January 25, 2024

Franchesca Mallonee High Flume Gravel Pit, Inc. 9755 CR 213 Durango, CO 81303



1313 Sherman Street, Room 215 Denver, CO 80203

RE: High Flume Gravel Pit, Permit # M-1990-093, Reclamation Costs Update

Dear Operator:

In an effort to ensure the Financial Warranty for the above referenced site adequately reflects the actual current costs of fulfilling the requirements of the approved reclamation plan, the Colorado Division of Reclamation, Mining and Safety (Division) has updated the reclamation cost estimate (copy enclosed) for this site. Division calculations estimate the cost to reclaim the site to be \$202,646.00. This is an increase of \$130.001.00 over the \$72,645.00 currently held by the Division.

Within 15 days, please review the attached estimate and notify me if any calculation errors are noted.

If you require additional information, or have questions or concerns, please contact me.

Sincerely,

Dustin Czapla

Environmental Protection Specialist

Division of Reclamation, Mining and Safety

Phone: (303) 866-3567, ext. 8188



COST SUMMARY WORK

7	Task description: 2024-01-23 Update				
Site:	High Flume Gravel Pit Permit Action:	2024-01-23 Up	date	Permit/Jo	ob#: <u>M1990093</u>
<u>P</u>]	ROJECT IDENTIFICATION				
	Task #: 000 State: Colorado		A	Abbreviation:	None
	Date: 1/23/2024 County: La Plata			Filename:	M093-000
	User: DMC				
	Agency or organization name: DRMS				
<u>T</u> .	ASK LIST (DIRECT COSTS)				
Fask		Form	Fleet	Task	6 .
	Description	Used	Size	Hours	Cost
)1a	Backfill 150' of Phase 1 highwall Cut & Fill reduction of Phase 1 highwall	DOZER	- I	79.59	\$35,207
)2a)3a	Regrade Phase 2 area to slight grade toward pit	DOZER DOZER	$\frac{1}{1}$	44.38 24.33	\$19,633 \$10,762
)4a	Remove gravel surface from stockpile area and rip	DOZER	$\frac{1}{1}$	3.42	\$10,762
J 4 a	surface	DOZEK	1	3.42	\$1,564
)5a	Replace Topsoil on Phase 1 area	DOZER	1	9.72	\$4,298
)6a	Replace Topsoil on Phase 2 area	DOZER	1	7.02	\$3,106
)7a	Rip topsoil under gravel storage area prior to revegetation	RIPPER	1	3.17	\$1,493
)8a	Revegetation	REVEGE	1	15.00	\$86,159
)9a	Mobilize/Demobilize	MOBILIZE	1	3.60	\$2,550
		SUBTO	OTALS:	190.2	\$164,792
<u>IN</u>	NDIRECT COSTS				1
<u>O</u>	<u>VERHEAD AND PROFIT:</u>				
	Liability insurance: 2.02				\$3,329
	Performance bond: 1.05				\$1,730
	Job superintendent: 95.11				\$6,190
	Profit: 10.00		тоты		\$16,479
	CONT	RACT AMOUNT			\$27,728 \$192,520
	CONT	ICICI AMOUNI	(uncer)	<u> </u>	Ψ172,320
LI	EGAL - ENGINEERING - PROJECT MANAGEMENT	:			
	Financial warranty processing (legal/related costs):	\$500	<u> </u>	Total =	\$500
	Engineering work and/or contract/bid preparation:	0.00	_		\$0
	Reclamation management and/or administration:	5.00	<u> </u>		\$9,626
	CONTINGENCY:	0.00		Total =	\$0

