \$4,359          |
| <b><u>SUBTOTALS:</u></b> |  |           |            | <b>183.04</b> | <b>\$100,794</b> |

### INDIRECT COSTS

#### OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$2,036

Performance bond: 1.05

Total = \$1,058

Job superintendent: 91.52

Total = \$5,956

Profit: 10.00

Total = \$10,079

TOTAL O & P = \$19,130

CONTRACT AMOUNT (direct + O & P) = \$119,924

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

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

Total = \$500

Engineering work and/or contract/bid preparation: 0.00

Total = \$0

Reclamation management and/or administration: 5.00

\$5,996

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$25,626

**TOTAL BOND AMOUNT (direct + indirect) = \$126,420**

**BULLDOZER WORK**Task description: **Backfill highwall Cell B to 3H:1V Slope**Site: **WRC Gravel Pit**Permit Action: **2023-11**Permit/Job#: **M2008070****PROJECT IDENTIFICATION**Task #: **01A**State: **Colorado**Abbreviation: **None**Date: **12/12/2023**County: **Rio Blanco**Filename: **M070-01a**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:   | \$241.38 | NA                   |
| Operating Cost/Hour:   | \$143.92 | 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: **\$426.60**Total Fleet Cost/Hour: **\$426.60****MATERIAL QUANTITIES**Initial Volume: **3,750**Swell factor: **1.125**Loose volume: **4,219 LCY**Source of estimated volume: **300 LF @ 15' H f vert to a 3H: 1V backfill**Source of estimated swell factor: **Cat Handbook****HOURLY PRODUCTION**Average push distance: **250 feet**Unadjusted hourly production: **377.8 LCY/hr**Materials consistency description: **Consolidated stockpile 1.0**Average push gradient: **25 %**Average site altitude: **5,875 feet**Material weight: **2,650 lbs/LCY**Weight description: **Decomposed rock - 25% Rock, 75% Earth****Job Condition Correction Factor**

|                       |       | <u>Source</u> |
|-----------------------|-------|---------------|
| Operator Skill:       | 0.750 | (AVG.)        |
| Material consistency: | 1.000 | (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:   | 0.422 | (CAT HB)      |
| Altitude:        | 1.000 | (CAT HB)      |
| Material Weight: | 0.868 | (CAT HB)      |
| Blade type:      | 1.000 | (PAT)         |

Net correction: 0.1824

Adjusted unit production: 68.91 LCY/hr

Adjusted fleet production: **68.91** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$6.191/LCY

Total job time: **61.22** Hours

Total job cost: **\$26,117**

**BULLDOZER WORK**Task description: **Regrade highwalls Cell C to 3H:1V Slope**Site: **WRC Gravel Pit**Permit Action: 2023-11Permit/Job#: M2008070**PROJECT IDENTIFICATION**Task #: 01BState: ColoradoAbbreviation: NoneDate: 12/12/2023County: Rio BlancoFilename: M070-01bUser: 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:   | \$241.38 | NA                   |
| Operating Cost/Hour:   | \$143.92 | 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: \$426.60Total Fleet Cost/Hour: **\$426.60****MATERIAL QUANTITIES**Initial Volume: 1,111Swell factor: 1.250Loose volume: **1,389 LCY**Source of estimated volume: Staff estimatesSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 50 feetUnadjusted hourly production: 1,400.0 LCY/hrMaterials consistency description: Compacted fill or embankment 0.9Average push gradient: 0 %Average site altitude: 5,875 feetMaterial weight: 2,650 lbs/LCYWeight description: Decomposed rock - 25% Rock, 75% Earth**Job Condition Correction Factor**

|                       |       | <u>Source</u> |
|-----------------------|-------|---------------|
| 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: | 0.868 | (CAT HB)      |
| Blade type:      | 1.000 | (PAT)         |

Net correction: 0.3890

Adjusted unit production: 544.60 LCY/hr

Adjusted fleet production: **544.6** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$0.783/LCY

