

January 30, 2025

Jason Burkey Oldcastle SW Group, Inc. dba United Companies of Mesa County 2273 River Road Grand Junction, CO 81502-3609

Re: Vader Pit - File No. M-1978-287

Oldcastle SW Group, Inc. dba United Companies of Mesa

County Surety Increase (SI-3)

Dear Jason Burkey:

On January 30, 2025 the Division of Reclamation, Mining and Safety increased the Financial Warranty requirement for this permit to \$100,712.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$42,212.00 over the \$58,500 currently held.

The Division ordered amendment of the current Financial Warranty or submittal of a new Financial Warranty reflecting the increase, is due within 60 days from the date of this letter (March 31, 2025).

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, 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 if the amount of any increased Financial Warranty has not been provided by March 31, 2025.

If you have any questions, please contact me by telephone at (970) 433-8393, or by email at Dustin.czapla@state.co.us.

Sincerely,

Dustin M. Czapla

Environmental Protection Specialist



COST SUMMARY WORK

7	Γask description:	2024-12-18				
Site:	Vader Pit	Permit Action	n: <u>2024-12-18</u>		Permit/Job	#: <u>M1978287</u>
<u>P</u>	ROJECT IDENTIFIC	CATION				
	Task #: 000 Date: 12/18/2024 User: DMC	State: Colorado County: Gunnison			Abbreviation: Filename:	None M287-000
	Agency or organ	ization name: DRMS				
<u>T</u>	ASK LIST (DIRECT	COSTS)				
Гask	Description		Form Used	Fleet Size	Task Hours	Cost
)1a		north of creek on east side of	TRUCK1	1	7.92	\$2,839
)2a	Spread topsoil		DOZER	1	4.13	\$1,328
)3a	Revegetate area nort	h of creek	REVEGE	1	5.00	\$5,576
)4a	Rip area south of cre		RIPPER	1	20.51	\$7,061
)4b	Finish grade area sou		DOZER	1	20.58	\$6,618
)5a		oughout area south of creek	TRUCK1	1	36.55	\$13,107
)6a	Spread topsoil		DOZER	1	23.95	\$7,702
)7a	Revegetate area sout		REVEGE	1	16.00	\$32,340
)8a	Mobilize reclamation	n crew and equipment	MOBILIZE	1	2.57	\$3,027
			SUBTO	OTALS:	137.21	\$79,598
	NDIRECT COSTS					
<u>O</u>	VERHEAD AND PROF	<u>IT:</u>				
	Liability insura					,608
	Performance be					336
	Job superintend					5,438
	Pr	ofit: 10.00				7,960
		CONT				5,842
		CON	FRACT AMOUNT	(airect +	$O(x, P) = \frac{x}{2}$	95,440
Ll	EGAL - ENGINEERING	G - PROJECT MANAGEMEN	Γ:			
	Financial warranty pr	rocessing (legal/related costs):	\$500		Total = \$5	500
		nd/or contract/bid preparation:	0.00	_	Total = \$0)
	Reclamation mana	gement and/or administration:	5.00	_	\$2	1,772
		CONTINGENCY:	0.00		Total =\$()
			TOTAL I	NDIRECT	$\Gamma COST = $ \$2	21,114
		TOTAL RO	OND AMOUNT (direct + i	ndirect) = \$1	00,712

TRUCK/LOADER TEAM WORK

Task description:	_ Haul to	osoil to area	north o	of creek on eas	st side of pond		
Site: Vader Pit		Permit	Action:	2024-12-18		Permit/Job#: M	1978287
PROJECT IDE	NTIFICATION						
Task #: 01A Date: 12/1 User: DM	8/2024		Colorado Gunnisor		Ab	breviation: No. 12	
	or organization nar	ne: DRM	S				
	IPMENT COST				Shift has	sis: 1 per day	
HOURET EQU	TIVILIVI COST	<u>-</u>	Fai	ipment Descri		ns. <u>1 per day</u>	
	Truck Loader Tea	m -Truck:	Generi	c 12-18 cy, 6x			
Sur	port Equipment -L	-Loader:	CAT 9 NA	72H			
	-Dı	ımp Area:	NA				
Road I	Maintenance – Mot	H	NA				
	- w a	ter Truck:	NA				
Cost Breakdown	Truck/Loa				Equipment		ce Equipment
	Truck	Loader	L	oad Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100		50	NA	NA	NA	NA
Ownership cost/hour:	\$27.14		2.43	NA	NA	NA	NA
Operating cost/hour:	\$62.81	\$28	3.99	NA	NA	NA	NA
%Utilization-riper:	NA NA	የ ር	0	NA NA	NA NA	NA NA	NA NA
Ripper own. cost/hour: Ripper op. cost/hour:	NA NA		0.00	NA NA	NA NA	NA NA	NA NA
Operator cost/hour:	\$25.24		5.85	NA NA	NA NA	NA NA	NA NA
Unit Subtotals:	\$115.19	\$128		NA	NA	NA	NA
Number of Units:	2	·	1	0	0	0	0
Group Subtotals:	Work:	\$358.65		Support:	\$0.00	Maint:	\$0.00
Total work team c	ost/hour: \$358.65	<u>; </u>					
MATERIALO							
MATERIAL Q	<u>UANTITIES</u>						
Initial volum Loose volum			CCY LCY	Swell	factor: 1.000		
				• • • • • • •			
	ource of estimated see of estimated		Approx. Cat Han	2.5 ac. @ 9" o	depth		
Source	Material Purch	_	\$0.00	doook			
	To	otal Cost:	\$0.00				
HOURLY PR	ODUCTION						
Truck Capacity: Truck Payload (we	eight) Basis:						
Material		.:1		Pounds/LCY	-		
	eription: Top So Payload: 50,300			Pounds			
Payload C				LCY			

