

October 17, 2023

Donald Corson C&B Sand and Gravel Inc. P.O. Box 147 Baggs, WY 82321

Re: Sheehan Pit (Permit No. M-2007-058)
Technical Revision No. 2

Adequacy Review

Dear Mr. Corson:

After reviewing TR-2 from C&B Sand and Gravel Inc. for the Sheehan Pit, the Division has the following comments:

- 1. When reviewing the proposed Exhibit E Mining Plan Map and Exhibit E Reclamation Plan Map, the legend for both shows the "mined area" as shaded yellow. However, it is unclear to the Division in both maps which portion of the site this is referring to. Please provide and updated Mining Plan and Reclamation Plan map that clearly delineates the "mined area" boundary.
- 2. When reviewing the proposed Exhibit E Mining Plan Map and Exhibit E Reclamation Plan Map, there is an additional line added to both maps that splits the site into approximate halves. It is unclear to the Division on what this new additional line represents. For additional clarification, please refer to the "green arrow" shown in Figure 1 of this Letter. Please provide the Division with additional clarification on what the new additional line the Mining Plan Map and Reclamation Plan map represents and update the referenced Maps as necessary.
- 3. When reviewing the proposed Exhibit E Mining Plan Map and Exhibit E Reclamation Plan Map, the northern portion above the newly additional line noted in Comment 2 of this Letter appears to have been shaded out. It is unclear to the Division to why this change has occurred as there is no reference to the shaded out area in the associated Map legends. For additional clarification, please refer to the area enclosed by the dashed green lines as shown in Figure 1 of this Letter. Please provide the Division with additional clarification on what the newly shaded out area of the Mining Plan Map and Reclamation Plan map represents and update the referenced Maps as necessary.





- 4. There appears to be some acreage discrepancies provided on the proposed Exhibit E Mining Plan Map and Exhibit E Reclamation Plan Map when comparing them to the currently approved Mining and Reclamation Plan Maps (Figure 2 of this Letter). The currently approved noted Maps show the "mine" as a total of 8.14 acres however the proposed maps show only 5 total acres associated with the "mine". In order for the Division to release disturbed acreage, it must go through the Acreage Release process and meet the reclamation requirements of the Rules and Regulations as well as the approved reclamation plan. The total "mine" area will still need to be the approved 8.14 acres. Please provide an updated Mining Plan and Reclamation Plan map with the current "mine" acreages.
- 5. It is observed that when reviewing the proposed Exhibit E Mining Plan Map and Exhibit E Reclamation Plan Map the Storage and Crushing Area is being increased from currently approved 0.62 acres to 3.25 acres. It should be noted that the purpose of the Technical Revision is to abate specifically the problem noted as a result of the Division's inspection that occurred on August 28, 2023. An increase in permitted acreage would need to be address in a separate Technical Revision. Please provide an updated Mining Plan and Reclamation Plan map removing the proposed increased acreage to the Storage and Crushing Area.
- 6. Currently the Division holds a Financial Warranty in the amount of \$51,470 for this site. The bond was last recalculated with TR-1 which was issued on September 25, 2018. As part of the Technical Revision process, the Division has recalculated its reclamation cost estimate. The total amount associated with the updated reclamation cost estimate is \$86,599. This is an increase of \$35,129. Attached is the Division's reclamation cost estimate for Sheehan Pit. The Division's cost estimate is consistent with previous cost estimates approved by both the Division and C&B Sand and Gravel, Inc. If the Operator has any questions or comments regarding the increase to the required financial warranty, please provide a response to the Division as part of this Technical Revision adequacy review process.

If you have any questions, feel free to contact me.