Total job time: **2.55** Hours

Total job cost: **\$1,088**

## BULLDOZER RIPPING WORK

Task description: Rip Phase 1 Pit Floor prior to topsoil placement

Site: WRC Gravel Pit

Permit Action: 2023-11

Permit/Job#: M2008070

### PROJECT IDENTIFICATION

Task #: 02A

State: Colorado

Abbreviation: None

Date: 12/12/2023

County: Rio Blanco

Filename: M070-02a

User: ACY

Agency or organization name: DRMS

### HOURLY EQUIPMENT COST

Basic Machine: Cat D8T - 8SU  
Ripper Attachment: 3-Shank Ripper

Horsepower: 310

Shift Basis: 1 per day

Data Source: (CRG)

#### Cost Breakdown:

|                             |                 | Utilization % |
|-----------------------------|-----------------|---------------|
| Ownership Cost/Hour:        | \$241.38        | NA            |
| Operating Cost/Hour:        | \$143.92        | 100           |
| Ripper Ownership Cost/Hour: | \$14.11         | NA            |
| Ripper Operating Cost/Hour: | \$7.45          | 100           |
| Operator Cost/Hour:         | \$41.30         | NA            |
| Total Unit Cost/Hour:       | \$448.16        |               |
| Total Fleet Cost/Hour:      | <b>\$448.16</b> |               |

### MATERIAL QUANTITIES

Selected estimating method: Area

#### Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA  
Area: 9.50 acres Rip Depth (ft): 2.00 Volume: 30,653 BCY or CCY

Source of estimated quantity: Staff estimates

### HOURLY PRODUCTION

#### Seismic:

Seismic Velocity: NA feet/second

#### Area:

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

#### Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.748 Acres/hr  
Site Altitude: 5,875 feet  
Altitude Adj: 1.00 (CAT HB)  
Job Efficiency: 0.83 (1 shift/day)  
Net Correction: 0.83 multiplier

Adjusted Hourly Unit Production: 0.62 Acres/hr  
Adjusted Hourly Fleet Production: **0.62** Acres/hr

### JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: **15.29** Hours

Unit cost: \$721.461 Per acre Total job cost: **\$6,854**



**BULLDOZER WORK**Task description: **Spread topsoil over Phase 1**Site: **WRC Gravel Pit** Permit Action: 2023-11 Permit/Job#: M2008070**PROJECT IDENTIFICATION**

Task #: 03A State: Colorado Abbreviation: None  
 Date: 12/12/2023 County: Rio Blanco Filename: M070-03a  
 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:   | <u>\$241.38</u> | <u>NA</u>            |
| Operating Cost/Hour:   | <u>\$143.92</u> | <u>100</u>           |
| Ripper own. Cost/Hour: | <u>\$0.00</u>   | <u>NA</u>            |
| Ripper op. Cost/Hour:  | <u>\$0.00</u>   | <u>0</u>             |
| Operator Cost/Hour:    | <u>\$41.30</u>  | <u>NA</u>            |

Total unit Cost/Hour: \$426.60  
 Total Fleet Cost/Hour: **\$426.60**

**MATERIAL QUANTITIES**

Initial Volume: 11,100  
 Swell factor: 1.215  
 Loose volume: **13,487 LCY**

Source of estimated volume: 13.67 ac @ 6" D  
 Source of estimated swell factor: Cat Handbook

**HOURLY PRODUCTION**

Average push distance: 150 feet  
 Unadjusted hourly production: 634.3 LCY/hr

Materials consistency description: Consolidated stockpile 1.0

Average push gradient: 20 %  
 Average site altitude: 5,875 feet

Material weight: 1,600 lbs/LCYWeight description: Top Soil**Job Condition Correction Factor**

|                       |              | <u>Source</u>   |
|-----------------------|--------------|-----------------|
| Operator Skill:       | <u>0.750</u> | <u>(AVG.)</u>   |
| Material consistency: | <u>1.000</u> | <u>(CAT HB)</u> |
| Dozing method:        | <u>1.000</u> | <u>(GEN.)</u>   |
| Visibility:           | <u>1.000</u> | <u>(AVG.)</u>   |

|                  |       |               |
|------------------|-------|---------------|
| Job efficiency:  | 0.830 | (1 SHIFT/DAY) |
| Spoil pile:      | 0.800 | (FND-RF)      |
| Push gradient:   | 0.545 | (CAT HB)      |
| Altitude:        | 1.000 | (CAT HB)      |
| Material Weight: | 1.438 | (CAT HB)      |
| Blade type:      | 1.000 | (PAT)         |