Truck Bed (volume) Basis: Struck Volume:	12.00	LCY				
Heaped Volume:	18.00	LCY				
Average Volume:		LCY				
Adjusted Volume: _	18.00	LCY				
Fina	l Truck Volume	Based on Number of Load	ler Passes:	16.38	LCY	
Loading Tool Capacity						
			Bucke	et Size Class: N	A	<u> </u>
Rated Capacity:	5.600	LCY (heaped)				=
Bucket Fill Factor:	0.975	Loose material - mixe	ed moist aggi	regates (95-100%)	0.975	=
Adjusted Capacity:	5.460	LCY				
Job Condition Corrections	<u>:</u>	Site Alt	itude (ft.): <u>77</u>	<u>750</u> feet		
	Truck	Loader	Source			
Altitude Adj:	0.970	1.000	(CAT HB)			
Job Efficiency:	0.830	0.830	(CAT HB)			
Net Correction:	0.805	0.830				
Loading Tool Cycle Time	Numba	CI 1' TID D	14 E		_	
Educating Tool Cycle Time	Nullioc	r of Loading Tool Passes R	tequired to Fi	ill Truck:	3 1	passes
	_	r of Loading Tool Passes R	required to Fi	ill Truck:	1	passes
Excavators and Front Shov	els:	-	tequired to Fi	ill Truck:		passes
Excavators and Front Shov Machine Cycle Time	els:	n Rating: NA	required to Fi	ill Truck:		passes
Excavators and Front Shov Machine Cycle Time	els: vs. Job Conditio within this Basi	n Rating: NA NA NA NA	required to F	ill Truck:	3 1	passes
Excavators and Front Shov Machine Cycle Time Selected Value	els: vs. Job Conditio within this Basi - Material Descr	n Rating: NA NA NA NA	equired to F	ill Truck:	3 1	passes
Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders	els: vs. Job Conditio within this Basi - Material Descr	n Rating: NA NA NA NA	equired to F	Dump:0.100		passes
Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA	els: vs. Job Conditio within this Basi Material Descr :	n Rating: NA C Rating: NA iption:		Dump: 0.100		
Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA	els: vs. Job Conditio within this Basi Material Descr :	n Rating: NA		Dump: 0.100		
Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min.) Load: NA Wheel and Track Loaders	vs. Job Conditio within this Basi Material Descr b: Unadjusted Ba	n Rating: NA c Rating: NA	ad, dump, m	Dump: 0.100 aneuver): 0.	525 min	
Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors	vs. Job Conditio within this Basi Material Descr b: Unadjusted Ba	n Rating: NA c Rating: NA iption: NA faneuver: NA asic Loader Cycle Time (lo	ad, dump, m	Dump:0.100 aneuver):0. Factor (min.)	525 min Source	
Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	els: vs. Job Conditio within this Basi - Material Descr b: - Unadjusted Ba - Mixed material Conveyor or Common ow	n Rating: NA c Rating: NA iption: NA Maneuver: NA asic Loader Cycle Time (lo ial 0.02 dozer piled 10 ft. high and nership of trucks and loade	ad, dump, mad, dump,	Dump: 0.100 aneuver): 0. Factor (min.) 0.020 0.000 -0.040	525 min Source (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	els: vs. Job Conditio within this Basi - Material Descr b: - Unadjusted Ba - Mixed mater Conveyor or Common ow Constant ope	n Rating: NA c Rating: NA ription: NA Maneuver: NA asic Loader Cycle Time (load ozer piled 10 ft. high and nership of trucks and loade ration -0.04	ad, dump, mad, dump,	Dump: 0.100 aneuver): 0. Factor (min.) 0.020 0.000 -0.040 -0.040	525 min Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	els: vs. Job Conditio within this Basi - Material Descr b: - Unadjusted Ba - Mixed material Conveyor or Common ow	n Rating: NA c Rating: NA ription: NA Manage of trucks and loade ration -0.04 ret 0.00	up 0.00	Dump: 0.100 aneuver): 0. Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB)	
Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	els: vs. Job Conditio within this Basi - Material Descr b: - Unadjusted Ba - Mixed mater Conveyor or Common ow Constant ope	n Rating: NA c Rating: NA iption: NA Manage Loader Cycle Time (loader Cycle Time) Manage Loader Cycle Time Adjet 0.00 Net Cycle Time Adjet O.00	ad, dump, maup 0.00 ers -0.04 justment:	Dump: 0.100 aneuver): 0. Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	els: vs. Job Conditio within this Basi - Material Descr b: - Unadjusted Ba - Mixed mater Conveyor or Common ow Constant ope	n Rating: NA c Rating: NA ription: NA Manage of trucks and loade ration -0.04 ret 0.00	up 0.00 ers -0.04 justment:cle Time:	Dump: 0.100 aneuver): 0. Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB)	
Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	els: vs. Job Conditio within this Basi - Material Descr b: - Unadjusted Ba - Mixed mater Conveyor or Common ow Constant ope	n Rating: NA c Rating: NA iption: NA Masic Loader Cycle Time (loader Cycle Time) Manual Cycle Time (loader Cycle Time) Masic Loader Cycle Time (loader Cycle Time) Masic Loader Cycle Time (loader Cycle Time) Net Cycle Time Adj Adjusted Loader Cycle Tycle Tycl	up 0.00 ers -0.04 justment:cle Time:	Dump: 0.100 aneuver): 0. Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.465	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	els: vs. Job Conditio within this Basi Material Descr : Unadjusted Basi Mixed materi Conveyor or Common ow Constant ope Nominal targ	n Rating: NA c Rating: NA iption: NA Masic Loader Cycle Time (loader Cycle Time) Manual Cycle Time (loader Cycle Time) Masic Loader Cycle Time (loader Cycle Time) Masic Loader Cycle Time (loader Cycle Time) Net Cycle Time Adj Adjusted Loader Cycle Tycle Tycl	up 0.00 ers -0.04 justment:cle Time:er Truck:	Dump: 0.100 aneuver): 0. Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.465	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	els: vs. Job Conditio within this Basi - Material Descr b: - Unadjusted Ba - Mixed materi Conveyor or Common ow Constant ope Nominal targ	n Rating: NA c Rating: NA iption: NA Masic Loader Cycle Time (loader Cycle Time) Masic Loader Cycle Time (loader Cycle Time) Masic Loader Cycle Time (loader Cycle Time) Masic Loader Cycle Time Adjusted Loader Cycle Time Adjusted Loader Cycle Time Power Cycl	up 0.00 crs -0.04 justment:cle Time:er Truck:	Dump: 0.100 aneuver): 0. Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.465 1.030	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes

<u>Truck Travel (Haul & Return) Time:</u> Road Condition: <u>Rutted dirt, little maintenance, no water, 1" tire penetration 4.0</u>

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	2200.00	0.00	4.00	4.00	2665	0.988

Haul Time: **0.988** minutes Return Route: Grade (%) Total Res Travel Haul Distance Roll. Res Velocity Seg# Time (Ft) (%)(%) (fpm) (min) 2200.00 0.00 4.00 4.00 2849 0.808

Return Time: 0.808 minutes
Total Truck Cycle Time: 4.269 minutes

Loading Tool unit

Production 635.93 LCY/Hour Adjusted for job efficiency: 527.82 LCY/Hour Truck Unit Production 230.20 LCY/Hour Adjusted for job efficiency: 191.07 LCY/Hour

Optimal No. of Trucks: _____ 3 ___ Truck(s) Selected Number of Trucks: ____ 2 ___ Truck(s)

Adjusted hourly truck team production: 382.13 LCY/Hour Adjusted single truck/loader team production: 382.13 LCY/Hour Adjusted multiple truck/loader team production: 382.13 LCY/Hour

JOB TIME AND COST

 Fleet size:
 1
 Team(s)
 Total job time:
 7.92
 Hours

 Unit cost:
 \$0.939
 /LCY
 Total job cost:
 \$2,839

BULLDOZER WORK

Task description:	Sprea	ıd topsoil				
: Vader Pit		Permit Ac	etion: 2	024-12-18	Permit/Job#:	M1978287
PROJECT IDEN	TIFICATIO	<u>ON</u>				
Task #: 02A		State: Colo	orado		Abbreviation:	None
Date: $\frac{0.211}{12/18}$	/2024		nison		Filename:	02a
User: DMC		<u> </u>			-	
Agency or	organization	name: DRMS				
HOURLY EQUI	PMENT CC	<u>ost</u>				
Basic Machine:	Cat D8T - 8	SU				
Horsepower:	310					
Blade Type:	Semi-Unive	rsal				
Attachment:	NA					
Shift Basis:	1 per day					
Data Source:	(CRG)					
Cost Breakdown:						
				<u>Utilization %</u>		
Ownership Cost/H	our:	\$17	3.32	NA		
Operating Cost/H	our:		9.71	100		
Ripper own. Cost/H	our:	\$	0.00	NA		
Ripper op. Cost/H	our:	\$	0.00	0		
Operator Cost/H	our:	\$3	8.59	NA		
MATERIAL QU Initial Volume: Swell factor:	3,025 1.000					
Loose volume:	3,025 LCY					
Source of estimated Source of estimated		Division of Rec Cat Handbook	lamation	, Mining & Safety		
HOURLY PROD	<u>UCTION</u>					
Average push distar Unadjusted hourly p		100 feet 852.6 LCY/hr				
Materials consistence	ey description:	Loose stockp	ile 1.2			
Average push gradio Average site altitude		feet				
Material weight:	1,600	lbs/LCY			<u> </u>	
Weight description:	Top S	oil				
Job Condition Corre	ection Factor			Source		
Ope	rator Skill:	0.750		(AVG.)		
Material co		1.200		(CAT HB)		
Dozir	ng 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)

Page 2 of 2

Net correction: 0.8593

Adjusted unit production: 732.64 LCY/hr
Adjusted fleet production: 732.64 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.439/LCY

