

February 27, 2024

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

#### Re: High Flume Gravel Pit - File No. M-1990-093 High Flume Gravel Pit, Inc. Surety Increase (SI-1)

Dear Franchesca R. Mallonee:

On February 27, 2024 the Division of Reclamation, Mining and Safety increased the Financial Warranty requirement for this permit to \$202,646.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$130,001.

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 (February 27, 2024).

Please make arrangements with Sara M. Stevenson-Benn at the Division's Denver office for submittal of the financial warranty. Any other questions regarding completion, execution and/or submittal of financial warranty forms should also be directed to Sara M. Stevenson-Benn by telephone at (303) 866-3567 (8148), or by email at Sara.stevenson-benn@state.co.us.

The Permittee for this site may be scheduled for a Formal Board Hearing for possible revocation of the permit after April 27, 2024, if the amount of any increased Financial Warranty has not been provided.

Bond Held:	\$72,645.00
Prior Liability:	\$72,645.00
Change in Liability:	\$130,001.00
Revised Liability:	\$202,646.00
Prior Permit Acreage:	43.06





Change in Permit Acreage:	0.00
Revised Permit Acreage:	43.06
Prior Affected Acreage:	11.77
Change in Affected Acreage:	0.00
Revised Affected Acreage:	11.77

If you have any questions, please contact me by telephone at (303) 866-3567 x 8188, or by email at Dustin.czapla@state.co.us.

Sincerely,

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Dustin M. Czapla Environmental Protection Specialist

M-GR-04

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

Tas	sk descrip	tion:	2024-01-23 Upd	ate			
ite: _]	High Flui	ne Gravel Pit	Pe	rmit Action:	2024-01-23 Update	Permit/Job	o#: <u>M1990093</u>
<u>PR(</u>	OJECT ]	<b>IDENTIFIC</b>	ATION				
	Task #:	000	State:	Colorado		Abbreviation:	None
	Date:	1/23/2024	County:	La Plata		Filename:	M093-000
	-	DMC					

### TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Backfill 150' of Phase 1 highwall	DOZER	1	79.59	\$35,207
02a	Cut & Fill reduction of Phase 1 highwall	DOZER	1	44.38	\$19,633
03a	Regrade Phase 2 area to slight grade toward pit	DOZER	1	24.33	\$10,762
04a	Remove gravel surface from stockpile area and rip surface	DOZER	1	3.42	\$1,584
05a	Replace Topsoil on Phase 1 area	DOZER	1	9.72	\$4,298
06a	Replace Topsoil on Phase 2 area	DOZER	1	7.02	\$3,106
07a	Rip topsoil under gravel storage area prior to revegetation	RIPPER	1	3.17	\$1,493
08a	Revegetation	REVEGE	1	15.00	\$86,159
09a	Mobilize/Demobilize	MOBILIZE	1	3.60	\$2,550
		<u>SUBTO</u>	DTALS:	190.23	\$164,792

### **INDIRECT COSTS**

#### **OVERHEAD AND PROFIT:**

Liability insurance:	2.02	Total =	\$3,329
Performance bond:	1.05	Total =	\$1,730
Job superintendent:	95.11	Total =	\$6,190
Profit:	10.00	Total =	\$16,479
		TOTAL O & P =	\$27,728
		CONTRACT AMOUNT (direct + O & P) =	\$192,520

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	\$500		Tota	al =	\$500
Engineering work and/or contract/bid preparation:	0.00		Tota	al =	\$0
Reclamation management and/or administration:	5.00		-	-	\$9,626
				-	
CONTINGENCY:	0.00		Tota	al =	\$0
		TOTAL IN	DIRECT COS	T =	\$37,854