TOTAL INDIRECT COST = \$37,854

TOTAL BOND AMOUNT (direct + indirect) = \$202,646

Task description:	Backfill 150' of	Phase 1 high	wall		
: High Flume Gravel	Pit Pe	rmit Action:	2024-01-23 Update	Permit/Job#:	M1990093
PROJECT IDENTI	FICATION				
Task #: 01A Date: 1/23/2024 User: DMC	State: County:	Colorado La Plata		Abbreviation: Filename:	None M093-01a
Agency or org	anization name:D	RMS			
HOURLY EQUIPM	ENT COST				
Basic Machine: C	at D9T - 9SU				
	05		_		
Blade Type: So	emi-Universal				
Attachment: N	A		_		
Shift Basis: 1	per day				
Data Source: (C	CRG)				
Cost Breakdown:					
Cost Dicardowii.			Utilization %		
Ownership Cost/Hour		\$238.76	NA		
Operating Cost/Hours		\$162.29	100		
Ripper own. Cost/Hours		\$0.00	NA		
Ripper op. Cost/Hour:		\$0.00	0		
Operator Cost/Hours		\$41.30	NA		
Total unit Cost/Hour:	\$442.35				
Total Fleet Cost/Hour:	\$442.35				
MATERIAL QUAN	TITIFS				
	<u>.</u>				
	,000				
	.10				
Loose volume: 33,	,300 LCY				
Source of estimated vol	ume Divisior	of Reclamati	on, Mining & Safety		
Source of estimated swe			on, wining & surety		
HOURLY PRODUC	CTION				
Average push distance:	200 feet				
Unadjusted hourly prod	uction: 700.0 LCY	//hr			
Materials consistency d	escription: Partly	consolidated	stockpile 1.1		
Average push gradient:	-15 %				
Average push gradient. Average site altitude:	6,500 feet				
riverage site airitude.	0,500 1001				
Material weight:	2,800 lbs/LCY				
Weight description:	Clay - Natural be	d			
Job Condition Correction	on Factor		Source		
Operato		0.750	(AVG.)		
Material consis		1.100	(CAT HB)		
Dozing m		1.000	(GEN.)		
		1.000	(AVG)		

Job efficiency:

0.830

(1 SHIFT/DAY)

Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.329	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production: 418.39 LCY/hr
Adjusted fleet production: 418.39 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$1.057/LCY

