

January 14, 2025

Mr. Matthew Mueller Siloam Stone, Inc. 315 N. 7th St. Canon City, CO 81212

RE: Bedrock Mine #1, File No. M-1997-086, Problem Cited for Inadequate Financial Warranty

On December 5, 2024, the Bedrock Mine #1 was inspected by the Division of Reclamation, Mining and Safety (Division) and a recalculation of the required financial warranty was performed as part of the inspection. The current financial warranty held by the Division is \$108,619.00. Based on the Division's recalculation, the required financial warranty for completing reclamation at the site in accordance with the approved reclamation plan is estimated to be \$164,504.00 (see enclosed reclamation cost estimate). This is considered a problem with required corrective actions, as described below.

INSPECTION TOPIC: Financial Warranty

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) and Rule 4.2.1(1). **CORRECTIVE ACTIONS:** The operator shall review the enclosed bond estimate and provide any comments or proof of reclamation completed by the corrective action deadline. Alternatively, the operator may submit a Technical Revision with the associated \$216 fee to revise the reclamation plan (e.g., reduce topsoil replacement depth) and include an updated bond estimate for all remaining reclamation at the site. In this case, the Division will reassess the required financial warranty through its review of the revision. If, by the corrective action deadline, no comments or a Technical Revision have been received, the Division will send 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: February 13, 2025

Please note, for the Division to consider any comments provided by the operator in its reassessment of the reclamation cost estimate, they should include a description of specific reclamation tasks that have been completed, with these areas identified on a map(s). Any maps provided should include detailed information about the approximate location and acreage of each area where specific reclamation tasks have been completed, approximate volumes of existing overburden and/or topsoil stockpiles, locations and descriptions of the remaining reclamation work, and any other information that would be helpful in calculating the reclamation cost estimate.



January 14, 2025 Mr. Matthew Mueller Siloam Stone, Inc. Page 2 of 2

While the corrective action due date is February 13, 2025, the required items should be submitted to the Division with enough time for review to determine their adequacy in fulfilling the required action.

Please contact me with any questions or concerns about this letter by email at <u>Jocelyn.carter@state.co.us</u> or by phone at (720) 666-1065.

Sincerely,

Jowith the

Jocelyn Carter Environmental Protection Specialist

Enclosure: Division's Reclamation Cost Estimate

Cc: Amy Eschberger, DRMS

COST SUMMARY WORK

Task description:		Cost Summary						
Site: Bedrock Mine #1		Per	Permit Action: 2024 UPDATE		Permit/Job#: <u>M1997086</u>			
PR	OJECT 1	IDENTIFIC	ATION					
	Task #:	000	State: County:	Colorado Pueblo		Abbreviation: Filename:	None M086-000	
	User:		County.	r uebio		Phename.	W1080-000	

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Grade Highwall to 3H:1V Slope	DOZER	1	3.10	\$694
002	Backfill Slab Stone Pit Areas	DOZER	1	7.18	\$1,587
003	Spread TS 1' on 29 acres	LOADER	1	132.20	\$24,645
004a	Rip 36 acres of TSSA and Stone Yard	GRADER	1	29.02	\$4,617
005	Spread and Shape TS 29.4 acres	GRADER	1	22.64	\$4,405
006	Revegetation of 29.4 acres related to mining areas	REVEGE	1	15.00	\$54,501
006a	Revegetation of 36.2 acres TSSA, Stone Yard and misc	REVEGE	1	18.00	\$28,339
006b	Weed Control 5.7 acres	REVEGE	1	0.00	\$1,931
007	Mob/Demob	MOBILIZE	1	3.85	\$4,748
		<u>SUBTC</u>	DTALS:	230.99	\$125,467

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$2,534
Performance bond:	1.05	Total =	\$1,317
Job superintendent:	104.10	Total =	\$8,252
Profit:	10.00	Total =	\$12,547
		TOTAL O & P =	\$24,651
		CONTRACT AMOUNT (direct + O & P) = $($	\$150,118

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

TOTAL BO	ND AMOUNT (d	irect + indirect) =	\$164,503
	TOTAL IN	DIRECT COST =	\$39,036
CONTINGENCY:	0.00	Total =	\$0
Reclamation management and/or administration:	5.00	-	\$7,506
Engineering work and/or contract/bid preparation:	4.25	Total =	\$6,380
Financial warranty processing (legal/related costs):	\$500	Total =	\$500