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

ask description:	Backfill 150' of P	nase i ingn	wall		
High Flume Gravel Pit	Perr	nit Action:	2024-01-23 Update	Permit/Job#:	M1990093
<b>ROJECT IDENTIFIC</b>	ATION				
Task #: 01A	State:	Colorado		Abbreviation:	None
Date: $1/23/2024$	County:	La Plata		Filename:	M093-01a
User: DMC	County.	La Flata		Filename.	W1095-01a
Agency or organization	ation name: DR	MS			
IOURLY EQUIPMEN	<u>T COST</u>				
	9T - 9SU				
Horsepower: 405					
	Universal				
Attachment: NA					
Shift Basis: 1 per o					
Data Source: (CRG)	)				
Cost Breakdown:					
ost Dieukdown.			Utilization %		
Ownership Cost/Hour:		\$238.76	NA		
Operating Cost/Hour:		\$162.29	100		
Lipper own. Cost/Hour:		\$0.00	NA		
Ripper op. Cost/Hour:		\$0.00	0		
Operator Cost/Hour:		\$41.30			
		\$41.50	NA		
– 1ATERIAL OUANTIT	\$442.35				
	TIES				
Initial Volume: <u>30,000</u>	TIES				
Initial Volume: <u>30,000</u> Swell factor: <u>1.110</u>	<u>TIES</u>				
Initial Volume: <u>30,000</u>	<u>TIES</u>				
Initial Volume:30,000Swell factor:1.110Loose volume:33,300	T <b>IES</b> LCY	— — — of Reclamati	on. Mining & Safety		
Initial Volume: <u>30,000</u> Swell factor: <u>1.110</u>	<u>LCY</u> : Division of		on, Mining & Safety		
Initial Volume: $30,000$ Swell factor: $1.110$ Loose volume: $33,300$ ource of estimated volume:	<u>LCY</u> : Division of		on, Mining & Safety		
Initial Volume: $30,000$ Swell factor: $1.110$ Loose volume: $33,300$ ource of estimated volume:	LCY : Division of actor: Cat Hand		on, Mining & Safety		
Initial Volume: 30,000 Swell factor: 1.110 Loose volume: 33,300 ource of estimated volume: ource of estimated swell fa	LCY : Division of actor: Cat Hand		on, Mining & Safety		
Initial Volume: 30,000 Swell factor: 1.110 Loose volume: 33,300 ource of estimated volume ource of estimated swell fa	LCY : Division of actor: Cat Hand DN 200 feet	book	on, Mining & Safety		
Initial Volume: 30,000 Swell factor: 1.110 Loose volume: 33,300 ource of estimated volume: ource of estimated swell fa	LCY : Division of actor: Cat Hand DN 200 feet	book	on, Mining & Safety 		
Initial Volume: 30,000 Swell factor: 1.110 Loose volume: 33,300 ource of estimated volume ource of estimated swell fa	<b>CIES</b> LCY         :       Division of contract of the con	book hr	on, Mining & Safety   stockpile 1.1		
Initial Volume: 30,000 Swell factor: 1.110 Loose volume: 33,300 ource of estimated volume: ource of estimated swell fa <b>IOURLY PRODUCTIO</b> verage push distance: Inadjusted hourly production Materials consistency descri	<b>CIES</b> LCY         :       Division of the construction of the con	book hr			
Initial Volume: 30,000 Swell factor: 1.110 Loose volume: 33,300 ource of estimated volume: ource of estimated swell fa <b>IOURLY PRODUCTIO</b> Average push distance: Inadjusted hourly production Materials consistency description	<b>CIES</b> LCY         :       Division of contract of the con	book hr			
Initial Volume: 30,000 Swell factor: 1.110 Loose volume: 33,300 ource of estimated volume: ource of estimated swell fa HOURLY PRODUCTION Average push distance: Inadjusted hourly production Average push gradient: Average site altitude:	<b>LCY</b> :       Division of the sector:         actor:       Cat Handle <b>DN</b> :       200 feet         :       700.0 LCY/         :       Partly c         :       15 %         :       6,500 feet	book hr			
Initial Volume:       30,000         Swell factor:       1.110         Loose volume:       33,300         ource of estimated volume:       ource of estimated volume:         ource of estimated swell fa         HOURLY PRODUCTION         Average push distance:         Unadjusted hourly production         Aterials consistency description         Average site altitude:         Average site altitude:         Aterial weight:	<b>LCY</b> :       Division of the construction of the co	book hr consolidated			
Initial Volume:       30,000         Swell factor:       1.110         Loose volume:       33,300         ource of estimated volume:       ource of estimated volume:         ource of estimated swell fa         HOURLY PRODUCTION         Average push distance:         Inadjusted hourly production         Aterials consistency description:         Average site altitude:         Aterial weight:         Aterial weight:	<b>CIES</b> LCY         :       Division of contract on the control of the contro of the control of the control of the control of the co	book hr consolidated			
Initial Volume:       30,000         Swell factor:       1.110         Loose volume:       33,300         ource of estimated volume:       ource of estimated volume:         ource of estimated swell fa         HOURLY PRODUCTION         Average push distance:         Unadjusted hourly production         Average push gradient:         Average site altitude:         Average site altitude:         Average site altitude:         Average site altitude:         Atterial weight:         Atterial weight:         Atterial weight:         Average function         Atterial weight:	LCY         :       Division of actor:         actor:       Cat Handle         DN       200 feet         on:       200 feet         on:       700.0 LCY/         iption:       Partly c         -15 %       6,500 feet         2,800 lbs/LCY       Clay - Natural bed         actor       Clay - Natural bed	book hr consolidated	stockpile 1.1		
Initial Volume:       30,000         Swell factor:       1.110         Loose volume:       33,300         ource of estimated volume:       ource of estimated volume:         ource of estimated swell fa         HOURLY PRODUCTION         Average push distance:         Unadjusted hourly production         Average push gradient:         Average site altitude:         Average site altitude:	<b>CIES</b> LCY         :       Division of actor:         actor:       Cat Handle <b>DN</b> :       200 feet         :       700.0 LCY/         :       Partly c         :       6,500 feet         2,800 lbs/LCY       Clay - Natural bed         :       0.7	book hr consolidated	stockpile 1.1 <u>Source</u> (AVG.)		
Initial Volume:       30,000         Swell factor:       1.110         Loose volume:       33,300         ource of estimated volume:       ource of estimated volume:         ource of estimated swell fa         HOURLY PRODUCTION         Average push distance:         Unadjusted hourly production         Average push gradient:         Average site altitude:         Average site altitude:	<b>CIES</b> LCY         :       Division of the construction of the con	book hr consolidated  750 100			
Initial Volume:       30,000         Swell factor:       1.110         Loose volume:       33,300         ource of estimated volume:       ource of estimated volume:         ource of estimated swell fa         IOURLY PRODUCTION         Average push distance:         Inadjusted hourly production         Atterials consistency description:         Average push gradient:         Average site altitude:         Atterial weight:         Atterial weight:         Operator Ski         Material consistency         Dozing method	<b>CIES</b> LCY         :       Division of contract on the content of the c	book hr consolidated 750 100 000			
Initial Volume:       30,000         Swell factor:       1.110         Loose volume:       33,300         ource of estimated volume:       ource of estimated volume:         ource of estimated swell fa         HOURLY PRODUCTION         Average push distance:         Unadjusted hourly production         Average push gradient:         Average site altitude:         Average site altitude:	<b>CIES</b> LCY         :       Division of the construction of the con	book hr consolidated  750 100			

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)
Net correction:	0.5977	
Adjusted unit production: 41	8.39 LCY/hr	