Net correction: 0.3903

Adjusted unit production: 247.57 LCY/hr

Adjusted fleet production: **247.57** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$1.723/LCY

Total job time: **54.48** Hours

Total job cost: **\$23,239**

**REVEGETATION WORK**Task description: Revegetate 13.67 acres of Phase 1Site: WRC Gravel PitPermit Action: 2023-11Permit/Job#: M2008070**PROJECT IDENTIFICATION**Task #: 04AState: ColoradoAbbreviation: NoneDate: 12/12/2023County: Rio BlancoFilename: M070-04aUser: ACYAgency or organization name: DRMS**FERTILIZING****Materials**

| Description | Units /<br>Acre | Unit | Cost / Unit   | Cost /Acre    |
|-------------|-----------------|------|---|---------------|
|             |                 |      | \$  | \$            |
|             |                 |      | <b>Total Fertilizer<br/>Materials<br/>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      |
|--|-----------------|
| Disc harrowing, 6" deep (MEANS 32 91 13.23 6100) | \$112.82        |
| <b>Total Tilling Cost/Acre</b>                   | <b>\$112.82</b> |

**SEEDING**

| Seed Mix                      | Rate –<br>PLS<br>LBS /<br>Acre | Seeds<br>per SQ.<br>FT | Cost /Acre |
|-------------------------------|--------------------------------|------------------------|------------|
| Indian Ricegrass - Nespar     | 0.90                           | 2.91                   | \$7.99     |
| Bluebunch Wheatgrass - Secar  | 1.50                           | 4.82                   | \$16.31    |
| Bottlebrush Squirreltail      | 0.50                           | 2.20                   | \$8.11     |
| Sandberg Bluegrass - VNS      | 0.80                           | 16.99                  | \$6.72     |
| Streambank Wheatgrass - Sodar | 0.60                           | 1.96                   | \$3.42     |
| Rabbitbrush, Rubber           | 0.01                           | 0.15                   | \$0.64     |
| Western Wheatgrass - Rosanna  | 2.00                           | 5.05                   | \$11.50    |
| Sagebrush, Wyoming Big        | 0.01                           | 0.59                   | \$0.23     |
| Saltbush, Four Wing           | 0.20                           | 0.28                   | \$2.50     |
|                               |                                |                        |            |

|                        |      |       |                |
|------------------------|------|-------|----------------|
| <b>Totals Seed Mix</b> | 6.52 | 34.95 | <b>\$57.43</b> |
|------------------------|------|-------|----------------|

**Application**

| <b>Description</b>                      | <b>Cost /Acre</b> |
|---|-------------------|
| Drill Seeding (DRMS Survey Cost)        | \$232.00          |
| <b>Total Seed Application Cost/Acre</b> | <b>\$232.00</b>   |

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

| <b>Description</b>                        | <b>Units /<br/>Acre</b> | <b>Unit</b> | <b>Cost / Unit</b> | <b>Cost /Acre</b> |
|---|-------------------------|-------------|--------------------|-------------------|
| Herbicide - Curtail @ 4.0 pt/ac           | 1.00                    | ACRE        | \$35.09            | \$35.09           |
| Straw, delivered {MEANS 31 25 14.16 1200} | 1.50                    | TON         | \$429.79           | \$644.68          |
| <b>Total Mulch Materials Cost/Acre</b>    |                         |             |                    | <b>\$679.77</b>   |

**Application**

| <b>Description</b>                              | <b>Cost /Acre</b> |
|---|-------------------|
| Crimping, with tractor {DMG survey data}        | \$74.46           |
| Power mulcher (MEANS 32 91 13.16 0350)          | \$147.67          |
| Weed spray, truck, non-aquatic area, nox. [DMG] | \$62.72           |
| <b>Total Mulch Application Cost/Acre</b>        | <b>\$284.85</b>   |