Total job time: 79.59 Hours
Total job cost: \$35,207

		Cut & Fill reduction of Phase 1 highwall				
High Flume Gra	vel Pit	Permit Action:	2024-01-23 Update	Permit/Job#:	M1990093	
PROJECT IDEN	TIFICATION					
Task #: 02A		State: Colorado		Abbreviation:	None	
Date: $\frac{0271}{1/23/2}$	2024	County: La Plata		Filename:	M093-02a	
User: DMC		<u> </u>		_	111095 024	
Agency or	organization nam	ne: DRMS				
HOURLY EQUI	PMENT COST	7				
Basic Machine:	Cat D9T - 9SU		<u></u>			
Horsepower:	405	1	<u>—</u>			
Blade Type: Attachment:	Semi-Universal NA					
Shift Basis:	1 per day					
Data Source:	(CRG)					
Cost Breakdown:						
0 11 0 //		***	<u>Utilization %</u>			
Ownership Cost/H		\$238.76 \$162.29	NA 100			
Operating Cost/He Ripper own. Cost/He		\$102.29	NA			
Ripper op. Cost/H		\$0.00	0			
Operator Cost/H		\$41.30	NA			
Total unit Cost/Hour	r: \$442.35					
Total Fleet Cost/Hor	ur: \$442.35					
MATERIAL QU. Initial Volume:	ANTITIES 32,500					
MATERIAL QU	ANTITIES					
MATERIAL QU. Initial Volume: Swell factor:	32,500 1.180 38,350 LCY volume: I	Division of Reclamati	on, Mining & Safety			
MATERIAL QU. Initial Volume: Swell factor: Loose volume: Source of estimated	32,500 1.180 38,350 LCY volume:		ion, Mining & Safety			
MATERIAL QU. Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated	32,500 1.180 38,350 LCY volume: I COUCTION ace: 75		ion, Mining & Safety			
MATERIAL QU. Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distan	32,500 1.180 38,350 LCY volume: I swell factor: COUCTION ace: 75 production: 1,5	Cat Handbook feet				
MATERIAL QU. Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distan Unadjusted hourly p	32,500 1.180 38,350 LCY volume:	feet 14.3 LCY/hr Compacted fill or e				
MATERIAL QU. Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distan Unadjusted hourly p Materials consistence Average push gradie	32,500 1.180 38,350 LCY volume:	feet 14.3 LCY/hr Compacted fill or e				
MATERIAL QU. Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distan Unadjusted hourly p Materials consistence Average push gradie Average site altitude	32,500 1.180 38,350 LCY volume: I Swell factor: OUCTION 1,5 Swell factor: 1,5 Swell factor: 2,400 lbs/	feet 14.3 LCY/hr Compacted fill or e				
MATERIAL QU. Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distan Unadjusted hourly p Materials consistence Average push gradie Average site altitude Material weight: Weight description: Job Condition Corre	32,500 1.180 38,350 LCY volume:	feet 14.3 LCY/hr Compacted fill or e	mbankment 0.9			
MATERIAL QU. Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distan Unadjusted hourly p Materials consistence Average push gradie Average site altitude Material weight: Weight description: Job Condition Correct Open	32,500 1.180 38,350 LCY volume: I Swell factor: OUCTION 1,5 Oroduction: 1,5 Oroduction: 1,5 Oroduction: 1,5 Oroduction: 2,400 lbs/ Clay and Oction Factor Oction Factor Clay and Oction Factor Oction Fa	feet 14.3 LCY/hr Compacted fill or e LCY gravel - Dry 0.750	mbankment 0.9 Source (AVG.)			
MATERIAL QU. Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distan Unadjusted hourly p Materials consistence Average push gradie Average site altitude Material weight: Weight description: Job Condition Corre Oper Material co	32,500 1.180 38,350 LCY volume: I Swell factor: OUCTION 1,5 Oroduction: 1,5 Oroduction: 1,5 Oroduction: 1,5 Oroduction: 2,400 lbs/ Clay and Oction Factor Oction Factor Clay and Oction Factor Oction Fa	feet 14.3 LCY/hr Compacted fill or e	mbankment 0.9			

0.830	(1 SHIFT/DAY)
0.800	(SSD-AC)
1.329	(CAT HB)
1.000	(CAT HB)
0.958	(CAT HB)
1.000	(PAT)
	0.800 1.329 1.000 0.958

Adjusted unit production: 864.06 LCY/hr
Adjusted fleet production: 864.06 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.512/LCY

Total job time: 44.38 Hours
Total job cost: \$19,633

Task description:	Regrade Phase 2	area to slig	ht grade toward pit		
High Flume Gravel P	Per Per	mit Action:	2024-01-23 Update	Permit/Job#:	M1990093
PROJECT IDENTIF	<u>ICATION</u>				
Task #: 03A Date: 1/23/2024 User: DMC	State: County:	Colorado La Plata		Abbreviation: Filename:	None M093-03a
Agency or orga	nization name: DI	RMS			
HOURLY EQUIPME	ENT COST				
	t D9T - 9SU				
Horsepower: 40:			<u></u>		
7 1	mi-Universal		<u> </u>		
Attachment: NA Shift Basis: 1 p	er day		<u> </u>		
	RG)				
Cost Breakdown:	/				
0 11 0 77		ф о оо = :	<u>Utilization %</u>		
Ownership Cost/Hour:		\$238.76	NA 100		
Operating Cost/Hour: Ripper own. Cost/Hour:		\$162.29 \$0.00	100 NA		
Ripper own. Cost/Hour:		\$0.00	0		
Operator Cost/Hour:	-	\$41.30	NA		
MATERIAL QUANT Initial Volume: 15,4 Swell factor: 1.22	88				
Loose volume: 18,8	95 LCY	<u>—</u>			
Source of estimated volu Source of estimated swel			on, Mining & Safety		
HOURLY PRODUC	ΓΙΟΝ				
Average push distance: Unadjusted hourly produ	ction: $\frac{50 \text{ feet}}{2,110.5 \text{ LC}}$	Y/hr			
Materials consistency de	scription: Compa	cted fill or en	mbankment 0.9	<u> </u>	
Average push gradient: Average site altitude:	0 % 6,500 feet				
Material weight:	2,800 lbs/LCY				
Weight description:	Clay - Natural bed	l			
Job Condition Correction	Factor_		Source		
Operator		.750	(AVG.)		
Material consist		900	(CAT HB))		
Dozing me		.000	(GEN.)		
Visil	bility: 1	.000	(AVG.)		