418.39 LC 1/III	
418.39 LCY/hr	

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

Total job time:	<b>79.59</b> Hours
Total job cost:	\$35,207

Task description:	ut & Fill reduction of Phas	oc i nignwan		
High Flume Gravel Pit	Permit Action:	2024-01-23 Update	Permit/Job#:	M1990093
PROJECT IDENTIFICA	TION			
Task #: 02A	State: Colorado		Abbreviation:	None
Date: $1/23/2024$	County: La Plata		Filename:	M093-02a
User: DMC			Thename.	W1093-02a
Agency or organizati	on name: DRMS			
HOURLY EQUIPMENT				
Basic Machine: Cat D9T				
Horsepower: 405				
Blade Type: Semi-Ur	niversal			
Attachment: NA				
Shift Basis: 1 per da	у			
Data Source: (CRG)				
Cost Breakdown:				
	•	Utilization %		
Ownership Cost/Hour:	\$238.76	NA		
Operating Cost/Hour:	\$162.29	100		
Ripper own. Cost/Hour:	\$0.00	NA		
Ripper op. Cost/Hour:	\$0.00	0		
Total Fleet Cost/Hour: \$4	\$41.30 42.35 <b>42.35</b> ES	NA		
Total unit Cost/Hour: \$44 Total Fleet Cost/Hour: \$44 MATERIAL QUANTITII Initial Volume: 32,500	42.35 <b>42.35</b>	NA		
Total unit Cost/Hour: \$44 Total Fleet Cost/Hour: \$44 MATERIAL QUANTITII Initial Volume: 32,500 Swell factor: 1.180	42.35 <b>42.35</b> E <u>S</u>	NA		
Total unit Cost/Hour: \$44 Total Fleet Cost/Hour: \$44 MATERIAL QUANTITII Initial Volume: 32,500	42.35 <b>42.35</b> E <u>S</u>	NA		
Total unit Cost/Hour:       \$4.         Total Fleet Cost/Hour:       \$4.         MATERIAL QUANTITII         Initial Volume:       32,500         Swell factor:       1.180         Loose volume:       38,350 Lo         Source of estimated volume:	42.35 <b>42.35</b> <b>ES</b> <u>CY</u>  Division of Reclamati			
Total unit Cost/Hour:       \$44         Total Fleet Cost/Hour:       \$44         MATERIAL QUANTITII         Initial Volume:       32,500         Swell factor:       1.180         Loose volume:       38,350 L0	42.35 <b>42.35</b> <b>ES</b> <u>CY</u>  Division of Reclamati			
Total unit Cost/Hour:       \$44         Total Fleet Cost/Hour:       \$44         MATERIAL QUANTITII         Initial Volume:       32,500         Swell factor:       1.180         Loose volume:       38,350 L0         Source of estimated volume:       Source of estimated swell factor	42.35 42.35 ES CY Division of Reclamation Cat Handbook			
Total unit Cost/Hour:       \$4         Total Fleet Cost/Hour:       \$4         MATERIAL QUANTITII         Initial Volume:       32,500         Swell factor:       1.180         Loose volume:       38,350 L0         Source of estimated volume:         Source of estimated swell factor         HOURLY PRODUCTION	42.35 42.35 ES CY Division of Reclamation or: Cat Handbook			
Total unit Cost/Hour:       \$44         Total Fleet Cost/Hour:       \$44         MATERIAL QUANTITII         Initial Volume:       32,500         Swell factor:       1.180         Loose volume:       38,350 L0         Source of estimated volume:       Source of estimated swell factor         MOURLY PRODUCTION       Average push distance:	42.35 <b>42.35</b> <b>ES</b> <u>CY</u> Or: <u>Division of Reclamations</u> CAT Handbook <u>N</u> 75 feet			
Total unit Cost/Hour:       \$4         Total Fleet Cost/Hour:       \$4         MATERIAL QUANTITII         Initial Volume:       32,500         Swell factor:       1.180         Loose volume:       38,350 L0         Source of estimated volume:         Source of estimated swell factor         HOURLY PRODUCTION	42.35 42.35 ES CY Or: Division of Reclamation Cat Handbook N S 75 feet 1,514.3 LCY/hr	ion, Mining & Safety		
Total unit Cost/Hour:       \$44         Total Fleet Cost/Hour:       \$44         MATERIAL QUANTITII         Initial Volume:       32,500         Swell factor:       1.180         Loose volume:       38,350 L0         Source of estimated volume:       Source of estimated swell factor         MOURLY PRODUCTION       Average push distance:	42.35 42.35 ES CY Or: Division of Reclamation Cat Handbook N 	ion, Mining & Safety		
Total unit Cost/Hour:       \$44         Total Fleet Cost/Hour:       \$44         MATERIAL QUANTITII         Initial Volume:       32,500         Swell factor:       1.180         Loose volume:       38,350 Lo         Source of estimated volume:       Source of estimated swell factor         HOURLY PRODUCTION       Average push distance:         Unadjusted hourly production:       Materials consistency descript         Average push gradient:	42.35 42.35 ES CY Or: Division of Reclamation Cat Handbook N S 75 feet 1,514.3 LCY/hr	ion, Mining & Safety		
Total unit Cost/Hour:       \$44         Total Fleet Cost/Hour:       \$44         MATERIAL QUANTITII         Initial Volume:       32,500         Swell factor:       1.180         Loose volume:       38,350 L0         Source of estimated volume:       Source of estimated swell factor         MOURLY PRODUCTION       Average push distance:         Unadjusted hourly production:       Materials consistency descript         Average push gradient:	42.35 42.35 42.35 ES CY Division of Reclamation or: Cat Handbook N S Cat Handbook N Cat Handbook N Compacted fill or e 5 %	ion, Mining & Safety		
Total unit Cost/Hour:       \$44         Total Fleet Cost/Hour:       \$44 <b>MATERIAL QUANTITIU</b> Initial Volume:       32,500         Swell factor:       1.180         Loose volume:       38,350 L0         Source of estimated volume:       Source of estimated volume:         Source of estimated swell factor       HOURLY PRODUCTION         Average push distance:       Unadjusted hourly production:         Materials consistency descript:       Average site altitude:       6,5         Material weight:       2,4	$42.35$ $42.35$ $42.35$ $ES$ $CY$ $Division of Reclamation Cat Handbook N \frac{75 \text{ feet}}{1,514.3 \text{ LCY/hr}} ion: Compacted fill or end 5\% 600 \text{ feet} 400 \text{ lbs/LCY}$	ion, Mining & Safety		
Total unit Cost/Hour:       \$44         Total Fleet Cost/Hour:       \$44 <b>MATERIAL QUANTITII</b> Initial Volume:       32,500         Swell factor:       1.180         Loose volume:       38,350 L0         Source of estimated volume:       Source of estimated volume:         Source of estimated swell factor       HOURLY PRODUCTION         Average push distance:       Unadjusted hourly production:         Materials consistency descript       Average site altitude:       6,5         Material weight:       2,4         Weight description:       Cla	42.35 42.35 42.35 ES CY Division of Reclamation CY Division of Reclamation CY CY CY Division of Reclamation CAT Handbook N Cat Handbook N Cat Handbook N Compacted fill or e 5 % 500 feet 400 lbs/LCY ay and gravel - Dry	ion, Mining & Safety		
Total unit Cost/Hour:       \$44         Total Fleet Cost/Hour:       \$44         MATERIAL QUANTITII         Initial Volume:       32,500         Swell factor:       1.180         Loose volume:       38,350 L0         Source of estimated volume:       Source of estimated volume:         Source of estimated volume:       Nource         Materials consistency descript:       Average push distance:         Unadjusted hourly production:       Materials consistency descript:         Average push gradient:       -15         Average site altitude:       6,5         Material weight:       2,4         Weight description:       Cla         Job Condition Correction Fact       Cla	$42.35$ $42.35$ $42.35$ $ES$ $CY$ $CY$ $Division of Reclamation Cat Handbook N \frac{75 \text{ feet}}{1,514.3 \text{ LCY/hr}} ion: Compacted fill or e 5\% 500 \text{ feet} 400 \text{ lbs/LCY} ay and gravel - Dry or$	ion, Mining & Safety		
Total unit Cost/Hour:       \$44         Total Fleet Cost/Hour:       \$44         MATERIAL QUANTITII         Initial Volume:       32,500         Swell factor:       1.180         Loose volume:       38,350 L0         Source of estimated volume:       Source of estimated volume:         Source of estimated volume:       Source of estimated swell factor         HOURLY PRODUCTION       Average push distance:         Unadjusted hourly production:       Materials consistency descript:         Average push gradient:       -15         Average site altitude:       6,5         Material weight:       2,4         Weight description:       Cla         Job Condition Correction Fact       Operator Skill:	$42.35$ $42.35$ $42.35$ $ES$ $CY$ $CY$ $Division of Reclamation Cat Handbook N \frac{75 \text{ feet}}{1,514.3 \text{ LCY/hr}} ion: Compacted fill or e 5\% 600 \text{ feet} 400 \text{ lbs/LCY} ay \text{ and gravel - Dry} COT 0.750$	ion, Mining & Safety mbankment 0.9 <u>Source</u> (AVG.)		
Total unit Cost/Hour:       \$44         Total Fleet Cost/Hour:       \$44         MATERIAL QUANTITII         Initial Volume:       32,500         Swell factor:       1.180         Loose volume:       38,350 L0         Source of estimated volume:       Source of estimated volume:         Source of estimated volume:       Nource         Materials consistency descript:       Average push distance:         Unadjusted hourly production:       Materials consistency descript:         Average push gradient:       -15         Average site altitude:       6,5         Material weight:       2,4         Weight description:       Cla         Job Condition Correction Fact       Cla	42.35 $42.35$ $42.35$ $ES$ $CY$ $CY$ $Or: Division of Reclamation of Reclamatic of Reclamation of Reclamatic of Re$	ion, Mining & Safety		