**NURSERY STOCK PLANTING**

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

**JOB TIME AND COST**

No. of Acres: 13.67                      Cost /Acre: \$1,366.87  
 Estimated Failure Rate: 40%                      Cost /Acre\*: \$1,366.87  
 \*Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: **\$18,685.11**  
 Reseeding Job Cost: **\$7,474.05**  
 Total Job Cost: **\$26,159**  
 Job Hours: **20.00**

## BULLDOZER RIPPING WORK

Task description: Rip Office/Scale Area prior to topsoil placement

Site: WRC Gravel Pit Permit Action: 2023-11 Permit/Job#: M2008070

### PROJECT IDENTIFICATION

Task #: 05A State: Colorado Abbreviation: None  
Date: 12/12/2023 County: Rio Blanco Filename: M070-05a  
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:        | \$241.38        | NA            |
| Operating Cost/Hour:        | \$143.92        | 100           |
| Ripper Ownership Cost/Hour: | \$14.11         | NA            |
| Ripper Operating Cost/Hour: | \$7.45          | 100           |
| Operator Cost/Hour:         | \$41.30         | NA            |
| Total Unit Cost/Hour:       | \$448.16        |               |
| Total Fleet Cost/Hour:      | <b>\$448.16</b> |               |

### MATERIAL QUANTITIES

Selected estimating method: Area

#### Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA  
Area: 1.43 acres Rip Depth (ft): 2.00 Volume: 4,614 BCY or CCY

Source of estimated quantity: Staff estimates

### HOURLY PRODUCTION

#### Seismic:

Seismic Velocity: NA feet/second

#### Area:

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

#### Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.748 Acres/hr  
Site Altitude: 5,875 feet  
Altitude Adj: 1.00 (CAT HB)  
Job Efficiency: 0.83 (1 shift/day)  
Net Correction: 0.83 multiplier

Adjusted Hourly Unit Production: 0.62 Acres/hr  
Adjusted Hourly Fleet Production: **0.62** Acres/hr

### JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: **2.30** Hours

Unit cost: \$721.461 Per acre Total job cost: **\$1,032**

**REVEGETATION WORK**Task description: Revegetate 1.43 acres of Office/Scale AreaSite: WRC Gravel PitPermit Action: 2023-11Permit/Job#: M2008070**PROJECT IDENTIFICATION**Task #: 06AState: ColoradoAbbreviation: NoneDate: 12/12/2023County: Rio BlancoFilename: M070-06aUser: ACYAgency or organization name: DRMS**FERTILIZING****Materials**

| Description | Units /<br>Acre | Unit | Cost / Unit   | Cost /Acre    |
|-------------|-----------------|------|---|---------------|
|             |                 |      | \$  | \$            |
|             |                 |      | <b>Total Fertilizer<br/>Materials<br/>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      |
|--|-----------------|
| Disc harrowing, 6" deep (MEANS 32 91 13.23 6100) | \$112.82        |
| <b>Total Tilling Cost/Acre</b>                   | <b>\$112.82</b> |

**SEEDING**

| Seed Mix                      | Rate –<br>PLS<br>LBS /<br>Acre | Seeds<br>per SQ.<br>FT | Cost /Acre |
|-------------------------------|--------------------------------|------------------------|------------|
| Indian Ricegrass - Nespar     | 0.90                           | 2.91                   | \$7.99     |
| Bluebunch Wheatgrass - Secar  | 1.50                           | 4.82                   | \$16.31    |
| Bottlebrush Squirreltail      | 0.50                           | 2.20                   | \$8.11     |
| Sandberg Bluegrass - VNS      | 0.80                           | 16.99                  | \$6.72     |
| Streambank Wheatgrass - Sodar | 0.60                           | 1.96                   | \$3.42     |
| Rabbitbrush, Rubber           | 0.01                           | 0.15                   | \$0.64     |
| Western Wheatgrass - Rosanna  | 2.00                           | 5.05                   | \$11.50    |
| Sagebrush, Wyoming Big        | 0.01                           | 0.59                   | \$0.23     |
| Saltbush, Four Wing           | 0.20                           | 0.28                   | \$2.50     |
|                               |                                |                        |            |

|                        |      |       |                |
|------------------------|------|-------|----------------|
| <b>Totals Seed Mix</b> | 6.52 | 34.95 | <b>\$57.43</b> |
|------------------------|------|-------|----------------|