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production: 776.66 LCY/hr
Adjusted fleet production: 776.66 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.570/LCY

Total job time: 24.33 Hours
Total job cost: \$10,762

	Temore	Remove gravel surface from stockpile area and rip surface				
High Flume Gra	vel Pit	Permit Action:	2024-01-23 Update	Permit/Job#:	M1990093	
PROJECT IDEN	TIFICATION					
Task #: 04A		State: Colorado		Abbreviation:	None	
Date: 1/23/2	2024	County: La Plata		Filename:	M093-04a	
User: DMC		Du Flata		i mename.	111075 0 14	
Agency or	organization nam	e: DRMS				
HOURLY EQUI	PMENT COST					
Basic Machine:	Cat D9T - 9SU	•	<u></u>			
Horsepower:	405		<u> </u>			
Blade Type:	Semi-Universal		<u> </u>			
Attachment: Shift Basis:	3-shank ripper 1 per day					
Data Source:	(CRG)		<u> </u>			
	(CRO)					
Cost Breakdown:			T T4:1:= . 4' · · · · 0/			
Ownership Cost/H	lour:	\$238.76	<u>Utilization %</u> NA			
Operating Cost/H		\$162.29	100			
Ripper own. Cost/H		\$18.32	NA			
Ripper op. Cost/H		\$2.25	25			
Operator Cost/H	lour:	\$41.30	NA			
Total Fleet Cost/Ho MATERIAL QU						
MATERIAL QU Initial Volume: Swell factor:						
MATERIAL QU Initial Volume:	3,791					
MATERIAL QU Initial Volume: Swell factor:	3,791 1.000 3,791 LCY	Division of Reclamati Cat Handbook	on, Mining & Safety			
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated	3,791 1.000 3,791 LCY volume:		on, Mining & Safety			
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated	3,791 1.000 3,791 LCY volume:		on, Mining & Safety			
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distar	3,791 1.000 3,791 LCY volume: swell factor: OUCTION cree: 50 production: 2,1	Cat Handbook				
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distar Unadjusted hourly p	3,791 1.000 3,791 LCY volume:	feet 10.5 LCY/hr Partly consolidated				
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distar Unadjusted hourly p Materials consistence Average push gradic Average site altitude	3,791 1.000 3,791 LCY volume:	feet 10.5 LCY/hr Partly consolidated				
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distar Unadjusted hourly p Materials consistence Average push gradie	3,791 1.000 3,791 LCY volume:	feet 10.5 LCY/hr Partly consolidated				
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distar Unadjusted hourly p Materials consistence Average push gradic Average site altitude Material weight: Weight description: Job Condition Corre	3,791 1.000 3,791 LCY volume:	feet 10.5 LCY/hr Partly consolidated LCY gravel - Dry	stockpile 1.1			
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distart Unadjusted hourly p Materials consistence Average push gradie Average site altitude Material weight: Weight description: Job Condition Correct Ope:	3,791 1.000 3,791 LCY volume:	Gat Handbook feet 10.5 LCY/hr Partly consolidated LCY gravel - Dry 0.750	stockpile 1.1 Source (AVG.)			
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distar Unadjusted hourly p Materials consistence Average push gradic Average site altitude Material weight: Weight description: Job Condition Corre Oper Material co	3,791 1.000 3,791 LCY volume:	feet 10.5 LCY/hr Partly consolidated LCY gravel - Dry	stockpile 1.1			

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.958	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production: 1,107.59 LCY/hr
Adjusted fleet production: 1107.59 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.418/LCY