Total job time: 4.13 Hours
Total job cost: \$1,328

REVEGETATION WORK

Vader Pit		Per	mit Action: _2024	1-12-18		Permit/Job	#: <u>M1978287</u>
ROJECT ID	ENTIFICATIO	<u>ON</u>					
Task #: 0	3A	State:	Colorado		Ab	breviation:	None
	2/18/2024	County:	Gunnison			Filename:	03a
User: D	OMC						
Agency	y or organization	name: DR	MS				
ERTILIZIN	<u>G</u>						
aterials							
T			Units /	TT */	Ca	~4 / TI*4	Cost /A sus
Description			Acre	Unit	Co	st / Unit	Cost /Acre
					\$		\$
					То	tal Fertilizer Materials	
						Cost/Acre	\$0.00
Description			Tota	l Fertilizer	Applicatio	on Cost/Acre	Cost /Acre
Description ILLING Description	an (DMC)		Tota	l Fertilizer	Applicatio	on Cost/Acre	\$ \$0.00 Cost /Acre
Description ILLING Description Chisel plowing	ng {DMG}	NS 31 31 16 1		l Fertilizer	Application	on Cost/Acre	\$ \$0.00 Cost /Acre \$102.41
Description ILLING Description Chisel plowing	ng {DMG} I spraying (MEA)	NS 31 31 16.1		l Fertilizer	Application	on Cost/Acre	\$ \$0.00 Cost /Acre
Description ILLING Description Chisel plowing	ng {DMG} I spraying (MEA)	NS 31 31 16.1				on Cost/Acre	\$ \$0.00 Cost /Acre \$102.41
Description ILLING Description Chisel plowing	ng {DMG} I spraying (MEA)	NS 31 31 16.1					\$ \$0.00 Cost /Acre \$102.41 \$338.80
Description Description Chisel plowin Weed control	ng {DMG} I spraying (MEA)	NS 31 31 16.1			Fotal Tillii		\$ \$0.00 Cost /Acre \$102.41 \$338.80
Description LLING Description Chisel plowin Weed control	ng {DMG} I spraying (MEAN	NS 31 31 16.1			Γotal Tillin		\$ \$0.00 Cost /Acre \$102.41 \$338.80
Description Description Chisel plowin Weed control	ng {DMG} I spraying (MEA)	NS 31 31 16.1			Fotal Tillin	ng Cost/Acre Seeds per SQ.	\$0.00 Cost /Acre \$102.41 \$338.80 \$441.21
Description LLING Description Chisel plowin Weed control	ng {DMG} I spraying (MEA)	NS 31 31 16.1			Rate – PLS LBS /	ng Cost/Acre	\$0.00 Cost /Acre \$102.41 \$338.80 \$441.21
Description LLING Description Chisel plowin Weed control EEDING Seed Mix	spraying (MEA)	NS 31 31 16.1			Rate – PLS LBS / Acre	Seeds per SQ. FT	\$0.00 Cost /Acre \$102.41 \$338.80 \$441.21 Cost /Acre
Description LLING Description Chisel plowin Weed control	spraying (MEA)	NS 31 31 16.1			Rate – PLS LBS /	ng Cost/Acre Seeds per SQ.	\$0.00 Cost /Acre \$102.41 \$338.80 \$441.21
Description LLING Description Chisel plowin Weed control EEDING Seed Mix Orchardgrass	l spraying (MEA) - Latar ne - Manchar	NS 31 31 16.1			Rate – PLS LBS / Acre 1.00	Seeds per SQ. FT	\$0.00 Cost /Acre \$102.41 \$338.80 \$441.21 Cost /Acre
Description LLING Description Chisel plowin Weed control EEDING Seed Mix Orchardgrass Smooth Bron	l spraying (MEA) - Latar ne - Manchar	NS 31 31 16.1			Rate – PLS LBS / Acre 1.00 5.50	Seeds per SQ. FT 12.40 18.31 14.35	\$0.00 Cost /Acre \$102.41 \$338.80 \$441.21 Cost /Acre \$4.68 \$28.71
Description LLING Description Chisel plowin Weed control EEDING Seed Mix Orchardgrass Smooth Bron	l spraying (MEA) - Latar ne - Manchar	NS 31 31 16.1	13 3100)		Rate – PLS LBS / Acre 1.00 5.50	Seeds per SQ. FT 12.40 18.31	\$0.00 Cost /Acre \$102.41 \$338.80 \$441.21 Cost /Acre \$4.68 \$28.71

Drill Seeding (DRMS Survey Cost)		\$236.64
To	otal Seed Application Cost/Acre	\$236.64

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$492.78	\$985.56
Total Mulch Materials Cost/Acre				\$985.56

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$85.37
	Total Mulch Application Cost/Acre	\$85.37

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
		Totals ?	Nursery Stoc	ek Cost / Acre	\$0.00

JOB TIME AND COST

No. of Acres: 2.5
Estimated Failure Rate: 25% Cost /Acre: \$1,784.25 Cost /Acre*: \$1,784.25

*Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: **\$4,460.63** Reseeding Job Cost: \$1,115.16 Total Job Cost: \$5,576 Job Hours: **5.00**

BULLDOZER RIPPING WORK

	Task description:	Rip a	rea south of	creek					
Site	: Vader Pit		Perm	it Action:	2024-12-18		Permit/Job#	#: <u>M197</u>	8287
	PROJECT IDE	NTIFICATIO	<u>)N</u>						
	Task #: 04A Date: 12/1 User: DM	8/2024	State: _ County: _	Colorado Gunnison		Ab	breviation: Filename:	None 04a	
		or organization i	name: DRI	MS					
	HOURLY EQU	•							
	Basic M		D8T - 8SU			Horsepower: Shift Basis: Data Source:	1	310 per day (CRG)	
	Cost Breakdown:					Bata Source.	·	<u>(end)</u>	
	Rippe	Ownership Co Operating Co Ownership Co or Operating Co Operator Co Total Unit Co	st/Hour: st/Hour: st/Hour:		\$173.32 \$109.71 \$14.53 \$7.95 \$38.59 \$344.10	Utilization % NA 100 NA 100 NA 100 NA	 		
				02.4					
		Total Fleet Co	st/Hour:	\$34					
	MATERIAL Q			Sele	ected estimating	g method: Ar	ea		
	Alternate Methods	<u>:</u>							
Seismic: Area:	NA 14.00	acres		Volume: epth (ft):	NA 2.00	BCY Volume:	45,173	NA	BCY or CCY
mea.	14.00	Source of estim	•	-		voiume	43,173		_ Beroree
	HOURLY PRO		iated quantity	. Site iii	spection				
		<u>DUCTION</u>							
	Seismic:	S	eismic Veloc	ity:	NA	feet/se	econd		
	Area:								
			Ripping Dep		2.56	feet/pa			
			Ripping Wid Ripping Leng		7.08 500.00	feet/pa			
		_	ge Dozer Spe		88.00	feet/m			
			Maneuver Ti		0.25		es/pass		
		Producti	ion per unit a	rea:	0.822	acres/l	hour		
	Job Condition Con	rection Factors							
	Una	djusted Hourly	Unit Producti	on:	0.822	Acres	/hr		
			Site Altitu	ide:	7,750	feet			
			Altitude A		1.00	(CAT			
			Job Efficien	•	0.83		ft/day)		
			Net Correcti	on:	0.83	multip	olier		
			Hourly Unit F Iourly Fleet F		0.68 0.68	Acres/hr Acres/hr			
	JOB TIME AN	D COST							
	Fleet size:	1	Grader(s)		Total job tin	ne:	20.52	F	Iours
	Unit cost:	\$504.345	Per acre		Total iob co	st:	\$7,061		