**Application**

| <b>Description</b>                      | <b>Cost /Acre</b> |
|---|-------------------|
| Drill Seeding (DRMS Survey Cost)        | \$232.00          |
| <b>Total Seed Application Cost/Acre</b> | <b>\$232.00</b>   |

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

| <b>Description</b>                        | <b>Units /<br/>Acre</b> | <b>Unit</b> | <b>Cost / Unit</b> | <b>Cost /Acre</b> |
|---|-------------------------|-------------|--------------------|-------------------|
| Herbicide - Curtail @ 4.0 pt/ac           | 1.00                    | ACRE        | \$35.09            | \$35.09           |
| Straw, delivered {MEANS 31 25 14.16 1200} | 1.50                    | TON         | \$429.79           | \$644.68          |
| <b>Total Mulch Materials Cost/Acre</b>    |                         |             |                    | <b>\$679.77</b>   |

**Application**

| <b>Description</b>                              | <b>Cost /Acre</b> |
|---|-------------------|
| Crimping, with tractor {DMG survey data}        | \$74.46           |
| Power mulcher (MEANS 32 91 13.16 0350)          | \$147.67          |
| Weed spray, truck, non-aquatic area, nox. [DMG] | \$62.72           |
| <b>Total Mulch Application Cost/Acre</b>        | <b>\$284.85</b>   |

**NURSERY STOCK PLANTING**

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

**JOB TIME AND COST**

No. of Acres: 1.43                      Cost /Acre: \$1,366.87  
 Estimated Failure Rate: 40%                      Cost /Acre\*: \$1,366.87  
 \*Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: **\$1,954.62**  
 Reseeding Job Cost: **\$781.85**  
 Total Job Cost: **\$2,736**  
 Job Hours: **4.00**

**EQUIPMENT MOBILIZATION/DEMOBILIZATION**Task description: **Initial Mobilization**Site: **WRC Gravel Pit**Permit Action: **2023-11**Permit/Job#: **M2008070****PROJECT IDENTIFICATION**Task #: **10A**State: **Colorado**Abbreviation: **None**Date: **12/12/2023**County: **Rio Blanco**Filename: **M070-10a**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:            | \$20.26          | \$36.04           | \$47.05         |
| Operating Cost/Hour:            | \$39.51          | \$76.08           | \$82.85         |
| Operator Cost/Hour:             | \$22.52          | \$22.52           | \$22.52         |
| Helper Cost/Hour:               | \$0.00           | \$23.53           | \$23.53         |
| Total Unit Cost/Hour:           | \$82.29          | \$158.17          | \$175.95        |

**NON ROADABLE EQUIPMENT:**

| Machine Description                       | Weight/<br>Unit<br>(TONS) | Owner ship<br>Cost/hr/ unit | Haul Rig<br>Cost/hr/unit | Fleet<br>Size | Haul Trip<br>Cost/hr/<br>fleet | Return Trip<br>Cost/hr/ fleet | DOT Permit<br>Cost/ fleet |
|---|---------------------------|-----------------------------|--------------------------|---------------|--------------------------------|-------------------------------|---------------------------|
| Cat D8T - 8SU                             | 53.08                     | \$255.49                    | \$175.95                 | 1             | \$431.44                       | \$175.95                      | \$250.00                  |
| Drill/Broadcast<br>Seeder with<br>Tractor | 25.00                     | \$6.73                      | \$82.29                  | 1             | \$89.02                        | \$82.29                       | \$250.00                  |
| Power Mulcher<br>(Bowie LD-90)            | 6.00                      | \$25.94                     | \$82.29                  | 1             | \$108.23                       | \$82.29                       | \$250.00                  |