0.830	(1 SHIFT/DAY)
0.800	(SSD-AC)
1.329	(CAT HB)
1.000	(CAT HB)
0.958	(CAT HB)
1.000	(PAT)
0.5706	
4.06 LCY/hr	
	0.800 1.329 1.000 0.958 1.000 0.5706

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

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

Adjusted fleet production: 864.06 LCY/hr

Task description:	<b>Regrade Phase 2 ar</b>	ea to sligh	nt grade toward pit		
: <u>High Flume Gravel F</u>	Pit Permit	Action:	2024-01-23 Update	Permit/Job#:	M1990093
PROJECT IDENTIF	TICATION				
Task #: 03A	State: C	olorado		Abbreviation:	None
Date: $1/23/2024$		a Plata		Filename:	M093-03a
User: DMC				-	
Agency or orga	inization name: DRMS	5			
HOURLY EQUIPMI	ENT COST				
	t D9T - 9SU		_		
Horsepower: 40			_		
Blade Type: Ser Attachment: NA	mi-Universal		_		
	ber day		_		
	RG)		_		
Cost Breakdown:		1	<b></b>		
	đ	2220 76	Utilization %		
Ownership Cost/Hour: Operating Cost/Hour:		238.76 162.29	<u>NA</u> 100		
Ripper own. Cost/Hour:	d	\$0.00	NA		
Ripper op. Cost/Hour:		\$0.00	0		
Operator Cost/Hour:		\$41.30	NA		
MATERIAL QUANT Initial Volume: 15,4					
Swell factor: 1.22					
	<b>395</b> LCY				
Source of estimated volu			on, Mining & Safety		
Source of estimated swel	Il factor: Cat Handboo	ok			
HOURLY PRODUC	TION				
Average push distance: Unadjusted hourly produ	50 feet 2,110.5 LCY/h	r			
Materials consistency de			nbankment 0.9		
	·	01 011			
Average push gradient: Average site altitude:	0 % 6,500 feet				
Material weight:	2,800 lbs/LCY				
Weight description:	Clay - Natural bed				
Job Condition Correction	n Factor		Source		
Operator	Skill: 0.750		(AVG.)		
Material consist			(CAT HB))		
Dozing me			(GEN.)		
Vici	bility: 1.000	1	(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)
Net correction:	0.3680	
Adjusted unit production: 77	6.66 LCY/hr	
Adjusted fleet production: 77	6.66 LCY/hr	