BULLDOZER WORK

Task description:	Grade Highwall	to 3H:1V S	lope				
: Bedrock Mine #1	Peri	Permit Action: 2024 UPDATE		Permit/Job#:	M1997086		
PROJECT IDENTI	IFICATION						
Task #: 001	State:	Colorado		Abbreviation:	None		
Date: 1/2/2025	County:	Pueblo		Filename:	001		
User: JLC							
Agency or or	ganization name: DR	RMS					
HOURLY EQUIPM	MENT COST						
Basic Machine:	Cat D7R DS XR Series	II					
	240						
• • •	Semi-Universal						
	3-shank ripper						
	per day						
Data Source:(CRG)						
Cost Breakdown:			I				
0 11 7 7-		*** *	<u>Utilization %</u>				
Ownership Cost/Hour		\$90.24	NA				
Operating Cost/Hour		<u>\$78.95</u> \$9.25	100 NA				
Ripper own. Cost/Hour Ripper op. Cost/Hour		\$9.25 \$5.20	NA 100				
Operator Cost/Hour		\$40.04	NA				
operator cost/fiou		φ+0.0+	INA				
MATERIAL QUAN							
	500						
	215 823 LCY	_					
Source of estimated vo		alculation					
Source of estimated sw	vell factor: Cat Hand	book					
HOURLY PRODU	CTION						
Average puch distance	: 50 feet						
Average push distance Unadjusted hourly pro-		Y/hr					
Unaujusieu nourry pro	1,022.9 LU	1/111					
Materials consistency of	description: <u>Compa</u>	cted fill or e	mbankment 0.9				
Average push gradient							
Average site altitude:	5,800 feet						
Material weight:	3,300 lbs/LCY						
Weight description:	Decomposed rock	- 75% Rock					
Job Condition Correcti		750	Source				
Operate Material cons		750 900	(AVG.)				
Dozing i		<u>900</u> 200	(CAT HB)) (SLOT)				
		<u>200</u> 000	(AVG.)				
VI		000	(A V O.)				

Task # 001

Job efficience	cy: 0.830	(1 SHIFT/DAY)
Spoil pi	le: 1.000	(DOZ-OC)
Push gradie	nt: 1.225	(CAT HB)
Altitud	le: 1.000	(CAT HB)
Material Weig	ht: 0.697	(CAT HB)
Blade typ	be: 1.000	(PAT)
Net correction	on: 0.5740	
Adjusted unit production:	587.14 LCY/hr	
Adjusted fleet production:	587.14 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.381/LCY