Total job time: 3.42 Hours
Total job cost: \$1,584

Task descri	ption:	Repla	ace Topsoil	on Phase 1	area		
: High Flu	ıme Gra	vel Pit	Per	mit Action:	2024-01-23 Update	Permit/Job#:	M1990093
PROJEC [*]	Γ IDEN	TIFICATIO	<u>ON</u>				
Task #:	05A		State:	Colorado		Abbreviation:	None
Date:	1/23/2	024	County:	La Plata		Filename:	M093-05a
User:	DMC					_	
A	gency or	organization	name: DI	RMS			
HOURLY	Z EQUI	PMENT CO	<u>OST</u>				
Basic M		Cat D9T - 9					
	power:	405	50				
	e Type:	Semi-Unive	rsal		<u>—</u>		
	hment:	NA					
Shift	t Basis:	1 per day			<u> </u>		
Data S	Source:	(CRG)					
Cost Break	down						
COSt DICAR	down.				Utilization %		
Ownership	n Cost/H	our.		\$238.76	NA		
Operating				\$162.29	100		
Ripper own				\$0.00	NA		
Ripper op				\$0.00	25		
	r Cost/H			\$41.30	NA		
•		-			1,11		
Total unit C	Cost/Hou	r: \$442.3	35				
Initial Vo	olume:	2,339					
Swell f Loose vo	_	1.000 2,339 LCY					
Loose vo	luille.	2,339 LC 1					
Source of e		volume: swell factor:	Division Cat Hand		ion, Mining & Safety		
Source of c	stimated	swell factor.	Cat Hanc	IOOOK			
HOURLY	' PROD	<u>UCTION</u>					
Average pu Unadjusted			400 feet 305.6 LCY	/hr			
v	• 1	ey description			stockpile 1.1		
Average pu		•					
Average sit			feet				
Material we	eight:	1,600	lbs/LCY			<u> </u>	
Weight des	cription:	Top S	oil				
Job Conditi		ection Factor	^	750	Source		
3.5		rator Skill:		.750	(AVG.)		
M		onsistency:		.100	(CAT HB)		
		g method:		.000	(GEN.)		
		Visibility:	1	.000	(AVG.)		

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

Adjusted unit production: 240.72 LCY/hr
Adjusted fleet production: 240.72 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$1.838/LCY

Total job time: 9.72 Hours
Total job cost: \$4,298

Task description:	Repla	ace Topsoil	on Phase 2	area		
: High Flume Gr	avel Pit	Peri	mit Action:	2024-01-23 Update	Permit/Job#:	M1990093
PROJECT IDEN	NTIFICATION	ON				
Task #: 06A	-	State:	Colorado		Abbreviation:	None
	2024	County:	La Plata		Filename:	M093-06a
User: DMC		County.	<u> </u>		i nename.	141075 004
		mama' DE	MC			
	r organization		MS			
HOURLY EQU	IPMENT CO	<u>OST</u>				
Basic Machine:	Cat D9T - 9	SU		<u> </u>		
Horsepower:	405			<u> </u>		
Blade Type:	Semi-Unive	ersal		_		
Attachment: Shift Basis:	NA 1 man day					
Sniπ Basis: Data Source:	1 per day (CRG)			<u> </u>		
	(CKU)			<u> </u>		
Cost Breakdown:				TT.111		
0 1: 0 //	T		ф 22 0.76	<u>Utilization %</u>		
Ownership Cost/I			\$238.76 \$162.29	NA 100		
Operating Cost/F Ripper own. Cost/F			\$102.29	NA		
Ripper op. Cost/F			\$0.00	25		
Operator Cost/F			\$41.30	NA		
Total unit Cost/Hor	ur: \$442.3					
MATERIAL QU Initial Volume: Swell factor:	3,872 1.000					
Loose volume:	3,872 LCY					
Source of estimated Source of estimated	d swell factor:	Division Cat Hand		ion, Mining & Safety		
HOURLY PROD	<u>DUCTION</u>					
Average push dista Unadjusted hourly		200 feet 700.0 LCY/	hr			
Materials consisten	cy description	: Partly o	consolidated	stockpile 1.1		
Average push grad Average site altitud		feet				
Material weight:	1,600	lbs/LCY			_	
Weight description	: _ Top S	oil				
Job Condition Corr				Source		
	erator Skill: _		750	(AVG.)		
	onsistency:		100	(CAT HB)		
Dozi	ng method:		000	(GEN.)		
	Visibility:	1.	000	(AVG.)		

