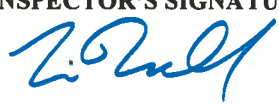


**COLORADO**Division of Reclamation,
Mining and Safety

Department of Natural Resources

MINERALS PROGRAM INSPECTION REPORT**PHONE: (303) 866-3567**

The Division of Reclamation, Mining and Safety has conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.

MINE NAME: Hidden Valley Gravel Pit	MINE/PROSPECTING ID#: M-1998-024	MINERAL: Sand and gravel	COUNTY: Eagle
INSPECTION TYPE: Monitoring	INSPECTOR(S): Travis H. Marshall	INSP. DATE: April 11, 2017	INSP. TIME: 12:30
OPERATOR: Oldcastle SW Group, Inc. dba B & B Excavat	OPERATOR REPRESENTATIVE: Chip Bair	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program		BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$99,000.00
DATE OF COMPLAINT: NA		POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
WEATHER: Clear	INSPECTOR'S SIGNATURE: 		SIGNATURE DATE: April 17, 2017

The following inspection topics were identified as having Problems or Possible Violations. OPERATORS SHOULD READ THE FOLLOWING PAGES CAREFULLY IN ORDER TO ASSURE COMPLIANCE WITH THE TERMS OF THE PERMIT AND APPLICABLE RULES AND REGULATIONS. If a Possible Violation is indicated, you will be notified under separate cover as to when the Mined Land Reclamation Board will consider possible enforcement action.

INSPECTION TOPIC: Financial Warranty

PROBLEM/POSSIBLE VIOLATION: Problem: The financial warranty is not adequate to reclaim the site in accordance with the approved reclamation plan. This is a failure to maintain the proper financial warranty amount to complete reclamation of the affected lands pursuant to C.R.S. 34-32.5-117(4)(b) of the Act.

CORRECTIVE ACTIONS: The operator shall submit adequate financial warranty, as determined by the Division. The Division will be sending a separate surety increase notice to the operator regarding the increase of the financial warranty. The operator will have 60 days from the date on the surety increase notice to post the additional financial warranty.

CORRECTIVE ACTION DUE DATE: 6/16/17

OBSERVATIONS

This inspection was conducted as part of the normal monitoring program established by the Colorado Division of Reclamation, Mining and Safety. The Hidden Valley Pit is located 4 miles north of the Dotsero exit off of the Upper Colorado River Road. The site is a 112c operation that is a total of 183.6 acres. Chip Bair of B&B Excavating accompanied the inspector during the inspection.

The mine identification sign and the affected area boundary markers are in place and in compliance with rule 3.1.12.

The pit was inactive during the inspection due to the market within the general vicinity of the mine site. Various stockpiles of processed construction materials along with rip rap boulders were observed during the inspection.

No noxious weeds were observed during the inspection.

No off-site damage or possible violations were observed during the inspection.

In an effort to ensure that the financial warranty remains adequate to reclaim the site per the requirements of the approved reclamation plan, DRMS has recalculated the reclamation cost estimate (copy enclosed). Therefore pursuant to Sections 34-32.5-117(4) of the Colorado Land Reclamation Act, adequate financial warranty must be submitted to the DRMS within 60 days of the mailing date of this inspection. If you have any questions regarding placement of the additional required financial warranty please contact Barbara Coria at (303) 866-3567 ext. 8148.

Photos that show the conditions observed during the inspection are included at the end of this report.

Responses to this inspection report should be directed to Travis Marshall at the Division of Reclamation, Mining and Safety, Grand Junction Field Office, 101 South 3rd Street, Room 301, Grand Junction, Colorado 81501, phone no. 970-241-2042.