Total job time:	3.10 Hours
Total job cost:	\$694

BULLDOZER WORK

Task description:	Backfill Slab Sto	ne i ne mi cub			
Bedrock Mine #1	Peri	nit Action:	2024 UPDATE	Permit/Job#:	M1997086
PROJECT IDENTI	FICATION				
Task #: 002	State:	Colorado		Abbreviation:	None
Date: $1/2/2025$	County:	Pueblo		Filename:	M086-002
User: JLC					
Agency or org	anization name: DR	MS			
HOURLY EQUIPM	ENT COST				
Basic Machine: C	at D7R DS XR Series	П			
	40				
	emi-Universal		_		
	-shank ripper				
	per day				
Data Source: (0	CRG)				
Cost Breakdown:		1			
		*• • ••••••••••••	<u>Utilization %</u>		
Ownership Cost/Hour		\$90.24	NA		
Operating Cost/Hour		\$78.95 \$9.25	100 NA		
Ripper own. Cost/Hour Ripper op. Cost/Hour		\$9.23 \$2.60	<u> </u>		
Operator Cost/Hour		\$40.04			
Operator Cost/Hour	•	\$40.04	NA		
MANDDIAL OTIAN					
MATERIAL QUAN Initial Volume: 4,0	000				
Initial Volume: 4,0 Swell factor: 1.0	000				
Initial Volume: 4,0 Swell factor: 1.0 Loose volume: 4,0 Source of estimated vol	000 000 000 LCY ume:TR2 Volu		and DRMS Site Visit		
Initial Volume:4,0Swell factor:1.0Loose volume:4,0	000 000 000 LCY ume:TR2 Volu		and DRMS Site Visit		
Initial Volume: 4,0 Swell factor: 1.0 Loose volume: 4,0 Source of estimated vol Source of estimated swe HOURLY PRODUC	000 000 000 LCY ume: <u>TR2 Volu</u> ell factor: <u>Cat Hand</u>		and DRMS Site Visit		
Initial Volume: 4,0 Swell factor: 1.0 Loose volume: 4,0 Source of estimated vol Source of estimated swe HOURLY PRODUC Average push distance:	000 000 000 LCY ume: TR2 Volu ell factor: Cat Hand CTION _50 feet	book	and DRMS Site Visit		
Initial Volume: 4,0 Swell factor: 1.0 Loose volume: 4,0 Source of estimated vol Source of estimated swe HOURLY PRODUC	000 000 000 LCY ume: <u>TR2 Volu</u> ell factor: <u>Cat Hand</u> <u>CTION</u> 50 feet	book	and DRMS Site Visit		
Initial Volume: 4,0 Swell factor: 1.0 Loose volume: 4,0 Source of estimated vol Source of estimated swe HOURLY PRODUC Average push distance:	000 000 LCY ume: TR2 Volu ell factor: Cat Hand CTION uction: 50 feet 1,022.9 LC	book			
Initial Volume: 4,0 Swell factor: 1.0 Loose volume: 4,0 Source of estimated vol Source of estimated swo HOURLY PRODUC Average push distance: Unadjusted hourly prod Materials consistency d Average push gradient:	000 000 LCY ume: <u>TR2 Volu</u> ell factor: <u>Cat Hand</u> <u>50 feet</u> uction: <u>1,022.9 LC</u> escription: <u>Consol</u>	book Y/hr			
Initial Volume: 4,0 Swell factor: 1.0 Loose volume: 4,0 Source of estimated vol Source of estimated swo HOURLY PRODUC Average push distance: Unadjusted hourly prod Materials consistency d	000 000 LCY ume: <u>TR2 Volu</u> ell factor: <u>Cat Hand</u> <u>CTION</u> uction: <u>50 feet</u> 1,022.9 LC escription: <u>Consol</u>	book Y/hr			
Initial Volume: 4,0 Swell factor: 1.0 Loose volume: 4,0 Source of estimated vol Source of estimated swo HOURLY PRODUC Average push distance: Unadjusted hourly prod Materials consistency d Average push gradient:	000 000 LCY ume: <u>TR2 Volu</u> ell factor: <u>Cat Hand</u> <u>50 feet</u> uction: <u>1,022.9 LC</u> escription: <u>Consol</u>	book Y/hr			
Initial Volume: 4,0 Swell factor: 1.0 Loose volume: 4,0 Source of estimated vol Source of estimated vol Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly prod Materials consistency d Average push gradient: Average site altitude:	000 000 LCY ume: TR2 Volu ell factor: Cat Hand CTION uction: 50 feet 1,022.9 LC escription: Consol: -5 % 5,800 feet	book Y/hr idated stockp	 ile 1.0		
Initial Volume: 4,0 Swell factor: 1.0 Loose volume: 4,0 Source of estimated vol Source of estimated vol Source of estimated swo HOURLY PRODUC Average push distance: Unadjusted hourly prod Materials consistency d Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction	000 000 LCY ume: TR2 Volu ell factor: Cat Hand CTION uction: 1,022.9 LC escription: Consol: <u>-5 %</u> <u>5,800 feet</u> 2,900 lbs/LCY Decomposed rock on Factor	book Y/hr idated stockp			
Initial Volume: 4,0 Swell factor: 1.0 Loose volume: 4,0 Source of estimated vol Source of estimated swo HOURLY PRODUC Average push distance: Unadjusted hourly prod Materials consistency d Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operato	$\begin{array}{c c} \hline 000 \\ \hline LCY \\ \hline \\ \hline 000 \\ \hline LCY \\ \hline \\ \hline \\ \hline 000 \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline$	book Y/hr idated stockp - 50% Rock, 750			
Initial Volume: 4,0 Swell factor: 1.0 Loose volume: 4,0 Source of estimated vol Source of estimated swo HOURLY PRODUC Average push distance: Unadjusted hourly prod Materials consistency d Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operato Material consi	000 000 LCY ume: TR2 Volu ell factor: Cat Hand CTION 50 feet uction: 1,022.9 LC escription: Consolition: -5 % 5,800 feet 2,900 lbs/LCY Decomposed rock on Factor r r Skill: 0. stency: 1.	book Y/hr idated stockp - 50% Rock, 750 000	50% Earth <u>Source</u> (AVG.) (CAT HB)		
Initial Volume: 4,0 Swell factor: 1.0 Loose volume: 4,0 Source of estimated vol Source of estimated swo HOURLY PRODUC Average push distance: Unadjusted hourly prod Materials consistency d Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operato Material consi. Dozing m	$\begin{array}{c c} \hline 000 \\ \hline LCY \\ \hline \\ ume: \underline{TR2 Volu} \\ \hline \\ Cat Hand \\ \hline$	book Y/hr idated stockp - 50% Rock, 750			

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.900	(SSD-FC)
Push gradient:	1.115	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.793	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.5449	
Adjusted unit production: 5:	57.38 LCY/hr	
Adjusted fleet production: 5	57.38 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.397/LCY