Sincerely,

Zach Trujillo

Environmental Protection Specialist





(303) 866-3567 ext. 8164 Zach.Trujillo@state.co.us





Figures

Figure 1

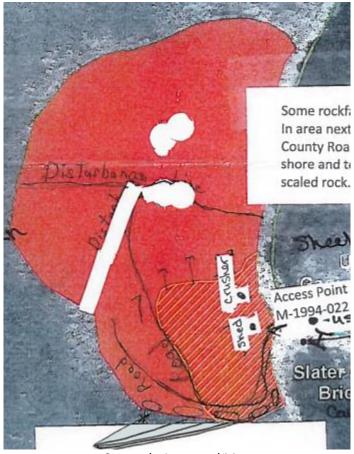


Proposed Map





Figure 2



Currently Approved Map



COST SUMMARY WORK

	'ask description:	Reclaim Site					
): -	Sheehan Pit	Pern	nit Action:	TR2		Permit/Jol	o#: <u>M2007058</u>
ΡF	ROJECT IDENTIFIC	<u>CATION</u>					
	Task #: 000	State:	Colorado			Abbreviation:	None
	Date: 10/17/2023		Moffat			Filename:	M058-000
	User: ZTT						
	Agency or organiz	zation name: DRN	4S				
T/	ASK LIST (DIRECT	COSTS)					
ı.				Form	Fleet	Task	
k	Description			Used	Size	Hours	Cost
	Main- Slope Highwal			DOZER	1	68.95	\$30,900
	Main-Distribute Tops			DOZER	1	16.83	\$7,455
	Main-Reveg disturbed	d area		REVEGE	1	8.00	\$21,076
	Stockpile- Rip			RIPPER	1	1.06	\$239
	Stockpile-Distribute 7	-		DOZER	_ 1	0.38	\$168
	Stockpile- Reveg dist			REVEGE	1	2.00	\$1,464
	Initial Mobilization of		ment	MOBILIZE	1	6.80	\$5,280
	Secondary Mobilizati	on of Reclamation		MOBILIZE	1	6.80	\$2,459
	Equipment Main-Remove Shed			DEMOLICII		2.00	\$222
	Main-Remove Siled			DEMOLISH	1	2.00	\$233
				SUBTO	OTALS:	112.82	\$69,274
_						<u> </u>	
IN	DIRECT COSTS						
<i>1</i> 0	VERHEAD AND PROFI	<u>T:</u>					
	Liability insuran						1,399
	Performance bo						727
	Job superintende						3,671
	Pro	ofit: 10.00			тот н		6,927
			CONTE				12,725
			CONTR	RACT AMOUNT	(airect +	$-\mathbf{O} \otimes \mathbf{P} = \mathbf{S}$	81,999
LE	GAL - ENGINEERING	- PROJECT MANA	GEMENT:				
	Financial warranty pro	ocessing (legal/relate	d costs):	\$500		Total = \$3	500
	Engineering work and			0.00	_	Total = \$6	0
	Reclamation manag	ement and/or admini	stration:	5.00	_	\$4	4,100
		CONTING	GENCY:	0.00		Total = \$6	0