PHOTOGRAPHS



GENERAL INSPECTION TOPICS

The following list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each

(AR) RECORDS----- <u>Y</u>	(FN) FINANCIAL WARRANTY----- <u>PB</u>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>NA</u>
(PW) PROCESSING WASTE/TAILING---- <u>NA</u>	(SF) PROCESSING FACILITIES----- <u>Y</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>Y</u>	(RV) REVEGETATION---- <u>Y</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>NA</u>	(CI) COMPLETE INSP---- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>NA</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>Y</u>	(OD) OFF-SITE DAMAGE----- <u>Y</u>	(ST) STIPULATIONS----- <u>NA</u>

Y = Inspected and found in compliance / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

Inspection Contact Address

Chip Bair
Oldcastle SW Group, Inc. dba B & B Excavating
P.O. Box 4870
Eagle, CO 81631

Enclosure - Reclamation Cost Update

COST SUMMARY WORK

Task description: Reclamation Cost Update

Site: Hidden Valley Gravel Pit

Permit Action: SI-03

Permit/Job#: M1998024

PROJECT IDENTIFICATION

Task #: 001

State: Colorado

Abbreviation: None

Date: 4/17/2017

County: Eagle

Filename: M024-001

User: THM

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Demo scale and office building	DEMOLISH	1	40.00	\$1,504.18
02a	High wall reduction	DOZER	1	27.92	\$4,552.00
03a	Rip/grade pit floor and access roads	RIPPER	1	38.10	\$6,776.00
04a	Distribute topsoil over 30 acre disturbed area	SCRAPER1	1	77.03	\$40,055.00
05a	Distribute topsoil over disturbed area	DOZER	1	40.39	\$6,586.00
06a	Revegetate slopes with dry mix	REVEGE	1	16.00	\$5,758.00
06b	Revegetate pasture	REVEGE	1	40.00	\$56,669.00
07a	Mobilize reclamation crew and equipment	MOBILIZE	1	3.60	\$3,205.00
<u>SUBTOTALS:</u>				283.04	\$125,105

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$2,527.12

Performance bond: 1.05

Total = \$1,313.60

Job superintendent: 141.52

Total = \$10,338.04

Profit: 10.00

Total = \$12,510.50

TOTAL O & P = \$26,689.26

CONTRACT AMOUNT (direct + O & P) = \$151,794.26

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): 500.00

Total = 500.00

Engineering work and/or contract/bid preparation: 0.00

Total = \$0.00

Reclamation management and/or administration: 5.00

\$7,589.71

CONTINGENCY: 3.00

Total = \$3,753.15

TOTAL INDIRECT COST = \$38,532.12

TOTAL BOND AMOUNT (direct + indirect) = \$163,637.12

DEMOLITION WORK

Task description: Demo scale and office building

Site: Hidden Valley Gravel Pit

Permit Action: SI-03

Permit/Job#: M1998024

PROJECT IDENTIFICATION

Task #: 01A

State: Colorado

Abbreviation: None

Date: 4/17/2017

County: Eagle

Filename: 01a

User: THM

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 102.20 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Scale concrete slabs	15W x 20L x 2'	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	600.00	SF	\$1.19	\$715.80
Scale house	40' x 10' x 10'	Bldg. (SN) demo./on-site disposal in excavated pit - Max. 50 ft. push	4,000.00	CF	\$0.19	\$756.00

Job Hours: 40.00

Subtotal
(unadjusted): \$1,471.80

Total Cost
(adjusted for location): \$1,504.18

BULLDOZER WORKTask description: Highwall reductionSite: Hidden Valley Gravel PitPermit Action: SI-03Permit/Job#: M1998024**PROJECT IDENTIFICATION**Task #: 02AState: ColoradoAbbreviation: NoneDate: 4/17/2017County: EagleFilename: 02aUser: THMAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: OBSOLETE-Cat D8T - 8UHorsepower: 305Blade Type: UniversalAttachment: NAShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$52.86	NA
Operating Cost/Hour:	\$68.35	100
Ripper own. Cost/Hour:	\$0.00	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.85	NA

Total unit Cost/Hour: \$163.06Total Fleet Cost/Hour: \$163.06**MATERIAL QUANTITIES**Initial Volume: 19,097Swell factor: 1.124Loose volume: 21,457 LCYSource of estimated volume: Onsite observations/cut and fillSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 50 feetUnadjusted hourly production: 1,627.0 LCY/hrMaterials consistency description: Compacted fill or embankment 0.9Average push gradient: -15 %Average site altitude: 6,350 feetMaterial weight: 2,900 lbs/LCYWeight description: Sand and gravel - Dry**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:	1.329	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4724