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

Adjusted unit production: 551.39 LCY/hr
Adjusted fleet production: 551.39 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.802/LCY

Total job time: 7.02 Hours
Total job cost: \$3,106

BULLDOZER RIPPING WORK

	Task description:	Rip	topsoil under	gravel stor	age area prior	to revegetatio	n		
Site	: _ High Flume Grave	el Pit	Perm	nit Action:	2024-01-23 U _J	pdate	Permit/Job#	: <u>M19900</u>	93
	PROJECT IDENT	IFICATI	<u>ION</u>						
	Task #: 07A Date: 1/23/202 User: DMC	24	State: _ County: _	Colorado La Plata		Ab	breviation: Filename:	None M093-07a	a
	Agency or o	rganization	n name: DR	MS					
	HOURLY EQUIP								
	Basic Mach Ripper Attachn	nine: Ca	t D9T - 9SU Shank Ripper		<u> </u>	Horsepower: Shift Basis: Data Source:	1	405 per day CRG)	
	Cost Breakdown:					2 20 20			
	Ov O Ripper Ov Ripper O	vnership C perating C vnership C perating C Operator C	lost/Hour: lost/Hour:		\$238.76 \$162.29 \$18.32 \$8.98 \$41.30	Utilization % NA 100 NA 100 NA 100 NA			
		otal Unit C			\$469.65	IVA			
	To	tal Fleet C	ost/Hour:	\$469	9.65				
	MATERIAL QUA				ected estimating	mathad: Ar	200		
	Alternate Methods:		<u>2</u>	Sele	cted estimating	, illeulou. Ai	ca		
Seismic:	NA		Rank	Volume:	NA	BCY		NA	
Area:	2.35	acres		Pepth (ft):	2.00	Volume:	7,583	1 17 1	BCY or CC
	Sou	irce of esti	mated quantity	: Assum	e 2.35 acres sto	ckpile area			
	HOURLY PRODU	CTION							
	Seismic:		Seismic Veloc	eity:	NA	feet/se	econd		
	Area:								
			ge Ripping Dej ge Ripping Wi		2.63 7.67	feet/pa			
		Averag	e Ripping Len	gth:	500.00	feet/pa	ass		
			rage Dozer Spe		88.00	feet/m			
		_	e Maneuver Ti ction per unit a		0.25 0.891	minut acres/	es/pass		
	Job Condition Correct		•		0.071	acres/.	iioui		
			_	i.a	0.891	A amag	/l		
	Unadjus	sied Houri	y Unit Product			Acres	/nr		
			Site Altitu Altitude A Job Efficier Net Correct	Adj:	6,500 1.00 0.83 0.83	feet (CAT (1 shirth multip	ft/day)		
		•	l Hourly Unit I Hourly Fleet I		0.74 0.74	Acres/hr Acres/hr			
	JOB TIME AND C	COST							
	Fleet size:	1	_ Grader(s)		Total job tim	e:	3.18	Нот	ırs
	Unit cost: \$6	535.412	Per acre		Total iob cos	st:	\$1,493		

REVEGETATION WORK

DJECT	IDENTIFIC <i>A</i>	ATION .			
Task #: Date:	08A 1/23/2024	State: County:	Colorado La Plata	 Abbreviation: Filename:	None M093-08a
User:	DMC	County.	LaTiata	 Thename.	1073-004

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Ammonium nitrate, 33-0-0	200.00	pound	\$0.62	\$124.66
Triple superphosphate, 0-46-0	100.00	pound	\$0.89	\$89.00
			Total Fertilizer Materials Cost/Acre	\$213.66