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

Total job time:	<b>24.33</b> Hours
Total job cost:	\$10,762

Page 1 of 2

Task description:	8		stockpile area and rip		
High Flume Gravel Pit	Per	mit Action:	2024-01-23 Update	Permit/Job#:	M1990093
PROJECT IDENTIFIC	ATION				
Task #: 04A	State:	Colorado		Abbreviation:	None
Date: $1/23/2024$	County:	La Plata		Filename:	M093-04a
User: DMC	County.	LuThuu		-	11075 0 14
Agency or organiz	ation name: DF	RMS			
HOURLY EQUIPMEN	<u>T COST</u>				
Basic Machine: Cat D	9T - 9SU				
Horsepower: 405					
Blade Type: Semi-	Universal				
	nk ripper				
Shift Basis: 1 per					
Data Source: (CRG	ń)				
Cost Breakdown:					
			Utilization %		
Ownership Cost/Hour:		\$238.76	NA		
Operating Cost/Hour:		\$162.29	100		
Ripper own. Cost/Hour:		\$18.32	NA		
Ripper op. Cost/Hour:		\$2.25	25		
		\$41.30	NA		
Operator Cost/Hour:					
·	¢ 4.62.02				
Fotal unit Cost/Hour:	\$462.92				
Fotal unit Cost/Hour:	\$462.92 <b>\$462.92</b>				
Total unit Cost/Hour:	\$462.92				
Fotal unit Cost/Hour:	\$462.92				
Fotal unit Cost/Hour:	\$462.92 <u>FIES</u>				
Fotal unit Cost/Hour:	\$462.92 <u>FIES</u>				
Fotal unit Cost/Hour:	\$462.92 [][ES LCY		on, Mining & Safety		
Fotal unit Cost/Hour:         Fotal Fleet Cost/Hour:         MATERIAL QUANTII         Initial Volume:       3,791         Swell factor:       1.000         Loose volume:       3,791	\$462.92 <u> <b>FIES</b></u> <u> LCY</u> <u> Division</u>	 of Reclamati			
Fotal unit Cost/Hour:         Fotal Fleet Cost/Hour:         MATERIAL QUANTII         Initial Volume:       3,791         Swell factor:       1.000         Loose volume:       3,791 I         Source of estimated volume         Source of estimated swell factor:	\$462.92 <u>FIES</u> <u>LCY</u> <u>Division</u> actor: <u>Cat Hand</u>	 of Reclamati			
Fotal unit Cost/Hour:         Fotal Fleet Cost/Hour:         MATERIAL QUANTIT         Initial Volume:       3,791         Swell factor:       1.000         Loose volume:       3,791         Source of estimated volume         Source of estimated swell factor:         HOURLY PRODUCTION	\$462.92 <u>FIES</u> <u>LCY</u> <u>Division</u> actor: <u>Cat Hand</u> <u>ON</u>	 of Reclamati			
Fotal unit Cost/Hour:       Initial Fleet Cost/Hour:         MATERIAL QUANTIT         Initial Volume:       3,791         Swell factor:       1.000         Loose volume:       3,791         Source of estimated volume         Source of estimated swell factor:         HOURLY PRODUCTIO         Average push distance:	\$462.92 <u>FIES</u> <u>CCY</u> <u>Division</u> actor: <u>Cat Hand</u> <u>ON</u> <u>50 feet</u>	of Reclamati			
Fotal unit Cost/Hour:         Fotal Fleet Cost/Hour:         MATERIAL QUANTIT         Initial Volume:       3,791         Swell factor:       1.000         Loose volume:       3,791         Source of estimated volume         Source of estimated swell factor:         HOURLY PRODUCTION	\$462.92 <u>FIES</u> <u>CCY</u> <u>Division</u> actor: <u>Cat Hand</u> <u>ON</u> <u>50 feet</u>	of Reclamati			
Fotal unit Cost/Hour:       Initial Fleet Cost/Hour:         MATERIAL QUANTIT         Initial Volume:       3,791         Swell factor:       1.000         Loose volume:       3,791         Source of estimated volume         Source of estimated swell factor:         HOURLY PRODUCTIO         Average push distance:	\$462.92 <b>[IES</b> LCY           ::         Division           actor:         Cat Hand <b>ON</b> on:         50 feet           2,110.5 LC	of Reclamati lbook			
Fotal unit Cost/Hour:       Initial Fleet Cost/Hour:         MATERIAL QUANTIT         Initial Volume:       3,791         Swell factor:       1.000         Loose volume:       3,791         Source of estimated volume         Source of estimated swell factor:         HOURLY PRODUCTIO         Average push distance:         Jnadjusted hourly production         Materials consistency descr         Average push gradient:	\$462.92 <b>[IES</b> LCY           ::         Division           actor:         Cat Hand <b>ON</b> on:         50 feet           2,110.5 LC	of Reclamati lbook	on, Mining & Safety		
Fotal unit Cost/Hour:         Fotal Fleet Cost/Hour:         Initial Fleet Cost/Hour:         MATERIAL QUANTIT         Initial Volume:       3,791         Swell factor:       1.000         Loose volume:       3,791         Source of estimated volume         Source of estimated swell factor:         HOURLY PRODUCTION         Average push distance:         Jnadjusted hourly production         Materials consistency description         Average push gradient:         Average site altitude:	<b>\$462.92</b> <u>FIES</u> <u>LCY</u> <u>actor: Division</u> <u>Cat Hand</u> <u>ON</u> <u>50 feet</u> <u>0N</u> iption: Partly of 0 %	of Reclamati lbook	on, Mining & Safety		
Total unit Cost/Hour:         Total Fleet Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUANTIT         Initial Volume:       3,791         Swell factor:       1.000         Loose volume:       3,791         Source of estimated volume         Source of estimated swell factor:         Average push distance:         Jnadjusted hourly production         Materials consistency description         Average site altitude:         Material weight:	\$462.92 <b>FIES CCY</b> ::       Division         actor:       Cat Hand <b>ON</b> on:       2,110.5 LC         iption:       Partly of         0 %         6,500 feet	 of Reclamati lbook Y/hr consolidated	on, Mining & Safety		
Total unit Cost/Hour:         Total Fleet Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUANTIT         Initial Volume:       3,791         Swell factor:       1.000         Loose volume:       3,791         Source of estimated volume         Source of estimated swell factor:         Average push distance:         Jnadjusted hourly production         Materials consistency description         Average site altitude:         Material weight:	\$462.92 <b>FIES</b> LCY         ::       Division         actor:       Cat Hand <b>ON</b> on:       2,110.5 LC         iption:       Partly of         0 %       6,500 feet         2,400 lbs/LCY       Clay and gravel - 1	 of Reclamati lbook Y/hr consolidated	on, Mining & Safety		
Total unit Cost/Hour:         Total Fleet Cost/Hour:         Total Fleet Cost/Hour:         MATERIAL QUANTIT         Initial Volume:       3,791         Swell factor:       1.000         Loose volume:       3,791         Source of estimated volume         Source of estimated volume         Source of estimated swell fa         HOURLY PRODUCTIO         Average push distance:         Jnadjusted hourly production         Materials consistency descr         Average site altitude:         Material weight:         Weight description:	\$462.92 <b>IIES</b> LCY           End of the second se	 of Reclamati lbook Y/hr consolidated	on, Mining & Safety		
Fotal unit Cost/Hour:       Initial Fleet Cost/Hour:         MATERIAL QUANTIT         Initial Volume:       3,791         Swell factor:       1.000         Loose volume:       3,791         Source of estimated volume         Source of estimated swell factor:         HOURLY PRODUCTION         Average push distance:         Jnadjusted hourly production         Average push gradient:         Average site altitude:         Waterial weight:         Material weight:         Material weight:	\$462.92 <b>IIES</b> LCY         ::       Division         actor:       Cat Hand <b>ON</b> on:       50 feet         2,110.5 LC         iption:       Partly of         0 %       6,500 feet         2,400 lbs/LCY       Clay and gravel - 1         actor       0,11         ill:       0,0	 of Reclamati lbook Y/hr consolidated  Dry	on, Mining & Safety		
Fotal unit Cost/Hour:       Initial Fleet Cost/Hour:         Initial Volume:       3,791         Swell factor:       1.000         Loose volume:       3,791         Source of estimated volume         Source of estimated volume         Source of estimated swell factor:         Average push distance:         Jnadjusted hourly production         Average push gradient:         Average site altitude:         Waterial weight:         Material weight:         Material weight:         Material weight:	\$462.92         FIES         CCY         ::       Division         actor:       Cat Hand         ON         on:       50 feet         2,110.5 LC         iption:       Partly of         0 %         6,500 feet         2,400 lbs/LCY         Clay and gravel - 1         actor         ill:       0         cy:       1		on, Mining & Safety		

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)
Net correction:	0.5248	
Adjusted unit production: 1,	107.59 LCY/hr	
Adjusted fleet production: 11	07.59 LCY/hr	