Adjusted unit production: 768.59 LCY/hr

Adjusted fleet production: 768.59 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.212/LCY

Total job time: 27.92 Hours

Total job cost: \$4,552

BULLDOZER WORKTask description: Distirbute topsoil over disturbed areaSite: Hidden Valley Gravel PitPermit Action: SI-03Permit/Job#: M1998024**PROJECT IDENTIFICATION**Task #: 05AState: ColoradoAbbreviation: NoneDate: 4/17/2017County: EagleFilename: 05aUser: THMAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: OBSOLETE-Cat D8T - 8UHorsepower: 305Blade Type: UniversalAttachment: NAShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$52.86	NA
Operating Cost/Hour:	\$68.35	100
Ripper own. Cost/Hour:	\$0.00	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.85	NA

Total unit Cost/Hour: \$163.06Total Fleet Cost/Hour: \$163.06**MATERIAL QUANTITIES**Initial Volume: 56,467Swell factor: 1.000Loose volume: 56,467 LCYSource of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 0 feetUnadjusted hourly production: 1,627.0 LCY/hrMaterials consistency description: Loose stockpile 1.2Average push gradient: 0 %Average site altitude: 6,350 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: 1,398.08 LCY/hr

Adjusted fleet production: 1398.08 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.117/LCY

Total job time: 40.39 Hours

Total job cost: \$6,586

BULLDOZER RIPPING WORK

Task description: Rip/grade pit floor and access roads

Site: Hidden Valley Gravel Pit

Permit Action: SI-03

Permit/Job#: M1998024

PROJECT IDENTIFICATION

Task #: 03A

State: Colorado

Abbreviation: None

Date: 4/17/2017

County: Eagle

Filename: 03a

User: THM

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: OBSOLETE-Cat D8T - 8U

Horsepower: 305

Ripper Attachment: 3-Shank Ripper

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$52.86	NA
Operating Cost/Hour:	\$68.35	100
Ripper Ownership Cost/Hour:	\$7.55	NA
Ripper Operating Cost/Hour:	\$7.21	100
Operator Cost/Hour:	\$41.85	NA
Total Unit Cost/Hour:	\$177.82	
Total Fleet Cost/Hour:	\$177.82	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA

Bank Volume: NA

BCY NA

Area: 26.00 acres

Rip Depth (ft): 2.00

Volume: 83,893 BCY or CCY

Source of estimated quantity: Onsite observations / reports

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth:	<u>2.00</u>	mph
Average Ripping Width:	<u>7.08</u>	degrees
Average Ripping Length:	<u>500.00</u>	feet
Average Dozer Speed:	<u>88.00</u>	feet
Average Maneuver Time:	<u>0.25</u>	feet
Production per unit area:	<u>0.822</u>	acres/hour

Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.822 Acres/hr

Site Altitude: 6,350 feet

Altitude Adj: 1.00 (CAT HB)

Job Efficiency: 0.83 (1 shift/day)

Net Correction: 0.83 multiplier

Adjusted Hourly Unit Production: 0.68 Acres/hr

Adjusted Hourly Fleet Production: 0.68 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 38.11 Hours

Unit cost: \$260.630 Per acre Total job cost: \$6,776

SCRAPER TEAM WORKTask description: Distribute topsoil over 30 acre disturbed areaSite: Hidden Valley Gravel PitPermit Action: SI-03Permit/Job#: M1998024**PROJECT IDENTIFICATION**Task #: 04AState: ColoradoAbbreviation: NoneDate: 4/17/2017County: EagleFilename: 04aUser: THMAgency or organization name: DRMS**HOURLY EQUIPMENT**COSTShift basis: 1 per day