BULLDOZER WORK

. Vador Dit						
: Vader Pit		Perr	nit Action:	2024-12-18	Permit/Job#:	M1978287
PROJECT IDE	NTIFICATIO	ON				
Task #: 04B		State:	Colorado		Abbreviation:	None
	8/2024	County:	Gunnison		Filename:	04b
User: DM0					_	
Agency o	or organization	name: DR	MS			
HOURLY EQU	IPMENT CO	OST				
Basic Machine:		<u></u>				
Horsepower:	310			_		
Blade Type:		ersal		<u> </u>		
Attachment:				<u> </u>		
Shift Basis:				_		
Data Source:	(CRG)			_		
Cost Breakdown:			I			
0 1: 0 4/			ф172.22	<u>Utilization %</u>		
Ownership Cost/l Operating Cost/l			\$173.32 \$109.71	NA 100		
Ripper own. Cost/l			\$0.00	NA		
Ripper op. Cost/			\$0.00	0		
Operator Cost/	-		\$38.59	NA		
Total unit Cost/Ho	ur: \$321.6	52				
MATERIAL OF	HANTITIES					
MATERIAL QU Initial Volume: Swell factor:	3,500 1.000		_			
Initial Volume:	3,500		 			
Initial Volume: Swell factor:	3,500 1.000 3,500 LCY d volume:	Estimate :	 from inpsect book	ion		
Initial Volume: Swell factor: Loose volume: Source of estimate	3,500 1.000 3,500 LCY d volume: d swell factor:			ion		
Initial Volume: Swell factor: Loose volume: Source of estimate Source of estimate	3,500 1.000 3,500 LCY d volume: d swell factor: DUCTION ance:		book	ion		
Initial Volume: Swell factor: Loose volume: Source of estimate Source of estimate HOURLY PRO Average push dista	3,500 1.000 3,500 LCY d volume: d swell factor: DUCTION ance: production:	200 feet 491.9 LCY/	book			
Initial Volume: Swell factor: Loose volume: Source of estimate Source of estimate HOURLY PRO Average push dista Unadjusted hourly	3,500 1.000 3,500 LCY d volume: d swell factor: DUCTION ance: production: ncy description: dient: 0 %	Cat Hand 200 feet 491.9 LCY/	book			
Initial Volume: Swell factor: Loose volume: Source of estimate Source of estimate HOURLY PRO Average push dista Unadjusted hourly Materials consister Average push grad	3,500 1.000 3,500 LCY d volume: d swell factor: DUCTION ance: production: ncy description: de: 0 % 7,750	Cat Hand 200 feet 491.9 LCY/	book			
Initial Volume: Swell factor: Loose volume: Source of estimate Source of estimate HOURLY PRO Average push dista Unadjusted hourly Materials consister Average push grad Average site altitude	3,500 1.000 3,500 LCY d volume: d swell factor: DUCTION ance: production: ncy description: de: 7,750 2,650	Cat Hand 200 feet 491.9 LCY/ Dry, no	hr n-cohesive (0.8		
Initial Volume: Swell factor: Loose volume: Source of estimate Source of estimate HOURLY PRO Average push dista Unadjusted hourly Materials consister Average push grad Average site altitude Material weight: Weight description Job Condition Cor	3,500 1.000 3,500 LCY d volume: d swell factor: DUCTION ance: production: ncy description: de: 7,750 2,650 a: Decon	Cat Hand 200 feet 491.9 LCY/ Dry, no feet lbs/LCY mposed rock	hr - 25% Rock	75% Earth Source		
Initial Volume: Swell factor: Loose volume: Source of estimate Source of estimate HOURLY PRO Average push dista Unadjusted hourly Materials consister Average push grad Average site altitude Material weight: Weight description Job Condition Cor	3,500 1.000 3,500 LCY d volume: d swell factor: DUCTION ance: production: ney description: de: 7,750 2,650 a: Decongerection Factor erator Skill:	Cat Hand 200 feet 491.9 LCY/ Dry, no feet lbs/LCY mposed rock 0.	hr n-cohesive (75% Earth Source (AVG.)		
Initial Volume: Swell factor: Loose volume: Source of estimate Source of estimate HOURLY PRO Average push dista Unadjusted hourly Materials consister Average push grad Average site altitud Material weight: Weight description Job Condition Cor Op Material of	3,500 1.000 3,500 LCY d volume: d swell factor: DUCTION ance: production: ncy description: de: 7,750 2,650 a: Decon	Cat Hand 200 feet 491.9 LCY/ Dry, no feet lbs/LCY mposed rock 0. 0.	hr - 25% Rock	75% Earth Source		