Total job time:	7.18 Hours
Total job cost:	\$1,587

WHEEL LOADER - LOAD AND CARRY WORK

Task description:	Spread TS 1' or	n 29 acres				
te: Bedrock Mine #1	Pe	rmit Action	: <u>2024 UPD</u>	ATE	Permit/Job#:	M1997086
PROJECT IDENTI	FICATION					
Task #: 003	State:	Colorad	0		Abbreviation:	None
Date: $1/2/2025$	County:	-	0		Filename:	003
User: JLC	·					
Agency or org	ganization name: <u>D</u>	RMS				
HOURLY EQUIPM	IENT COST					
Basic Machine:	CAT 980H			Horsepo	wer:	315
Attachment 1:	ROPS Cab			Shift Ba		ber day
						CRG)
Cast Drashdarma					,	· · · · · ·
Cost Breakdown:			Utilization	0/2		
Ownership Cos	t/Hour: \$69	.00	NA	70		
Operating Cos			100			
Operator Cos			NA			
Total Unit Cos	t/Hour: \$186	5.41				
Total Fleet Co	st/Hour: \$18	6.41	_			
MATERIAL QUAN Initial volume:	46,787	CCY	Swell	factor: 1.0	00	
Loose volume:	46,787	LCY	Bwei	1.0		
	ř.					
	e of estimated volume estimated swell factor	-	Estimate ndbook			
Source of	estimated swell factor		IIddook			
HOURLY PRODU	TION					
Loader Cycle Time:	Unadjusted Basic	c Cycle Tim	ne (load, dump,	maneuver):	0.550	minutes
Cycle Time Fac	ctors				Factor (min.)	Source
Mate		to 6" diame	ter 0.00		0.000	(Cat HB)
Stock			10 ft. high or le	ss 0.01	0.010	(Cat HB)
Truck Owners	hip: No adjustmen	t - factor no	t applicable 0.0	00	0.000	(Cat HB)
Operat	<i>v</i>		ot applicable 0.	00	0.000	(Cat HB)
Dump Tai	rget: Nominal targe				0.000	(Cat HB)
			Cycle Time Adj		0.010	minutes
		Adju	sted Basic Cyc	le Time:	0.560	minutes
Rolling Resistance – Ro	oad Conditions					
Hau						
Retur	n: Firm, smooth, ro	olling, dirt/lt	t. surfaced, wat	ered, maintain	ed 3.0	
Haul and Return Time						
main and Return Thile		1	!			I
	Length Grad	e Res.	Rolling	Total Res.	Travel Time	Source

		-	otal Travel T Total Cycle T		minutes minutes
Load Bucket Capacity					
Rated Capacity Bucket Fill Facto Adjusted Capacity	r: 1.100	LCY (heaped) Other - rock/d LCY		(100-120%) 1.100	
Job Condition Correction Site Altitude: <u>5800</u> feet		-			
		Source			
Altitude Adj:	1.00	(CAT HB)			
Job Efficiency:	0.83	(1 shift/day)			
Net Correction:	0.83	multiplier			
Una	adjusted Hourly Unit H	Production:	426.37	LCY/Hour	
A	djusted Hourly Unit I	Production:	353.89	LCY/Hour	
А	djusted Hourly Fleet I	Production:	353.89	LCY/Hour	
JOB TIME AND CO	<u>ST</u>				

Fleet size:	1	Loader(s)	Total job time:	132.21	Hours
Unit cost:	\$0.527	/LCY	Total job cost:	\$24,645	_

MOTOR GRADER WORK

Task description:	Rip 36 acres of TSSA and	d Stone Yard		
Bedrock Mine #1	Permit Actio	on: 2024 UPDATE	E Perm	it/Job#: <u>M1997086</u>
PROJECT IDENTI	FICATION			
Task #: 004A	State: Colora	do	Abbrevi	ation: None
Date: 1/2/2025	County: Pueblo)	File	name: M086-004a
User: JLC	5			
Agency or org	ganization name:			
HOURLY EQUIPM	IENT COST			
Basic Machi	ne: CAT 120M		Horsepower:	138
Ripper Attachme			Shift Basis:	1 per day
11			Data Source:	(CRG)
Cost Breakdown:		1		
		* * * * * *	Utilization %	
	nership Cost/Hour:	\$52.82	NA	
	erating Cost/Hour:	\$43.76	100 NA	
	nership Cost/Hour:	\$3.06	<u>NA</u>	
	erating Cost/Hour: perator Cost/Hour:	\$2.73 \$56.70	100 NA	
	al Unit Cost/Hour:	\$159.07	INA	
10		\$139.07		
Tot	al Fleet Cost/Hour:	\$159.07		
Sou	rce of estimated acreage: <u>An</u>	nual Report and site	inspection	
HOURLY PRODU				
	Average Grader Speed:	1.50	mph	
	Selected Application:		ping (0-3 mph) - 1.5	0
	Selected Blade Angle:	-1	degrees	
Wi At	Effective Blade Length:	0.00 2.00	feet feet	
	g or ripping width per pass:	7.58	feet	
	ed Hourly Unit Production:	1.3782	acres/hour	
Job Condition Correction			e Altitude: <u>5800</u> fee	t
	Sou	irce		
Altitude Adj:	1.00 (CAT			
Job Efficiency:	0.90 (1sh/d			
Net Correction:	0.9000 multip	olier		
	Adjusted Hourly Unit Producti	on: 1.2404	acres/Hour	
	Adjusted Hourly Fleet Producti		acres/Hour	
JOB TIME AND CO	<u>DST</u>			
Fleet size:	1 Grader(s)	Total job time	29.02	Hours
Unit cost: \$1	28.24 per acre	Total job cost	\$4,617	