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

Total job time:	<b>3.42</b> Hours
Total job cost:	\$1,584

Task description:	<b>Replace</b>	<b>Fopsoil on Phase 1</b>	area		
High Flume Grave	Pit	Permit Action:	2024-01-23 Update	Permit/Job#:	M1990093
PROJECT IDENTI	FICATION				
Task #: 05A		State: Colorado		Abbreviation:	None
Date: $1/23/202$	4 C	ounty: La Plata		Filename:	M093-05a
User: DMC		J		-	
Agency or or	ganization name	e: DRMS			
HOURLY EQUIPM	<u>IENT COST</u>				
	Cat D9T - 9SU				
	-05				
	emi-Universal				
	JA				
	per day				
Data Source: (	CRG)				
Cost Breakdown:					
			Utilization %		
Ownership Cost/Hour	r:	\$238.76	NA		
Operating Cost/Hour		\$162.29	100		
Ripper own. Cost/Hour		\$0.00	NA		
		\$0.00	25		
Ripper op. Cost/Hour		* • • • • •			
Operator Cost/Hour Total unit Cost/Hour: Total Fleet Cost/Hour:	\$442.35 <b>\$442.35</b>	\$41.30	NA		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume: <u>2</u> , Swell factor: 1.	\$442.35 \$442.35 NTITIES 339 000	\$41.30	NA		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume: <u>2,</u> Swell factor: 1.	\$442.35 \$442.35 NTITIES 339	\$41.30	NA		
Operator Cost/Hour Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 2, Swell factor: 1. Loose volume: 2, Source of estimated vo	\$442.35 \$442.35 <b>NTITIES</b> 339 000 <b>339</b> LCY lume:		ion, Mining & Safety		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume: <u>2,</u> Swell factor: 1.	\$442.35 <b>\$442.35</b> <b>NTITIES</b> 339 000 <b>339</b> LCY lume: D rell factor: C	vivision of Reclamati			
Operator Cost/Hour Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 2, Swell factor: 1. Loose volume: 2, Source of estimated vo Source of estimated sw HOURLY PRODUC	\$442.35 <b>\$442.35</b> <b>NTITIES</b> 339 000 <b>339</b> LCY lume: D rell factor: C CTION 400	vivision of Reclamati at Handbook			
Operator Cost/Hour Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 2, Swell factor: 1. Loose volume: 2, Source of estimated vo Source of estimated sw HOURLY PRODUC	\$442.35 <b>\$442.35</b> <b>NTITIES</b> 339 000 <b>339</b> LCY lume: D rell factor: C CTION 400	vivision of Reclamati at Handbook			
Operator Cost/Hour Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 2, Swell factor: 1. Loose volume: 2, Source of estimated vo Source of estimated sw HOURLY PRODUC	\$442.35         \$442.35         \$442.35         339         000         339 LCY         lume:       D         rell factor:       C         CTION         duction:       305	vivision of Reclamati at Handbook	ion, Mining & Safety		
Operator Cost/Hour Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 2, Swell factor: 1. Loose volume: 2, Source of estimated vo Source of estimated vo Source of estimated sw HOURLY PRODUC Average push distance Unadjusted hourly prod	\$442.35         \$442.35         \$442.35         339         000         339 LCY         lume:       D         rell factor:       C         CTION         iduction:       305         description:	ivision of Reclamati at Handbook feet .6 LCY/hr	ion, Mining & Safety		
Operator Cost/Hour Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 2, Swell factor: 1. Loose volume: 2, Source of estimated vo Source of estimated vo Source of estimated sw HOURLY PRODUC Average push distance Unadjusted hourly proc Materials consistency of Average push gradient	\$442.35         \$442.35         \$442.35         339         000         339 LCY         lume:       D         rell factor:       C         CTION         induction:       305         description:          0 %	vivision of Reclamati at Handbook feet .6 LCY/hr Partly consolidated	ion, Mining & Safety		
Operator Cost/Hour Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 2, Swell factor: 1. Loose volume: 2, Source of estimated vo Source of estimated vo Source of estimated sw HOURLY PRODUC Average push distance Unadjusted hourly proc Materials consistency of Average push gradient Average site altitude:		vivision of Reclamati at Handbook feet .6 LCY/hr Partly consolidated	ion, Mining & Safety		
Operator Cost/Hour Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume:2, Swell factor:1. Loose volume:2, Source of estimated vo Source of estimated vo Source of estimated sw HOURLY PRODUC Average push distance Unadjusted hourly prod Materials consistency of Average push gradient Average site altitude: Material weight: Weight description: Job Condition Correcti		feet .6 LCY/hr Partly consolidated	ion, Mining & Safety		
Operator Cost/Hour Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 2, Swell factor: 1. Loose volume: 2, Source of estimated vo Source of estimated vo Source of estimated sw HOURLY PRODU Average push distance Unadjusted hourly prod Materials consistency of Average push gradient Average site altitude: Material weight: Weight description: Job Condition Correcti	\$442.35         \$\$442.35         \$\$442.35         339         000         339 LCY         lume:       D         rell factor:       C         CTION         : $400$ duction: $305$ description:	feet .6 LCY/hr Partly consolidated	ion, Mining & Safety ion, Mining & Safety stockpile 1.1 <u>Source</u> (AVG.)		
Operator Cost/Hour Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 2, Swell factor: 1. Loose volume: 2, Source of estimated vo Source of estimated vo Source of estimated sw HOURLY PRODU Average push distance Unadjusted hourly prod Materials consistency of Average push gradient Average site altitude: Material weight: Weight description: Job Condition Correcti Operato Material cons	\$442.35         \$442.35         \$442.35         339         000         339 LCY         lume:       D         rell factor:       C         CTION         :       400         duction:       305         description:	feet .6 LCY/hr Partly consolidated 	ion, Mining & Safety 		
Operator Cost/Hour Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 2, Swell factor: 1. Loose volume: 2, Source of estimated vo Source of estimated vo Source of estimated sw HOURLY PRODUC Average push distance Unadjusted hourly proc Materials consistency of Average push gradient Average site altitude: Material weight: Weight description: Job Condition Correcti Operator Material cons Dozing t	\$442.35         \$442.35         \$442.35         339         000         339 LCY         lume:       D         rell factor:       C         CTION         :       400         duction:       305         description:	feet .6 LCY/hr Partly consolidated	ion, Mining & Safety ion, Mining & Safety stockpile 1.1 <u>Source</u> (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)	
Net correction:	0.7877		
Adjusted unit production: 2	40.72 LCY/hr		
Adjusted fleet production: 2	40.72 LCY/hr		