Equipment Description	
-Scraper:	Cat 637G
-Dozer:	Cat D8T - 8SU
Support Equipment -Load Area:	NA
-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	NA	NA	NA	NA
Ownership cost/hour:	\$143.40	\$83.81	NA	NA	NA	NA
Operating cost/hour:	\$153.53	\$66.17	NA	NA	NA	NA
%Utilization-ripper:	NA	NA	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	NA	NA	NA	NA
Ripper op. cost/hour:	NA	\$0.00	NA	NA	NA	NA
Operator cost/hour:	\$31.26	\$41.85	NA	NA	NA	NA
Unit Subtotals:	\$328.19	\$191.83	NA	NA	NA	NA
Number of Units:	1	1	0	0	0	0
Group Subtotals:	Work:	\$520.02	Support:	\$0.00	Maint:	\$0.00

Total work team cost/hour: **\$520.02****MATERIAL QUANTITIES**Initial volume: 56,467

CCY

Swell factor: 1.000Loose volume: 56,467

LCY

Source of estimated volume: 30 ac. @ 14" depthSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION****Scraper Bowl (volume) Basis:**

Material weight: 1,600 lbs/LCY
 Material description: Top Soil
 Rated Payload: 81,600 pounds
 Payload Capacity: 51.00 LCY

Struck Volume: 24.00 LCY
 Heaped Volume: 34.00 LCY
 Average Volume: 29.00 LCY
 Adjusted Capacity: 29.00 LCY

Cycle Time:Scraper Loading Time: 0.80 MinutesManeuver and Spread Time: 0.60 MinutesJob Condition Correction:

Site Altitude: 6350 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	350.00	0.00	5.00	5.00	1867	0.28

Haul Time: 0.28 minutesReturn Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	350.00	0.00	5.00	5.00	2795	0.29

Return Time: 0.29 minutesTotal Scraper team cycle time: 1.97 minutesAdjusted for job conditions: 733.10 LCY/HourSelected Number of Scrapers: 1 Scraper(s)Adjusted single scraper team (unit) hourly production: 733.10 LCY/HourAdjusted multiple scraper team (fleet) hourly production: 733.10 LCY/HourUnadjusted unit production/hour: 883.25 LCY/Hour

Optimal Number of Scrapers per push dozer: _____

JOB TIME AND COSTFleet size: 1 Team(s)Total job time: 77.03 HoursUnit cost: \$0.709 /LCYTotal job cost: \$40,055

REVEGETATION WORKTask description: Revegetate slopes with dry mixSite: Hidden Valley Gravel PitPermit Action: SI-03Permit/Job#: M1998024**PROJECT IDENTIFICATION**Task #: 06AState: ColoradoAbbreviation: NoneDate: 4/17/2017County: EagleFilename: 06aUser: THMAgency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
10-34-0, 18-46-0, 5-10-5	200.00	pound	\$0.34	\$68.00
			Total Fertilizer Materials Cost/Acre	\$68.00

Application

Description	Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)	\$144.62
Total Fertilizer Application Cost/Acre	\$144.62

TILLING

Description	Cost /Acre
Chisel plowing {DMG}	\$90.60
Total Tilling Cost/Acre	\$90.60

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Bitterbrush, Antelope	0.50	0.15	\$9.75
Crested Wheatgrass - Ephraim	1.50	6.89	\$5.51
Orchardgrass - Paiute	1.00	12.40	\$3.62
Smooth Brome - Lincoln	2.00	6.66	\$8.50
Pubescent Wheatgrass - Luna	2.00	4.13	\$8.14
Mahogany, Mountain	0.25	0.34	\$9.20
Western Wheatgrass - Arriba	2.50	6.31	\$20.20
Timothy, Alpine - Native	0.50	14.92	\$12.09
Totals Seed Mix	10.25	51.80	\$77.00

Application

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

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost / Acre
Herbicide - Curtail @ 4.0 pt/ac	1.00	ACRE	\$7.16	\$7.16
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$261.00	\$522.00
Total Mulch Materials Cost/Acre				\$529.16

Application

Description	Cost / Acre
Crimping, with tractor {DMG survey data}	\$66.02
Weed spray, truck, non-aquatic area, nox. [DMG]	\$71.50
Total Mulch Application Cost/Acre	\$137.52

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:	4.4	Cost / Acre:	\$1,046.90
Estimated Failure Rate:	25%	Cost / Acre*:	\$1,046.90
*Selected Replanting Work Items:	FERTILIZING,TILLING,SEEDING,MULCHING		
Initial Job Cost:	\$4,606.36		
Reseeding Job Cost:	\$1,151.59		
Total Job Cost:	\$5,758		
Job Hours:	16.00		