MOTOR GRADER WORK

PROJECT IDENTIFICATION Task # .005 State: Colorado Abbreviation: None Date: 1/2/2025 County: Pueblo Filename: Mone Date: 1/2/2025 County: Pueblo Filename: Mone Agency or organization name: DRMS HOURLY EOUIPMENT COST Basic Machine: CAT 140M Horsepower: 183 Ripper Attachmen: Multi-Shank Ripper Data Source: (CCG) Ownership Cost/Hour: \$77.29 NA Dopataling Cost/Hour: \$65.87 100 Ripper Operating Cost/Hour: \$57.29 NA Dopataling Cost/Hour: \$57.29 NA Total Unit Cost/Hour: \$194.51 Total Unit Cost/Hour: \$194.51 Total Unit Cost/Hour: \$194.51 Total Teet Cost/Hour: \$194.51 Goree of estimated acreage: Annual Report and Site Inspection acres Bource of estimated acreage: Annual Report and Site Inspection Goree of estimated acreage: 1.00 feet MORELY PRODUCTION Selected Application: Selected Application: 1.527.3 acres/hour Selected Application: 1.527.3 acres/hour degrees <th>Task description:</th> <th>Spread and Shape TS</th> <th>29.4 acres</th> <th></th> <th></th>	Task description:	Spread and Shape TS	29.4 acres		
Date: 1/2/2025 County: Pueblo Filename: M086-0 User: JLC	Bedrock Mine #1	Permit A	ction: 2024 UPDA	<u>FE</u> Per	mit/Job#: <u>M1997086</u>
Date: 1/2/2025 County: Pueblo Filename: M086-0 User: JLC	PROJECT IDENTI	FICATION			
User: JLC Agency or organization name: DRMS HOURLY EQUIPMENT COST Basic Machine: CAT 140M Ripper Attachment: Multi-Shank Ripper Shift Basis: 1 per day Data Source: (CRG) Cost Breakdown: Vultization % Operating Cost/Hour: \$77.29 NA Operating Cost/Hour: \$55.637 100 Ripper Operating Cost/Hour: \$30.66 NA Ripper Operating Cost/Hour: \$57.29 NA Operating Cost/Hour: \$57.29 NA Total Unit Cost/Hour: \$194.51 Total Unit Cost/Hour: \$194.51 Total Pleet Cost/Hour: \$194.51 acres Source of estimated acreage: Annual Report and Site Inspection MOURLY PRODUCTION	Task #: 005	State: Col	orado	Abbre	viation: None
Agency or organization name: DRMS HOURLY EQUIPMENT COST Basic Machine: CAT 140M Horsepower: 183 Ripper Attachment: Multi-Shank Ripper Shift Basis: 1 per day. Oct Breakdown: Statist Basis: 1 per day. Operating Cost/Hour: \$56.87 100 Operating Cost/Hour: \$56.87 100 Operating Cost/Hour: \$50.00 0 Operating Cost/Hour: \$51.04 0 Ripper Operating Cost/Hour: \$194.51 0 Total Unit Cost/Hour: \$194.51 1 Total Area to be graded or ripped: 29.40 acres Source of estimated acreage: Annual Report and Site Inspection acres Source of estimated acreage: 1.50 mph) - 1.5 selected Blade Angle: 30 degreese Effective Blade Length: 10.40 feet 10.40 feet 10.40 feet 1.5273 acres/hour De Condition Correction Factor Site Altitude: \$800 feet 1.5273 acres/hour 1.5273 acres/hour Job Efficiency: 0.850 (1sh/d, mod.) 1.2982 <th>Date: 1/2/2025</th> <th>County: Pue</th> <th>eblo</th> <th>Fi</th> <th>lename: M086-005</th>	Date: 1/2/2025	County: Pue	eblo	Fi	lename: M086-005
HOURLY EOUIPMENT COST Basic Machine: CAT 140M Horsepower: 183 Ripper Attachment: Multi-Shank Ripper Shift Basis: 1 per day Ownership Cost/Hour: \$\$17.29 NA Operating Cost/Hour: \$\$(CRG) Ownership Cost/Hour: \$\$56.87 100 Source: (CRG) Na Operating Cost/Hour: \$\$3.06 NA Operating Cost/Hour: \$\$194.51 Total Unit Cost/Hour: \$\$194.51 Total Teet Cost/Hour: \$\$194.51 acres Source of estimated acreage: Annual Report and Site Inspection acres Busice Machine: Selected Application: Finish grading (0-2.5 mph) - 1.5 \$\$200 feet Selected Application: Selected Application: Selected Application: \$\$10.40 feet Selected Blade Angle: 0.00 feet \$\$100 feet \$\$100 feet Width of blade overlap per pass: 2.00 feet \$\$200 feet \$\$200 feet Selected Blade Angle: 0.850 IIII for (CAT HB) feet \$\$200 feet \$\$200 feet Width of bl	User: JLC	·			