Application

Description		Cost /Acre
NA-fertilizer application incl. with hydroseeding		\$262.23
	Total Fertilizer Application Cost/Acre	\$262.23

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$112.82
Total Tilling Cost/Acre	\$112.82

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Sand Dropseed	0.30	35.81	\$2.93
Ryegrass, Annual/Gulf	3.00	13.09	\$4.95
Smooth Brome - Manchar	6.00	19.97	\$19.95
Western Wheatgrass - Arriba	9.00	22.73	\$58.50
Totals Seed Mix	18.30	91.60	\$86.33

Application

Description	Cost /Acre

Hydro seeding (MEANS 32 92 19.14 0200)		\$1,313.33
	Total Seed Application Cost/Acre	\$1,313.33

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$4.01	\$4.01
Hydromulch tackifier, <15 ac. {Materials Only}	1.00	ACRE	\$1,655.28	\$1,655.28
Hydromulch, 1 ton/ac. rate {Materials Only}	1.00	ACRE	\$1,655.28	\$1,655.28
Total Mulch Materials Cost/Acre				\$3,314.57

Application

Description		Cost /Acre
Weed spray, hand, non-aquatic areas, ann. [DMG]		\$119.47
	Total Mulch Application Cost/Acre	\$119.47

NURSERY STOCK PLANTING

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

JOB TIME AND COST

No. of Acres: 11.77 Cost /Acre: \$5,422.41

Estimated Failure Rate: 35% Cost /Acre*: \$5,422.41

*Selected Replanting Work Items: FERTILIZING,TILLING,SEEDING,MU

LCHING

Initial Job Cost: \$63,821.77

Reseeding Job Cost: \$22,337.62

Total Job Cost: \$86,159

Job Hours: **15.00**

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: N	Iobilize/Demobiliz	æ			
ite: _ High Flume Gravel Pit	Permi	t Action:	-23 Update	Permit/Job	o#: <u>M1990093</u>
PROJECT IDENTIFICA	ΓΙΟΝ				
Task #: 09A Date: 1/23/2024 User: DMC		Colorado .a Plata	Al	bbreviation: Filename:	None M093-09a
Agency or organizat	ion name: DRM	S			
EQUIPMENT TRANSPO	RT RIG COST				
			Shif Cost Data S		1 per day CRG Data
Truck Tractor De	scription: GENI	ERIC ON-HIGHW	AY TRUCK TRAC 400 HP (2ND HA		DIESEL POWERED,
Truck Trailer De	Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT TRAILER (25T, 50T, AND 100T)				K EQUIPMENT
Cost Breakdown:					
Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons	_	
Ownership Cost/Hour	\$20.26	\$36.04	\$47.05	=	
Operating Cost/Hour	\$39.51	\$76.08	\$82.85	_	

NON ROADABLE EQUIPMENT:

Total Unit Cost/Hour:

Operator Cost/Hour:

Helper Cost/Hour:

\$22.52

\$0.00

\$82.29

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 D9T - 9SU	66.13	\$257.08	\$175.95	1	\$433.03	\$175.95	\$250.00
Drill/Broadcast	25.00	\$6.73	\$82.29	1	\$89.02	\$82.29	\$0.00
Seeder with							
Tractor							
Power Mulcher	6.00	\$25.94	\$82.29	1	\$108.23	\$82.29	\$0.00
(Bowie LD-90)							

\$22.52

\$23.53

\$158.17

\$22.52

\$23.53

\$175.95

Subtotals: \$630.28 \$340.53 \$250.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 3/4 T.	\$15.83	1	\$15.83	\$15.83

Subtotals: \$15.83 \$15.83

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:
Total one-way travel distance:
Average Travel Speed:

DURANGO
miles
35.00
mph

<u>Transportation Cycle Time:</u>

	Non-	
	Roadable	Roadable
	Equipment	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 cost: 3.60 Hours

Total job cost: \$2,550