REVEGETATION WORKTask description: Revegetate pastureSite: Hidden Valley Gravel PitPermit Action: SI-03Permit/Job#: M1998024PROJECT IDENTIFICATIONTask #: 06BState: ColoradoAbbreviation: NoneDate: 4/17/2017County: EagleFilename: 06bUser: THMAgency or organization name: DRMSFERTILIZINGMaterials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
10-34-0, 18-46-0, 5-10-5	200.00	pound	\$0.34	\$68.00
			Total Fertilizer Materials Cost/Acre	\$68.00

Application

Description	Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)	\$144.62
Total Fertilizer Application Cost/Acre	\$144.62

TILLING

Description	Cost /Acre
Chisel plowing {DMG}	\$90.60
Total Tilling Cost/Acre	\$90.60

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Orchardgrass - Latar	2.00	24.79	\$6.58
Smooth Brome - Manchar	4.00	13.31	\$17.00
Western Wheatgrass - Arriba	6.00	15.15	\$48.48
Timothy - Climax	1.00	28.70	\$1.57
Totals Seed Mix	13.00	81.96	\$73.63

Application

Description	Cost /Acre
Drill seeding (MEANS 32 92 19.13 0020)	\$438.00

Total Seed Application Cost/Acre	\$438.00
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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	\$7.16	\$7.16
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$261.00	\$522.00
Total Mulch Materials Cost/Acre				\$529.16

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$66.02
Weed spray, truck, non-aquatic area, nox. [DMG]	\$71.50
Total Mulch Application Cost/Acre	\$137.52

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: 30.6
 Estimated Failure Rate: 25%
 *Selected Replanting Work Items: FERTILIZING, TILLING, SEEDING, MULCHING

Cost /Acre: \$1,481.53

Cost /Acre*: \$1,481.53

Initial Job Cost: **\$45,334.82**
 Reseeding Job Cost: **\$11,333.70**
 Total Job Cost: **\$56,669**
 Job Hours: **40.00**

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: Mobilize reclamation crew and equipmentSite: Hidden Valley Gravel PitPermit Action: SI-03Permit/Job#: M1998024**PROJECT IDENTIFICATION**Task #: 07AState: ColoradoAbbreviation: NoneDate: 4/17/2017County: EagleFilename: 07aUser: THMAgency or organization name: DRMS**EQUIPMENT TRANSPORT RIG COST**Shift basis: 1 per dayCost Data Source: CRG DataTruck Tractor Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED,
400 HP (2ND HALF, 2006)Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT
TRAILER (25T, 50T, AND 100T)**Cost Breakdown:**

Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons
Ownership Cost/Hour:	\$16.63	\$18.37	\$22.33
Operating Cost/Hour:	\$44.38	\$46.13	\$50.07
Operator Cost/Hour:	\$27.66	\$27.66	\$27.66
Helper Cost/Hour:	\$0.00	\$25.39	\$25.39
Total Unit Cost/Hour:	\$88.67	\$117.55	\$125.45

NON ROADABLE EQUIPMENT:

Machine Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/uni t	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Cat D8R Series II - 8U (2005)	53.17	\$45.97	\$125.45	1	\$171.42	\$125.45	\$250.00
Cat 637G	57.38	\$80.72	\$125.45	1	\$206.17	\$125.45	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$39.59	\$88.67	1	\$128.26	\$88.67	\$250.00

Subtotals: **\$505.85** **\$339.57** **\$750.00****ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 1 T. Crew	\$20.91	1	\$20.91	\$20.91

Subtotals: **\$20.91** **\$20.91**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	<u>EAGLE</u>	
Total one-way travel distance:	<u>20.00</u>	miles
Average Travel Speed:	<u>50.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$3,188.04</u>
** two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	<u>\$16.73</u>
** one round trip, no haul rig:	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.40	0.40
Return Time (Hours):	0.40	0.40
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.80	0.80

JOB TIME AND COST

Total job time: 3.60 Hours

Total job cost: \$3,205