HOURLY EQUIPMENT COST Basic Machine: CAT 140M Horsepower: 183 Ripper Attachment: Multi-Shank Ripper Shift Basis: 1 per day Out Source: (CRG) Ownership Cost/Hour: \$55.87 100 Na Operating Cost/Hour: \$55.87 100 Ripper Operating Cost/Hour: \$53.06 NA Operator Cost/Hour: \$57.29 NA Operator Cost/Hour: \$194.51 Total Unit Cost/Hour: \$194.51 Total Fleet Cost/Hour: \$194.51 acres Source of estimated acreage: Annual Report and Site Inspection acres Busice Grader Speed: 1.50 mph ns Selected Application: Finish grading (0-2.5 mph) - 1.5 Selected Application: Selected Application: Selected Application: 10.40 feet 10.40 feet Width of blade overlap per pass: 2.00 feet 1.273 acres/hour Selected Application: 1.5273 acres/hour Site Altitude: S800 feet Stie Altitude: S800 feet Width of blade overlap per pass: 2.00 feet	A concer on on	DDMS			
Basic Machine: CAT 140M Horsepower: 183 Ripper Attachment: Multi-Shank Ripper Shift Basis: 1 per day Cost Breakdown: Utilization % (CRG) Ownership Cost/Hour: \$77.29 NA Operating Cost/Hour: \$3.06 NA Ripper Ownership Cost/Hour: \$3.00 0 Operating Cost/Hour: \$194.51 Total Unit Cost/Hour: \$194.51 Total Fleet Cost/Hour: \$194.51 Total Fleet Cost/Hour: \$194.51 Total Area to be graded or ripped: 29.40 acres Source of estimated acreage: Annual Report and Site Inspection acres HOURLY PRODUCTION Selected Application: Finish grading (0-2.5 mph) - 1.5 selected Application: Selected Blade Angle: 30 degrees degrees Effective Blade Length: 10.040 feet stitude: 5800 feet Net grading or ripping width per pass: 2.00 feet stitude: 5800 feet Mutadjusted Hourly Unit Production: 1.5273 acres/hour dijusted Hourly Fleet Production: 1.2982 acres/hour Job Efficiency:<	Agency of org	gamzation name. DRMS			
Ripper Attachment: Multi-Shank Ripper Shift Basis: 1 per day Data Source: Cost Breakdown: Utilization % Operating Cost/Hour: \$77.29 NA Operating Cost/Hour: \$56.87 100 Ripper Ownership Cost/Hour: \$53.66 NA Ripper Ownership Cost/Hour: \$53.66 NA Ripper Ownership Cost/Hour: \$57.29 NA Operator Cost/Hour: \$57.29 NA Total Unit Cost/Hour: \$194.51 Total Fleet Cost/Hour: \$194.51 MATERIAL QUANTITIES Total Area to be graded or ripped: 29.40 Source of estimated acreage: Annual Report and Site Inspection HOURLY PRODUCTION Average Grader Speed: 1.50 Mation blade overlap per pass: 20.00 feet Selected Blade Angle: 30 degrees Effective Blade Length: 10.40 feet Width of blade overlap per pass: 2.00 feet Net grading or ripping width per pass: 8.40 feet Job Efficiency: 0.85 (Ish/d, mod.) Job Efficiency: 0.85 (Ish/d, mod.) </td <td>HOURLY EQUIPM</td> <td>IENT COST</td> <td></td> <td></td> <td></td>	HOURLY EQUIPM	IENT COST			
Cost Breakdown: Data Source: (CRG) Ownership Cost/Hour: \$77.29 NA Operating Cost/Hour: \$3.06 NA Ripper Ownership Cost/Hour: \$3.06 NA Ripper Ownership Cost/Hour: \$3.06 NA Ripper Ownership Cost/Hour: \$3.06 NA Operator Cost/Hour: \$3.06 NA Total Unit Cost/Hour: \$57.29 NA Total Init Cost/Hour: \$194.51 acres MATERIAL OUANTITIES Total Area to be graded or ripped: 29.40 acres Source of estimated acreage: Annual Report and Site Inspection acres HOURLY PRODUCTION Selected Application: Finish grading (0-2.5 mph) - 1.5 Selected Application: Finish grading (0-2.5 mph) - 1.5 Selected Blade Angle: 30 degrees Effective Blade Length: 10.40 feet Width of blade overlap per pass: 2.00 feet Vidth of blade overlap per pass: 2.00 feet Unadjusted Hourly Unit Production: 1.5773 acres/hour Job Efficiency: 0.85 (1sh/d, mod.)	Basic Machi	ne: CAT 140M		Horsepower:	183
Cost Breakdown: Utilization % Ownership Cost/Hour: \$77.29 NA Operating Cost/Hour: \$3.06 NA Ripper Ownership Cost/Hour: \$3.00 0 Operating Cost/Hour: \$3.06 NA Ripper Operating Cost/Hour: \$3.00 0 Operator Cost/Hour: \$3.00 0 Operator Cost/Hour: \$57.29 NA Total Unit Cost/Hour: \$194.51	Ripper Attachme	ent: Multi-Shank Ripper		Shift Basis:	1 per day
Image: Control of the state of the stat				Data Source:	(CRG)
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Adjusted Hourly Fleet Production: 1.2982 acres/Hour JOB TIME AND COST		Adjusted Hourly Unit Produ	iction: 1 2982	acres/Hour	
JOB TIME AND COST Fleet size: 1 Grader(s) Total job time: 22.65 Hours					
Fleet size: 1 Grader(s) Total job time: 22.65 Hours			1.2/02		
	JOB TIME AND C	<u>OST</u>			
	Fleet size:	1 Grader(s)	Total job tim	ne: 22.65	Hours
Unit cost: \$149.83 per acre Total job cost: \$4,405	Unit cost: \$1	49.83 per acre	Total job co	st: \$4,405	