Fleet size:	1 Dozer(s)
Unit cost:	\$1.838/LCY
Total job times	0 77 Hours

Total job time:	<b>9.72</b> Hours
Total job cost:	\$4,298

Task description:	Replace Topsoil	on Phase 2 a	irea		
High Flume Gravel Pi	it Peri	mit Action:	2024-01-23 Update	Permit/Job#:	M1990093
PROJECT IDENTIFI	CATION				
Task #: 06A	State:	Colorado		Abbreviation:	None
Date: 1/23/2024	County:	La Plata		Filename:	M093-06a
User: DMC				=	
Agency or organ	nization name: <u>DR</u>	RMS			
HOURLY EQUIPME	NT COST				
	D9T - 9SU				
Horsepower: 405					
	ni-Universal				
Attachment: NA					
	er day				
Data Source: (CR	RG)				
Cost Breakdown:					
COST DICARUOWII.			Utilization %		
Ownership Cost/Hour:		\$238.76	NA		
Operating Cost/Hour:		\$162.29	100		
Ripper own. Cost/Hour:		\$102.29	NA NA		
Ripper own. Cost/Hour: Ripper op. Cost/Hour:		\$0.00	NA 25		
11 1					
Operator Cost/Hour:		\$41.30	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT	\$442.35 <b>\$442.35</b> ITIES				
Total Fleet Cost/Hour: <u>MATERIAL QUANT</u> Initial Volume: <u>3,872</u> Swell factor: <u>1.000</u>	\$442.35 ITIES 2 0				
Total Fleet Cost/Hour: <u>MATERIAL QUANT</u> Initial Volume: <u>3,872</u> Swell factor: <u>1.000</u>	<b>\$442.35</b> <u>ITIES</u> 2				
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       3,872         Swell factor:       1.000         Loose volume:       3,872         Source of estimated volume	\$442.35 ITIES 2 0 2 LCY ne: Division (		on, Mining & Safety		
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       3,872         Swell factor:       1.000         Loose volume:       3,872	\$442.35 ITIES 2 0 2 LCY ne: Division (		on, Mining & Safety		
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       3,872         Swell factor:       1.000         Loose volume:       3,872         Source of estimated volume	\$442.35 ITIES 2 0 2 LCY ne: Division (		on, Mining & Safety		
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       3,872         Swell factor:       1.000         Loose volume:       3,872         Source of estimated volume	\$442.35 ITIES 2 2 2 2 LCY ne: Division of factor: Cat Hand		on, Mining & Safety		
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       3,872         Swell factor:       1.000         Loose volume:       3,872         Source of estimated volum         Source of estimated swell         HOURLY PRODUCT	\$442.35           ITIES           2           0           2 LCY           ne:		on, Mining & Safety		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,872 Swell factor: 1.000 Loose volume: 3,872 Source of estimated volum Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance:	\$442.35           ITIES           2           0           2 LCY           ne:	book	on, Mining & Safety		
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       3,872         Swell factor:       1.000         Loose volume:       3,872         Source of estimated volum         Source of estimated swell         HOURLY PRODUCT	\$442.35           ITIES           2           0           2 LCY           ne:	book	on, Mining & Safety		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,872 Swell factor: 1.000 Loose volume: 3,872 Source of estimated volum Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance:	\$442.35           ITIES           2           0           2 LCY           ne:         Division of Cat Hand           factor:         Cat Hand           CION         200 feet           ction:         700.0 LCY/	book hr	on, Mining & Safety		
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       3,872         Swell factor:       1.000         Loose volume:       3,872         Source of estimated volum         Source of estimated swell         HOURLY PRODUCT         Average push distance:         Unadjusted hourly product         Materials consistency dest	\$442.35           ITIES           2           0           2 LCY           ne:         Division of Cat Hand           factor:         Cat Hand           CION           ction:         200 feet           700.0 LCY/           cription:         Partly c	book hr			
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       3,872         Swell factor:       1.000         Loose volume:       3,872         Source of estimated volum         Source of estimated swell         HOURLY PRODUCT         Average push distance:         Unadjusted hourly product	\$442.35           ITIES           2           0           2 LCY           ne:         Division of Cat Hand           factor:         Cat Hand           CION         200 feet           ction:         700.0 LCY/	book hr			
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       3,872         Swell factor:       1.000         Loose volume:       3,872         Source of estimated volum         Source of estimated swell         HOURLY PRODUCT         Average push distance:         Unadjusted hourly product         Materials consistency desc         Average push gradient:         Average site altitude:	\$442.35           ITIES           2           0           2 LCY           ne:         Division 0           factor:         Cat Hand           CION           cription:         200 feet           cription:         Partly c           0 %         6,500 feet	book hr			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,872 Swell factor: 1.000 Loose volume: 3,872 Source of estimated volum Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency dest Average push gradient: Average site altitude: Material weight:	\$442.35           ITIES           2           0           2 LCY           ne:         Division of Cat Hand           factor:         Cat Hand           CION           cription:         200 feet           cription:         Partly c           0 %         6,500 feet           1,600 lbs/LCY	book hr			
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       3,872         Swell factor:       1.000         Loose volume:       3,872         Source of estimated volum         Source of estimated volum         Source of estimated swell         HOURLY PRODUCT         Average push distance:         Unadjusted hourly product         Materials consistency desc         Average site altitude:         Material weight:         Weight description:	\$442.35           ITIES           2           0           2 LCY           ne:         Division of Cat Hand           factor:         Cat Hand           CION           cription:         200 feet           cription:         Partly c           0 %         6,500 feet           1,600 lbs/LCY         Top Soil	book hr			
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       3,872         Swell factor:       1.000         Loose volume:       3,872         Source of estimated volum         Source of estimated volum         Source of estimated swell         HOURLY PRODUCT         Average push distance:         Unadjusted hourly product         Materials consistency dest         Average push gradient:         Average site altitude:         Material weight:         Weight description:         Job Condition Correction	\$442.35           ITIES           2           0           2 LCY           ne:         Division of Cat Hand           factor:         Cat Hand           CION           cription:         200 feet           cription:         Partly c           0 %         6,500 feet           1,600 lbs/LCY         Top Soil           Factor         Factor	book /hr consolidated	stockpile 1.1		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,872 Swell factor: 1.000 Loose volume: 3,872 Source of estimated volum Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency dest Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator S	\$442.35           ITIES           2           0           2 LCY           ne:         Division of Cat Hand           factor:         Cat Hand           CION           cription:         200 feet           off         700.0 LCY/           cription:         Partly control           0 %         6,500 feet           1,600 lbs/LCY         Top Soil           Factor         0.	book hr consolidated	stockpile 1.1 <u>Source</u> (AVG.)		
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       3,872         Swell factor:       1.000         Loose volume:       3,872         Source of estimated volum         Source of estimated volum         Source of estimated swell         HOURLY PRODUCT         Average push distance:         Unadjusted hourly product         Materials consistency dest         Average push gradient:         Average site altitude:         Material weight:         Weight description:         Job Condition Correction         Operator S         Material consistent	\$442.35         ITIES         2         C         Division 0         factor:         200 feet         700.0 LCY/         cription:         Partly c         0 %         6,500 feet         1,600 lbs/LCY         Top Soil         Factor         Skill:       0.         ency:       1.	book hr consolidated 750 100			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 3,872 Swell factor: 1.000 Loose volume: 3,872 Source of estimated volum Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency dest Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator S	\$442.35           ITIES           2           0           2 LCY           ne:         Division of Cat Hand           2 LCY           factor:         Cat Hand           CION           cription:         200 feet           700.0 LCY/           cription:         Partly c           0 %         6,500 feet           1,600 lbs/LCY         Top Soil           Factor         Skill:         0.           cncy:         1.           thod:         1.	book hr consolidated	stockpile 1.1 <u>Source</u> (AVG.)		