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: 0.3458

Adjusted unit production: 170.10 LCY/hr
Adjusted fleet production: 170.1 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$1.891/LCY

Total job time: 20.58 Hours
Total job cost: \$6,618

TRUCK/LOADER TEAM WORK

Task description:	Distribu	ite topsoil throu	ighout area south	of creek		
Site: Vader Pit		Permit Act	zion: <u>2024-12-18</u>		Permit/Job#:M	1978287
PROJECT IDE	NTIFICATION	<u>[</u>				
Task #:05A		State: Colo		Ab	breviation: No	
Date: 12/1 User: DM		County: Guni	nison		Filename: 05a	<u>l</u>
	or organization nar	ne: DRMS				
HOURLY EQU	IPMENT COST	<u>Γ</u>		Shift bas	sis: 1 per day	
			Equipment Descri	ption		
	Truck Loader Tea		eneric 12-18 cy, 6x	4		
Sun	port Equipment -I		AT 972H A			
	-Di	ump Area: NA	4			
Road I	Maintenance – Mot	or Grader: NA				
	- ** 2	itel Truck. 197	1			
Cost Breakdown		ader Team		Equipment		ce Equipment
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	50	NA	NA	NA	NA
Ownership cost/hour:	\$27.14	\$62.43	NA	NA	NA	NA
Operating cost/hour:	\$62.81	\$28.99	NA	NA	NA	NA
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	NA	NA NA	NA NA	NA NA
Ripper op. cost/hour: Operator cost/hour:	NA \$25.24	\$0.00 \$36.85	NA NA	NA NA	NA NA	NA NA
Unit Subtotals:	\$115.19	\$128.27	NA NA	NA NA	NA NA	NA NA
Number of Units:	3113.19	1	0	0	0	0
Group Subtotals:	Work:	\$358.65	Support:	\$0.00	Maint:	\$0.00
Total work team c			Support.	ψ0.00	TVIGITY.	\$0.00
MATERIAL Q						
Initial volum Loose volum		CC LC		factor: 1.000		
S	ource of estimated	volume: App	orox. 14.5.5 ac. @ 9	9" depth		
Source	e of estimated swe		Handbook			
	Material Purch	ase Cost: \$0.0 otal Cost: \$0.0				
	10) 0			
HOURLY PR	<u>ODUCTION</u>					
Truck Capacity:						
Truck Payload (we Material			Pounds/LCY	-		
	cription: Top So	oil	I Ounds/LC I			
Rated I	Payload: 50,300		Pounds			
Payload C	apacity: <u>31.44</u>		LCY			