TOTAL INDIRECT COST = \$17,325

TOTAL BOND AMOUNT (direct + indirect) = \$86,599

BULLDOZER WORK

Task descrip	ption:	_	Main-	Slope Hig	hwalls					
: Sheehan	Pit			Per	mit Action:	TR2		Permit/J	Job#:	M2007058
PROJECT	Γ IDEN	TIFIC	ATIO	<u> </u>						
Task #:	01A			State:	Colorado			Abbreviati	on:	None
Date:	10/17/	/2023		County:	Moffat			Filenar	_	M058-01a
User:	ZTT								_	
Ag	gency or	organiz	ation na	me: DI	RMS					
HOURLY	EQUII	PMEN	T COS	<u>T</u>						
Basic Ma	achine:	Cat D	8T - 8SI	IJ						
Horsep	power:	310								
Blade	Type:	Semi-	Univers	al						
	hment:		nk rippe	r						
	Basis:	1 per								
Data S	ource:	(CRG)			_				
Cost Breakd	lown:									
							Utilization %			
Ownership					\$241.38		NA			
Operating					\$143.92		100			
Ripper own.					\$14.11		NA			
Ripper op.					\$7.45		100			
Operator	Cost/H	our:			\$41.30		NA			
Total unit Co		r:	\$448.16 \$448.16		·					
Total unit Co Total Fleet C	Cost/Hou AL QU lume:	r: ur: ANTI T	\$448.16 <u>FIES</u>		_					
Total unit Co Total Fleet C	Cost/Hounders Cost/Hounders	r: ur: ANTII 24,074 1.330	\$448.16 <u>FIES</u>							
Total unit Co Total Fleet C MATERIA Initial Vol Swell fa	AL QUAL LUME: _actor: _ lume: _stimated	r:	\$448.16 FIES LCY		 500'W and 60)'H x 50	00'W benches 1:	1 to 3:1		
Total unit Co Total Fleet C MATERIA Initial Vol- Swell fa Loose vol- Source of es	AL QUAL Lume: _ actor: _ lume: _ stimated	r:	LCY ::	40' H x 5	 500'W and 60	O'H x 50	00'W benches 1:	1 to 3:1		
Total unit Co Total Fleet C MATERIA Initial Vol- Swell fa Loose vol- Source of est	AL QUAL Lume: actor: lume: stimated PROD sh distan	24,074 1.330 32,018 volume swell fa	ELCY :: actor:	40' H x 5	00'W and 60	D'H x 5	00'W benches 1:	1 to 3:1		
Total unit Co Total Fleet Co MATERIA Initial Vol- Swell fa Loose vol- Source of est Source of est HOURLY Average pus	AL QUAL lume:actor:lume:stimated stimated PROD sh distan hourly p	24,074 1.330 32,018 volume swell face:	LCY : actor: ON on:1,	40° H x 5 cut&fill Cat Hand	00'W and 60			1 to 3:1		
Total unit Co Total Fleet Co MATERIA Initial Vol- Swell fa Loose vol- Source of ess Source of ess HOURLY Average pus Unadjusted I	AL QUAL LUME:actor:lume:stimated stimated sh distan hourly ponsistencesh gradie	ANTITI 24,074 1.330 32,018 volume swell face: production by description:	LCY : actor:	40° H x 5 cut&fill Cat Hand 0 feet 400.0 LC Rock, a	 			1 to 3:1		
Total unit Co Total Fleet Co MATERIA Initial Vol- Swell fa Loose vol- Source of ess Source of ess HOURLY Average pus Unadjusted I	AL QUAL LUME:actor:lume:stimated stimated sh distan hourly ponsistencesh gradie	ANTITI 24,074 1.330 32,018 volume swell face: production by description:	LCY : netor: ON iption:	40° H x 5 cut&fill Cat Hand 0 feet 400.0 LC Rock, a	 			1 to 3:1		
Total unit Co Total Fleet Co MATERIA Initial Vol- Swell fa Loose vol- Source of ess Source of ess HOURLY Average pus Unadjusted I	AL QUAL DUAL DUAL DUAL DUAL DUAL DUAL DUAL D	ANTITI 24,074 1.330 32,018 volume swell fa DUCTIO ace: production ent: ent: ent:	LCY : actor:	40° H x 5 cut&fill Cat Hand 0 feet 400.0 LC Rock, a	 			1 to 3:1		
Total unit Co Total Fleet Co MATERIA Initial Vol- Swell fa Loose vol- Source of est Source of est HOURLY Average pus Unadjusted I Materials co Average pus Average site	AL QUAL lume: actor: lume: lume: stimated stimated APROD sh distan hourly p onsistence sh gradie altitude ight:	ANTITI 24,074 1.330 32,018 volume swell face: production by description:	LCY : actor: _ ON iption: _ 0 % 6,630 fe 2,900 lb	40' H x 5 cut&fill Cat Hand 0 feet 400.0 LC Rock, a	 	r blaste	d 0.7	1 to 3:1		
Total unit Co Total Fleet C MATERIA Initial Vol Swell fa Loose vol Source of es Source of es HOURLY Average pus Unadjusted I Materials co Average pus Average site Material wei	AL QUAL lume: actor: lume: stimated stimated TPROD sh distan hourly p onsistence sh gradice altitude ight: cription: on Corre	ANTITI 24,074 1.330 32,018 volume swell fa DUCTION ce: broduction ent: extion Fa	LCY : actor: _ ON iption: _ 0 % 6,630 fe 2,900 lb Decomp	40° H x 5 cut&fill Cat Hand O feet 400.0 LC Rock, a	Y/hr avg. ripped o	r blaste	d 0.7 Carth Source	1 to 3:1		
Total unit Co Total Fleet Co MATERIA Initial Vol- Swell fa Loose vol- Source of est Source of est HOURLY Average pus Unadjusted I Materials co Average pus Average site Material wei Weight desc Job Condition	AL QUAL lume: actor: lume: stimated stimated TPROD sh distan hourly p onsistence sh gradice altitude ight: cription: on Corre	ANTITION 24,074 1.330 32,018 volume swell face: production ent: extion Farator Sk	LCY : actor: _ ON iption: _ 0 % 6,630 fe 2,900 lb Decomp	40° H x 5 cut&fill Cat Hand O feet 400.0 LC Rock, a et s/LCY osed rock	Y/hr avg. ripped o	r blaste	d 0.7	1 to 3:1		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3317

Adjusted unit production: 464.38 LCY/hr
Adjusted fleet production: 464.38 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.965/LCY