Job efficiency	0.830	(1 SHIFT/DAY)	
Spoil pile	e: 0.800	(SSD-AC)	
Push gradien	t: 1.000	(CAT HB)	
Altitude	e: <u>1.000</u>	(CAT HB)	
Material Weigh	t: 1.438	(CAT HB)	
Blade type	e: 1.000	(PAT)	
Net correction	n: 0.7877		
Adjusted unit production:	551.39 LCY/hr		
Adjusted fleet production:	551.39 LCY/hr		

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

Total job time:	<b>7.02</b> Hours
Total job cost:	\$3,106

# BULLDOZER RIPPING WORK

Task descripti	on: Rip topsoil under gravel sto	orage area prior to	revegetation	
Site: High Flum	e Gravel Pit Permit Action:	2024-01-23 Upda	te Permit/Job#	: <u>M1990093</u>
PROJECT 1	<b>DENTIFICATION</b>			
Task #:	07A State: Colorado	)	Abbreviation:	None
	1/23/2024County:La Plata		Filename:	M093-07a
User:	DMC			
Ager	cy or organization name: DRMS			
<u>HOURLY E</u>	QUIPMENT COST			
Bas	ic Machine:Cat D9T - 9SU	I	Horsepower:	405
Ripper	Attachment: 3-Shank Ripper			per day
		Ι	Data Source: (	(CRG)
Cost Breakdov	vn:			
			tilization %	
	Ownership Cost/Hour:	\$238.76	NA	
ъ.	Operating Cost/Hour:	\$162.29	100 NA	
	pper Ownership Cost/Hour:	\$18.32 \$8.98	NA 100	
N	Operator Cost/Hour:	\$41.30	NA	
	Total Unit Cost/Hour:	\$469.65	10/1	
	Total Fleet Cost/Hour: \$4	69.65		
MATERIAI	<b><u>L QUANTITIES</u></b> Se	elected estimating me	ethod: Area	
Alternate Met	nods:			
nic: NA	Bank Volume:	NA	BCY	NA
rea: $2.35$	acres Rip Depth (ft):	2.00	Volume: 7,583	BCY or
		ma 2.25 agrees at a alter		
	Source of estimated quantity: Assur	ine 2.55 acres stock		
<u>HOURLY P</u>	RODUCTION			
Seismic:				
	Seismic Velocity:	NA	feet/second	
Area:				
	Average Ripping Depth:	2.63	feet/pass	
	Average Ripping Width:	7.67	feet/pass	
	Average Ripping Length:	500.00	feet/pass	
	Average Dozer Speed:	88.00	feet/minute	
	Average Maneuver Time:	0.25	minutes/pass	
	Production per unit area:	0.891	acres/hour	
Job Condition	Correction Factors			
	Unadjusted Hourly Unit Production:	0.891	Acres/hr	
	Site Altitude:	6,500	feet	
	Altitude Adj:	1.00	(CAT HB)	
	Job Efficiency:	0.83	(1 shift/day)	
	Net Correction:	0.83	multiplier	
	Adjusted Hourly Unit Production	: 0.74	Acres/hr	
	Adjusted Hourly Fleet Production		Acres/hr	
JOB TIME	AND COST			
	1 Grader(s)	Total iob time:	3.18	Hours
Fleet size: Unit cost:		Total job time: Total job cost:	3.18	Hours

# **REVEGETATION WORK**

Task de	escription:	Revegetation			
Site: High	Flume Gravel Pit	Permit Action:	2024-01-23 Update	Permit/Joba	#: M1990093
	<u>CT IDENTIFIC</u>				N
	$ \begin{array}{rcl} \text{c #:} & 08A \\ \text{ate:} & 1/23/2024 \\ \text{ser:} & DMC \end{array} $	State:         Colorado           County:         La Plata		Abbreviation: _ Filename: _	None M093-08a
	Agency or organiz	ation name: DRMS			

## **FERTILIZING**

#### **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**

ĺ	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
	<b>Total Mulch Application Cost/Acre</b>	\$119.47

## 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

	No. of Acres:			\$5,422.41
Estimate	ed Failure Rate:	35%	Cost /Acre*:	\$5,422.41
*Selected Replanti	ng 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	: <u>Mo</u>	bilize/Demobilize	!				
: <u>High Flume</u> (	Gravel Pit	Permit	Action: <u>2024</u>	-01-23 Upc	late	Permit/Job#: <u>M</u>	1990093
PROJECT IDE	<b>NTIFICATI</b>	<u>ON</u>					
Task #: 09	A	State: Co	olorado		Abbre	eviation: None	
	23/2024 MC	County: La	Plata		Fi	ilename: M093	-09a
Agency	or organization	n name: DRMS					
EQUIPMENT	TRANSPOR	<u>T RIG COST</u>					
					Shift ba	sis: <u>1 per da</u>	у
				C	Cost Data Sour	rce: CRG Da	ta
Truc	k Tractor Desc	ription: GENE	RIC ON-HIGH			DR, 6X4, DIESEI	POWERED,
					(2ND HALF,		
True	ck Trailer Desc	ription: G				ROP DECK EQU	IPMENT
				IKAILEK	(25T, 50T, AN	ND 1001)	
<u>Cost Breakdown:</u>							
Available Rig (		0-25 Tons	26-50 Tons		Tons		
	p Cost/Hour:	\$20.26	\$36.04		7.05		
	g Cost/Hour:	\$39.51	\$76.08		2.85		
	or Cost/Hour:	\$22.52	\$22.52		2.52		
	er Cost/Hour:	\$0.00	\$23.53		3.53		
Total Un	it Cost/Hour:	\$82.29	\$158.17	\$1	75.95		
NON ROADAH	BLE EQUIPN	MENT:					
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
Description	(TONS)		t	SILC	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	23.00	<i>Q</i> 0.7 <i>5</i>	<i><b>4</b>02.27</i>	1	φ07.0 <i>L</i>	<i>QULL</i>	<b>\$0.00</b>
Tractor							
Power Mulcher	6.00	\$25.94	\$82.29	1	\$108.23	\$82.29	\$0.00
(Bowie LD-90)							
/		·					
				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 14.00 35.00	miles mph
Total Non-Roadable Mob/Demob Cost *	\$2,537.21	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$12.66	_

Transportation Cycle Time:

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

### JOB TIME AND COST

Total job time: <u>3.60</u> Hours

Total job cost: \$2,550