Subtotals: **\$628.69** **\$340.53** **\$750.00****ROADABLE EQUIPMENT:**

| Machine Description                  | Total Cost/hr/<br>unit | Fleet Size | Haul Trip<br>Cost/hr/ fleet | Return Trip<br>Cost/hr/ fleet |
|--------------------------------------|------------------------|------------|-----------------------------|-------------------------------|
| Light Duty Pickup, 4x4, 1 T.<br>Crew | \$127.92               | 2          | \$255.84                    | \$255.84                      |
| Water Tanker, 2,500 Gal.             | \$55.39                | 1          | \$55.39                     | \$55.39                       |
| Flatbed Truck, 4x2, 30K GVW          | \$63.90                | 1          | \$63.90                     | \$63.90                       |

Subtotals: **\$375.13** **\$375.13**



**EQUIPMENT HAUL DISTANCE and Time**

|  |                       |       |
|--|-----------------------|-------|
| Nearest Major City or Town within project area region: | <u>GRAND JUNCTION</u> |       |
| Total one-way travel distance:                         | <u>120.00</u>         | miles |
| Average Travel Speed:                                  | <u>50.00</u>          | mph   |

|                                     |                   |
|-------------------------------------|-------------------|
| Total Non-Roadable Mob/Demob Cost * | <u>\$7,409.64</u> |
| ** two round trips with haul rig:   |                   |
| Total Roadable Mob/Demob Cost **    | <u>\$1,800.62</u> |
| ** one round trip, no haul rig:     |                   |

**Transportation Cycle Time:**

|                         | Non-Roadable Equipment | Roadable Equipment |
|-------------------------|------------------------|--------------------|
| Haul Time (Hours):      | <u>2.40</u>            | <u>2.40</u>        |
| Return Time (Hours):    | <u>2.40</u>            | <u>2.40</u>        |
| Loading Time (Hours):   | <u>0.50</u>            | <u>NA</u>          |
| Unloading Time (Hours): | <u>0.50</u>            | <u>NA</u>          |
| Subtotals:              | <u>5.80</u>            | <u>4.80</u>        |

**JOB TIME AND COST**

|                 |              |       |
|-----------------|--------------|-------|
| Total job time: | <u>11.60</u> | Hours |
|-----------------|--------------|-------|

|                 |                |
|-----------------|----------------|
| Total job cost: | <u>\$9,210</u> |
|-----------------|----------------|

**EQUIPMENT MOBILIZATION/DEMOBILIZATION**Task description: Secondary MobilizationSite: WRC Gravel PitPermit Action: 2023-11Permit/Job#: M2008070**PROJECT IDENTIFICATION**Task #: 10BState: ColoradoAbbreviation: NoneDate: 12/12/2023County: Rio BlancoFilename: M070-10bUser: 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:            | \$20.26          | \$36.04           | \$47.05         |
| Operating Cost/Hour:            | \$39.51          | \$76.08           | \$82.85         |
| Operator Cost/Hour:             | \$22.52          | \$22.52           | \$22.52         |
| Helper Cost/Hour:               | \$0.00           | \$23.53           | \$23.53         |
| Total Unit Cost/Hour:           | \$82.29          | \$158.17          | \$175.95        |

**NON ROADABLE EQUIPMENT:**

| Machine Description                       | Weight/<br>Unit<br>(TONS) | Owner ship<br>Cost/hr/ unit | Haul Rig<br>Cost/hr/unit | Fleet<br>Size | Haul Trip<br>Cost/hr/<br>fleet | Return Trip<br>Cost/hr/ fleet | DOT Permit<br>Cost/ fleet |
|---|---------------------------|-----------------------------|--------------------------|---------------|--------------------------------|-------------------------------|---------------------------|
| Drill/Broadcast<br>Seeder with<br>Tractor | 25.00                     | \$6.73                      | \$82.29                  | 1             | \$89.02                        | \$82.29                       | \$250.00                  |
| Power Mulcher<br>(Bowie LD-90)            | 6.00                      | \$25.94                     | \$82.29                  | 1             | \$108.23                       | \$82.29                       | \$250.00                  |

Subtotals: **\$197.25** **\$164.58** **\$500.00****ROADABLE EQUIPMENT:**

| Machine Description                  | Total Cost/hr/<br>unit | Fleet Size | Haul Trip<br>Cost/hr/ fleet | Return Trip<br>Cost/hr/ fleet |
|--------------------------------------|------------------------|------------|-----------------------------|-------------------------------|
| Light Duty Pickup, 4x4, 1 T.<br>Crew | \$127.92               | 2          | \$255.84                    | \$255.84                      |