REVEGETATION WORK

Task descrip	otion:	Revegetation of	29.4 acres re	elated to mining areas	5	
ite: Bedrock	Mine #1	Pe	rmit Action:	2024 UPDATE	Permit/Jo	b#: <u>M1997086</u>
PROJECT			Calanada		Abbassisticas	Nana
Task #: Date:	006 1/2/2025	State: County:	Colorado Pueblo		Abbreviation: Filename:	None M086-006
User:	JLC					

FERTILIZING

Materials

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

Application

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

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Weed control spraying (MEANS 31 31 16.13 3100)	\$338.80
Total Tilling Cost/Acre	\$456.41

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Orchardgrass - Paiute	1.00	12.40	\$4.59
Rye, Perennial Tetraploid - Tetra-Plus	1.00	5.67	\$2.28
Crested Wheatgrass - Hy-Crest	1.00	4.59	\$5.05
Russian Wildrye - Bozoisky	2.00	8.03	\$22.15
Smooth Brome - Lincoln	2.00	6.66	\$9.71
Intermediate Wheatgrass - Oahe	2.00	4.27	\$9.29
Slender Wheatgrass - Native	1.00	3.65	\$7.06
		45.27	\$60.13

Totals Seed Mix	10.00
I otulo becu tritta	10.00

Application

Description		Cost /Acre
Drill Seeding (DRMS Survey Cost)		\$236.64
	Total Seed Application Cost/Acre	\$236.64

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Hay, 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
					\$
	\$0.00				

Estimate *Selected Replanti	No. of Acres: ed Failure Rate: ng Work Items:	10%	Cost /Acre: Cost /Acre*:	
Initial Job Cost: Reseeding Job Cost: Total Job Cost: Job Hours:	\$872.50 \$54,501		-	

REVEGETATION WORK

Ta	sk descrip	tion:	Revegetation of 36.2 acres TSSA, Stone Yard and misc				
Site: _]	Bedrock I	Mine #1	Per	mit Action:	2024 UPDATE	Permit/Job	o#: <u>M1997086</u>
PR	OJECT 1	IDENTIFIC	ATION				
	Task #:	006A	State:	Colorado		Abbreviation:	None
	Date:	1/2/2025	County:	Pueblo		Filename:	M086-006a
	User:	JLC					
	Age	ncy or organiz	zation name: DR	MS			

FERTILIZING

Materials

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

Application

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

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Weed control spraying (MEANS 31 31 16.13 3100)	\$338.80
Total Tilling Cost/Acre	\$456.41

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Orchardgrass - Paiute	1.00	12.40	\$4.59
Rye, Perennial Tetraploid - Tetra-Plus	1.00	5.67	\$2.28
Crested Wheatgrass - Hy-Crest	1.00	4.59	\$5.05
Russian Wildrye - Bozoisky	2.00	8.03	\$22.15
Smooth Brome - Lincoln	2.00	6.66	\$9.71
Intermediate Wheatgrass - Oahe	2.00	4.27	\$9.29
Slender Wheatgrass - Native	1.00	3.65	\$7.06
		45.27	\$60.13

Totals Seed Mix	10.00
	10.00

Application

Description		Cost /Acre
Drill Seeding (DRMS Survey Cost)		\$236.64
	Total Seed Application Cost/Acre	\$236.64

MULCHING and MISCELLANEOUS

Materials

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

Application

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

NURSERY STOCK PLANTING

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

Estimate *Selected Replantin	No. of Acres: d Failure Rate: g Work Items:	10%	Cost /Acre: Cost /Acre*:	
Initial Job Cost: Reseeding Job Cost: Total Job Cost: Job Hours:	\$1,074.31 \$28,339			