Truck Bed (volume) Basis: Struck Volume:	12.00	LCY				
Heaped Volume:	18.00	LCY				
Average Volume:		LCY				
Adjusted Volume: _	18.00	LCY				
Fina	l Truck Volume	Based on Number of Load	ler Passes:	16.38	LCY	
Loading Tool Capacity						
			Bucke	et Size Class: N	A	<u> </u>
Rated Capacity:	5.600	LCY (heaped)				=
Bucket Fill Factor:	0.975	Loose material - mixe	ed moist aggi	regates (95-100%)	0.975	=
Adjusted Capacity:	5.460	LCY				
Job Condition Corrections	<u>:</u>	Site Alt	itude (ft.): <u>77</u>	<u>750</u> feet		
	Truck	Loader	Source			
Altitude Adj:	0.970	1.000	(CAT HB)			
Job Efficiency:	0.830	0.830	(CAT HB)			
Net Correction:	0.805	0.830				
Loading Tool Cycle Time	Numba	CI 1' TID D	14 E		_	
Educating Tool Cycle Time	Nullioc	r of Loading Tool Passes R	tequired to Fi	ill Truck:	3 1	passes
	_	r of Loading Tool Passes R	required to Fi	ill Truck:	1	passes
Excavators and Front Shov	els:	-	tequired to Fi	ill Truck:		passes
Excavators and Front Shov Machine Cycle Time	els:	n Rating: NA	required to Fi	ill Truck:		passes
Excavators and Front Shov Machine Cycle Time	els: vs. Job Conditio within this Basi	n Rating: NA NA NA NA	required to F	ill Truck:	3 1	passes
Excavators and Front Shov Machine Cycle Time Selected Value	els: vs. Job Conditio within this Basi - Material Descr	n Rating: NA NA NA NA	equired to F	ill Truck:	3 1	passes
Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders	els: vs. Job Conditio within this Basi - Material Descr	n Rating: NA NA NA NA	equired to F	Dump:0.100		passes
Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA	els: vs. Job Conditio within this Basi Material Descr :	n Rating: NA C Rating: NA iption:		Dump: 0.100		
Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA	els: vs. Job Conditio within this Basi Material Descr :	n Rating: NA		Dump: 0.100		
Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min.) Load: NA Wheel and Track Loaders	vs. Job Conditio within this Basi Material Descr b: Unadjusted Ba	n Rating: NA c Rating: NA	ad, dump, m	Dump: 0.100 aneuver): 0.	525 min	
Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors	vs. Job Conditio within this Basi Material Descr b: Unadjusted Ba	n Rating: NA c Rating: NA iption: NA faneuver: NA asic Loader Cycle Time (lo	ad, dump, m	Dump:0.100 aneuver):0. Factor (min.)	525 min Source	
Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	els: vs. Job Conditio within this Basi - Material Descr b: - Unadjusted Ba - Mixed material Conveyor or Common ow	n Rating: NA c Rating: NA iption: NA Maneuver: NA asic Loader Cycle Time (lo ial 0.02 dozer piled 10 ft. high and nership of trucks and loade	ad, dump, mad, dump,	Dump: 0.100 aneuver): 0. Factor (min.) 0.020 0.000 -0.040	525 min Source (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	els: vs. Job Conditio within this Basi - Material Descr b: - Unadjusted Ba - Mixed mater Conveyor or Common ow Constant ope	n Rating: NA c Rating: NA ription: NA Maneuver: NA asic Loader Cycle Time (load ozer piled 10 ft. high and nership of trucks and loade ration -0.04	ad, dump, mad, dump,	Dump: 0.100 aneuver): 0. Factor (min.) 0.020 0.000 -0.040 -0.040	525 min Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	els: vs. Job Conditio within this Basi - Material Descr b: - Unadjusted Ba - Mixed material Conveyor or Common ow	n Rating: NA c Rating: NA ription: NA Manage of trucks and loade ration -0.04 ret 0.00	up 0.00	Dump: 0.100 aneuver): 0. Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB)	
Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	els: vs. Job Conditio within this Basi - Material Descr b: - Unadjusted Ba - Mixed mater Conveyor or Common ow Constant ope	n Rating: NA c Rating: NA iption: NA Manage Loader Cycle Time (loader Cycle Time) Manage Loader Cycle Time Adjet 0.00 Net Cycle Time Adjet O.00	ad, dump, maup 0.00 ers -0.04 justment:	Dump: 0.100 aneuver): 0. Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	els: vs. Job Conditio within this Basi - Material Descr b: - Unadjusted Ba - Mixed mater Conveyor or Common ow Constant ope	n Rating: NA c Rating: NA ription: NA Manage of trucks and loade ration -0.04 ret 0.00	up 0.00 ers -0.04 justment:cle Time:	Dump: 0.100 aneuver): 0. Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB)	
Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	els: vs. Job Conditio within this Basi - Material Descr b: - Unadjusted Ba - Mixed mater Conveyor or Common ow Constant ope	n Rating: NA c Rating: NA iption: NA Masic Loader Cycle Time (loader Cycle Time) Manual Cycle Time (loader Cycle Time) Masic Loader Cycle Time (loader Cycle Time) Masic Loader Cycle Time (loader Cycle Time) Net Cycle Time Adj Adjusted Loader Cycle Tycle Tycl	up 0.00 ers -0.04 justment:cle Time:	Dump: 0.100 aneuver): 0. Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.465	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	els: vs. Job Conditio within this Basi Material Descr : Unadjusted Basi Mixed materi Conveyor or Common ow Constant ope Nominal targ	n Rating: NA c Rating: NA iption: NA Masic Loader Cycle Time (loader Cycle Time) Manual Cycle Time (loader Cycle Time) Masic Loader Cycle Time (loader Cycle Time) Masic Loader Cycle Time (loader Cycle Time) Net Cycle Time Adj Adjusted Loader Cycle Tycle Tycl	up 0.00 ers -0.04 justment:cle Time:er Truck:	Dump: 0.100 aneuver): 0. Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.465	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	els: vs. Job Conditio within this Basi - Material Descr b: - Unadjusted Ba - Mixed materi Conveyor or Common ow Constant ope Nominal targ	n Rating: NA c Rating: NA iption: NA Masic Loader Cycle Time (loader Cycle Time) Masic Loader Cycle Time (loader Cycle Time) Masic Loader Cycle Time (loader Cycle Time) Masic Loader Cycle Time Adjusted Loader Cycle Time Adjusted Loader Cycle Time Power Cycl	up 0.00 crs -0.04 justment:cle Time:er Truck:	Dump: 0.100 aneuver): 0. Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.465 1.030	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes

<u>Truck Travel (Haul & Return) Time:</u> Road Condition: <u>Rutted dirt, little maintenance, no water, 1" tire penetration 4.0</u>

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	1000.00	0.00	4.00	4.00	2665	0.538

Haul Time: 0.538 minutes Return Route: Grade (%) Roll. Res Total Res Travel Haul Distance Velocity Seg# Time (Ft) (%)(%) (fpm) (min) 1000.00 0.00 4.00 4.00 2849 0.387

Return Time: 0.387 minutes
Total Truck Cycle Time: 3.398 minutes

Selected Number of Trucks: 2 Truck(s)

Loading Tool unit

Production 635.93 LCY/Hour Adjusted for job efficiency: 527.82 LCY/Hour Truck Unit Production 289.20 LCY/Hour Adjusted for job efficiency: 240.04 LCY/Hour

Adjusted hourly truck team production: 480.08 LCY/Hour Adjusted single truck/loader team production: 480.08 LCY/Hour

Adjusted multiple truck/loader team production: 480.08 LCY/Hour

JOB TIME AND COST

Optimal No. of Trucks: 2 Truck(s)