Subtotals: **\$255.84** **\$255.84**

**EQUIPMENT HAUL DISTANCE and Time**

|  |                       |       |
|--|-----------------------|-------|
| Nearest Major City or Town within project area region: | <u>GRAND JUNCTION</u> |       |
| Total one-way travel distance:                         | <u>120.00</u>         | miles |
| Average Travel Speed:                                  | <u>50.00</u>          | mph   |

|                                     |                   |
|-------------------------------------|-------------------|
| Total Non-Roadable Mob/Demob Cost * | <u>\$3,131.28</u> |
| ** two round trips with haul rig:   |                   |
| Total Roadable Mob/Demob Cost **    | <u>\$1,228.03</u> |
| ** one round trip, no haul rig:     |                   |

**Transportation Cycle Time:**

|                         | Non-Roadable Equipment | Roadable Equipment |
|-------------------------|------------------------|--------------------|
| Haul Time (Hours):      | <u>2.40</u>            | <u>2.40</u>        |
| Return Time (Hours):    | <u>2.40</u>            | <u>2.40</u>        |
| Loading Time (Hours):   | <u>0.50</u>            | <u>NA</u>          |
| Unloading Time (Hours): | <u>0.50</u>            | <u>NA</u>          |
| Subtotals:              | <u>5.80</u>            | <u>4.80</u>        |

**JOB TIME AND COST**

Total job time: 11.60 Hours

Total job cost: \$4,359



December 12, 2023

David Grounds  
OWL SWD Operating, LLC  
David.Grounds@pilotwater.com

***RE: White River Pit, Permit No. M-2008-070, Reclamation Cost Estimate***

Dear Mr. Grounds:

This reclamation cost update was in response to the site inspection conducted on November 30, 2023. It is Division policy to periodically update its costs to ensure that the Financial Warranty adequately, reflects the actual current cost of fulfilling the requirements of the approved reclamation plan.

The bond was last recalculated in 2013 with AM-1. Below is a table summarizing input values. Changes from the 2018 calculation are in red. This table does not account for price changes resulting from inflation or other RS Means cost changes. Bond calculations are based on a combination of field observations and worst case scenario based on the approved reclamation plan.

**Assumptions:**

- Post AR-2 site is 20.77 ac w/ Access road is 5.67 ac, Parking office is 1.43 ac, Phase 1 is 13.67 ac
- All slopes go to a 3H: 1V or less
- No topsoil has been replaced to date.

| Task | Form Used | Description  |
|------|-----------|--|
| 01a  | Dozer     | Backfill west highwall of Cell B<br>300 LF @ 15' H f vert to a 3H: 1V backfill = 3,750 CCY Excess material located within 250' away                    |
| 01b  | Dozer     | Highwall Grading misc. in Cell C = 1,111 BCY<br>800 LF @ 10'H 1H: 1V to 3H: 1V cut/fill = 741 BCY,<br>400 LF @ 5'H 1H: 1V to 3H: 1V backfill = 370 CCY |
| 02a  | Ripper    | Decompact pit floor 9.5 ac   |



|          |        |   |
|----------|--------|---|
| 03a      | Dozer  | Spread topsoil on Phase 1 – 6" over 13.67 ac = 11,100 CCY |
| 04a      | Reveg  | Reveg @ 13.67 ac  |
| 05a      | Ripper | Decompact office/scale area @ 1.43 ac                     |
| 06a      | Reveg  | Reveg office/scale area @ 1.43 ac                         |
| 10a      | Mob    | Initial Mobilization                                      |
| 10b      | Mob    | Secondary Mobilization                                    |
| Indirect |        | Add in Division's standard indirect cost approx. 28%      |

Per policy I wanted to send this out for review prior to issuance. Please look it over and let me know if there are errors or concerns. If no response is received by Monday, February 12, 2024 then I'll issue SI-1 as is. SI-1 will result in a total required bond amount of \$126,419, which is an increase of \$19,871 over the \$106,548.00 currently held.

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