REVEGETATION WORK

Task descrip	otion:	Weed Control 5.7 acres			
Site: Bedrock	Mine #1	Permit Action:	2024 UPDATE	Permit/Job	o#: <u>M1997086</u>
	<u>IDENTIFIC</u>				
Task #:	006B	State: Colorado		Abbreviation:	None
Date:	1/2/2025	County: Pueblo		Filename:	M086-006b
User:	JLC				
User:	JLC	County: <u>Pueblo</u> zation name: DRMS		Filename:	M086-00

FERTILIZING

Materials

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

Application

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

TILLING

Description	Cost /Acre
Weed control spraying (MEANS 31 31 16.13 3100)	\$338.80
Total Tilling Cost/Acre	\$338.80

SEEDING

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

Application

Description	Cost /Acre
	\$

Total Seed Application Cost/Acre

\$0.00

MULCHING and MISCELLANEOUS

Materials

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

Application

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

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

Job Hours: 0.00

	No. of Acres:	5.7	Cost /Acre:	\$338.80
Estimated Failure Rate:		0%	Cost /Acre*:	\$338.80
*Selected Replanting Work Items:		TILLING		
Initial Job Cost:	\$1,931.16			
Reseeding Job Cost:	\$0.00			
Total Job Cost:	\$1,931			

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description	: <u>Mo</u>	b/Demob					
te: Bedrock Mine #1 Permit Action: 2024		Action: 2024	UPDATE	JPDATE Permit/Job#: M1997086			
PROJECT IDE	NTIFICATI	<u>ON</u>					
Task #: 00	7	State: Co	olorado		Abbro	eviation: None	
Date:1/2/2025County:PuebloUser:JLC			F	lename: M086	-007		
Agency	or organization	n name: DRMS					
EQUIPMENT '	TRANSPOR	<u>T RIG COST</u>					
					Shift ba	sis: 1 per da	у
					Cost Data Sou		
Truc	k Tractor Desc	ription: GENE	RIC ON-HIGH	WAY TR	UCK TRACTO	DR, 6X4, DIESEL	POWERED.
1140	R Huetor Debe				(2ND HALF,		row Erceb,
True	ck Trailer Desc	ription: G	ENERIC FOLD		· · · · · · · · · · · · · · · · · · ·	ROP DECK EQU	IPMENT
110		inputtini C			(25T, 50T, Al		
					- 1 1		
Cost Breakdown:							
Available Rig (0-25 Tons	26-50 Tons		+ Tons		
Ownershi	p Cost/Hour:	\$10.44	\$22.18		23.94		
Operatin	g Cost/Hour:	\$26.48	\$54.55	\$	55.65		
Operato	or Cost/Hour:	\$22.52	\$22.52	\$	22.52		
Helpe	er Cost/Hour:	\$0.00	\$23.53	\$	23.53		
	it Cost/Hour:	\$59.44	\$122.78		25.64		
NON ROADAE	BLE EQUIPN	<u>/IENT:</u>					
NON ROADAE Machine			Haul Rig	Fleet	Haul Trip	Return Trip	DOT Permit
Machine	BLE EQUIPN Weight/ Unit	MENT: Owner ship Cost/hr/ unit	Haul Rig Cost/hr/uni	Fleet Size	Haul Trip Cost/hr/	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
	Weight/ Unit	Owner ship			Cost/hr/	Return Trip Cost/hr/ fleet	
Machine Description Cat D7R DS XR	Weight/	Owner ship	Cost/hr/uni			Return Trip Cost/hr/ fleet \$122.78	
Machine Description Cat D7R DS XR Series II	Weight/ Unit (TONS) 35.93	Owner ship Cost/hr/ unit \$99.49	Cost/hr/uni t	Size	Cost/hr/ fleet \$222.27	Cost/hr/ fleet	Cost/ fleet \$250.00
Machine Description Cat D7R DS XR	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Cost/hr/uni t \$122.78	Size	Cost/hr/ fleet	Cost/hr/ fleet \$122.78	Cost/ fleet
Machine Description Cat D7R DS XR Series II CAT 980H	Weight/ Unit (TONS) 35.93 33.12	Owner ship Cost/hr/ unit \$99.49 \$69.00	Cost/hr/uni t \$122.78 \$122.78	Size	Cost/hr/ fleet \$222.27 \$191.78	Cost/hr/ fleet \$122.78 \$122.78	Cost/ fleet \$250.00 \$250.00

 Subtotals:
 \$754.76
 \$423.88
 \$1,000.00

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	\$108.47	1	\$108.47	\$108.47
Subtotals:			\$108.47	\$108.47

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: Total one-way travel distance: Average Travel Speed:	PUEBLO 20.00 55.00	miles mph
Total Non-Roadable Mob/Demob Cost *	\$4,668.62	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$78.89	

Transportation Cycle Time:

	Non- Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.36	0.36
Return Time (Hours):	0.36	0.36
Loading Time (Hours):	0.70	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.93	0.73

JOB TIME AND COST

Total job time: 3.85 Hours

Total job cost: ______\$4,748_____