 Fleet size:
 1
 Team(s)
 Total job time:
 36.55
 Hours

 Unit cost:
 \$0.747
 /LCY
 Total job cost:
 \$13,107

BULLDOZER WORK

Task description:	Sprea	ıd topsoil				
: Vader Pit		Permi	t Action:	2024-12-18	Permit/Job#:	M1978287
PROJECT IDEN	TIFICATIO	<u>)N</u>				
Task #: 06A		State:	Colorado		Abbreviation:	None
Date: 12/18	/2024		Gunnison		Filename:	06a
User: DMC		<i></i>			_	
Agency or	organization	name: DRM	1S			
HOURLY EQUI	PMENT CO	<u>ST</u>				
Basic Machine:	Cat D8T - 8	SU				
Horsepower:	310			<u> </u>		
Blade Type:	Semi-Unive	rsal				
Attachment:	NA					
Shift Basis:	1 per day			<u></u>		
Data Source:	(CRG)					
Cost Breakdown:						
				<u>Utilization %</u>		
Ownership Cost/H	our:		\$173.32	NA		
Operating Cost/H	our:		\$109.71	100		
Ripper own. Cost/H	our:		\$0.00	NA		
Ripper op. Cost/H	our:		\$0.00	0		
Operator Cost/H	our:		\$38.59	NA		
MATERIAL QU Initial Volume: Swell factor:	17,545 1.000		- -			
Loose volume:	17,545 LCY		_			
Source of estimated Source of estimated		Division of Cat Handbo		ion, Mining & Safety		
HOURLY PROD	<u>UCTION</u>					
Average push distar Unadjusted hourly p		100 feet 852.6 LCY/hr	•			
Materials consistence	cy description:	Loose sto	ockpile 1.2			
Average push gradio Average site altitude		feet	_ _			
Material weight:	1,600	lbs/LCY			_	
Weight description:	Top S	oil				
Job Condition Corre	ection Factor			Source		
Ope	rator Skill:	0.75	50	(AVG.)		
Material co		1.20		(CAT HB)	<u></u>	
Dozir	ng method:	1.00		(GEN.)		
	Visibility:	1.00	00	(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: 732.64 LCY/hr
Adjusted fleet production: 732.64 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.439/LCY

Total job time: 23.95 Hours
Total job cost: \$7,702

REVEGETATION WORK

	Vader Pit	Permit A	Action:2024	-12-18		Permit/Job#	#: <u>M1978287</u>
R	OJECT IDENTIFICAT	<u>ION</u>					
	Task #: 07A		orado		Ab	breviation:	None
	Date: 12/18/2024	County: Gui	nnison			Filename:	07a
	User: DMC	=					
	Agency or organization	on name: DRMS					
E	RTILIZING						
<u>Ia</u>	terials						
	Description		Units /	Unit	Cos	st / Unit	Cost /Acre
	Description		Acre	Unit	20.	st / Cilit	Cost // Ici c
					\$		\$
					То	tal Fertilizer Materials	
						Cost/Acre	\$0.00
	Description Chisel plowing {DMG}						Cost /Acre \$102.41
	Weed control spraying (ME	ANS 31 31 16.13 31	00)				\$338.80
				,	Fotal Tillir	ng Cost/Acre	\$441.21
E	EDING						
	Seed Mix				Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
	Orchardgrass - Latar				1.00	12.40	\$4.68
	Smooth Brome - Manchar		-	-	5.50	18.31	\$28.71
	Timothy - Climax				0.50	14.35	\$2.08
			Totals !	Seed Mix	7.00	45.05	\$35.47
n	nlication						
p	plication						

Drill Seeding (DRMS Survey Cost)		\$236.64
To	otal Seed Application Cost/Acre	\$236.64

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$492.78	\$985.56
Total Mulch Materials Cost/Acre				\$985.56

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$85.37
7	Total Mulch Application Cost/Acre	\$85.37

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
	\$0.00				

JOB TIME AND COST

Cost /Acre: \$1,784.25 Cost /Acre*: \$1,784.25 No. of Acres: 14.5

Estimated Failure Rate: 25%

*Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: **\$25,871.63** Reseeding Job Cost: \$6,467.91 Total Job Cost: \$32,340 Job Hours: **16.00**

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	Vlobilize reclamati	on crew and equip	ment	
Site: Vader Pit	Permit Action: <u>2024-12-18</u> Permit/Job#: <u>M19</u>		ob#: <u>M1978287</u>	
PROJECT IDENTIFICA	<u>TION</u>			
Task #: 08A Date: 12/18/2024 User: DMC		Colorado Gunnison	Abbreviation: Filename:	
Agency or organizat	tion name:DRM	S		
EQUIPMENT TRANSPO	ORT RIG COST			
			Shift basis: Cost Data Source:	1 per day CRG Data
Truck Tractor De	escription: GEN		AY TRUCK TRACTOR, 6X4 400 HP (2ND HALF, 2006)	, DIESEL POWERED,
Truck Trailer De	escription:			
Cost Breakdown:				
Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons	
Ownership Cost/Hour	: \$10.44	\$22.18	\$23.94	
Operating Cost/Hour	: \$26.48	\$54.55	\$55.65	
Operator Cost/Hour		\$22.52	\$22.52	
Helper Cost/Hour	: \$0.00	\$23.53	\$23.53	
Total Unit Cost/Hour	: \$59.44	\$122.78	\$125.64	

NON ROADABLE EQUIPMENT:

Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Trip	DOT Permit
Description	Unit	Cost/hr/ unit	Cost/hr/uni	Size	Cost/hr/	Cost/hr/ fleet	Cost/ fleet
	(TONS)		t		fleet		
Cat D8T - 8SU	53.08	\$187.85	\$125.64	1	\$313.49	\$125.64	\$250.00
CAT 972H	28.00	\$62.43	\$122.78	1	\$185.21	\$122.78	\$250.00
Drill/Broadcast	25.00	\$41.02	\$59.44	1	\$100.46	\$59.44	\$250.00
Seeder with							
Tractor							

Subtotals: \$599.16 \$307.86 \$750.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Generic 12-18 cy, 6x4	\$115.19	2	\$230.38	\$230.38
Light Duty Pickup, 4x4, 3/4 T.	\$13.77	1	\$13.77	\$13.77

Subtotals: \$244.15 \$244.15

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:

Total one-way travel distance:

Average Travel Speed:

GUNNISON

miles

5.00

mph

<u>Transportation Cycle Time:</u>

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.14	0.14
Return Time (Hours):	0.14	0.14
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.29	0.29

JOB TIME AND COST

Total job time:	2.57	Hours
Total job cost:	\$3,027	