Total job time: 68.95 Hours
Total job cost: \$30,900

BULLDOZER WORK

Task description:	Main-Distribute	Topsoil			
e: Sheehan Pit	Per	mit Action: T	R2	Permit/Job#:	M2007058
PROJECT IDENTIFI	<u>ICATION</u>				
Task #: 02A	State:	Colorado		Abbreviation:	None
Date: 10/17/2023	County:	Moffat		Filename:	M058-02a
User: ZTT				-	
	· .:	DMC			
Agency or organ	iization name: DF	RMS			
HOURLY EQUIPME	NT COST				
Basic Machine: Cat	D8T - 8SU				
Horsepower: 310					
	ni-Universal				
, i	nank ripper				
	er day				
Data Source: (CR	*				
	(10)				
Cost Breakdown:					
			<u>Utilization %</u>		
Ownership Cost/Hour:		\$241.38	NA		
Operating Cost/Hour:		\$143.92	100		
Ripper own. Cost/Hour:		\$14.11	NA		
Ripper op. Cost/Hour:		\$2.24	30		
Operator Cost/Hour:		\$41.30	NA		
Total unit Cost/Hour:	\$442.95				
			<u> </u>		
Total Fleet Cost/Hour:	\$442.95				
MATERIAL QUANT	ITIES				
MATERIAL QUANT	111120				
Initial Volume: 2,15	1				
Swell factor: 1.000)				
Loose volume: 2,15	1 LCY	_			
Source of estimated volum		ac disturbed			
Source of estimated swell	factor: Cat Hand	lbook			
HOURLY PRODUCT	TION				
•	<u> </u>				
Average push distance:	150 feet		<u> </u>		
Unadjusted hourly produc	etion: 634.3 LCY	/hr	<u> </u>		
Materials consistency des	cription: Rock, a	avg. ripped or bl	lasted 0.7		
Average push gradient:	15 %				
Average site altitude:	6,630 feet				
Material weight:	2,650 lbs/LCY			_	
Weight description:	Decomposed rock	- 25% Rock, 75	5% Earth		
Job Condition Correction			Source		
Operator S	Skill: 0.	.750	(AVG.)		
Material consists	ency: 0.	.700	(CAT HB)		
Dozing met	thod:	.000	(GEN.)		
Visib		.000	(AVG.)		

0.830	(1 SHIFT/DAY)
0.800	(FND-RF)
0.666	(CAT HB)
1.000	(CAT HB)
0.868	(CAT HB)
1.000	(PAT)
	0.800 0.666 1.000 0.868

Net correction: 0.2015

Adjusted unit production: 127.81 LCY/hr
Adjusted fleet production: 127.81 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$3.466/LCY

Total job time: 16.83 Hours
Total job cost: \$7,455

REVEGETATION WORK

Sheehan Pit		Action: TR2			Permit/Job	#: <u>M2007058</u>
ROJECT IDENTIFICA Task #: 03A		lorado		Ał	breviation:	None
Date: 10/17/2023 User: ZTT	County: Mo	ffat			Filename:	M058-03a
Agency or organiza	tion name: DRMS					
ERTILIZING						
aterials						
Description		Units / Acre	Unit	Co	st / Unit	Cost /Acre
				\$		\$
				То	tal Fertilizer Materials	
					Cost/Acre	\$0.00
<u>LLING</u>		1 ota	i Fertilizer	Аррисац	on Cost/Acre	\$0.00
Description						Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6	5100)				\$112.82
			,	Total Tilli	ng Cost/Acre	\$112.82
EEDING						
Seed Mix				Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Bluebunch Wheatgrass - S	Secar			10.00	32.14	\$108.75
Indian Ricegrass - Native	1			2.00	6.47	\$13.00
Crested Wheatgrass - Nor Western Wheatgrass - Nat				4.00 5.80	18.37 14.65	\$15.60 \$34.80
	uve			3.80	14.03	\$34.60
Western Wheatgrass - Nat		Totals 9	Seed Mix	21.80	71.63	\$172.15

Description

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 - Curtail @ 4.0 pt/ac	1.00	ACRE	\$35.09	\$35.09
Hydromulch tackifier, <15 ac. {Materials Only}	1.00	ACRE	\$1,655.28	\$1,655.28
Silt fence, Materials (MEANS 31 25 14.16	40.00	LINEAR	\$0.64	\$25.60
1000)		FOOT		
Total Mulch Materials Cost/Acre				\$1,715.97

Application

Description	Cost /Acre
NA-mulch application incl. with hydroseeding	\$0.00
Silt fence, Labor + Maint for 6 months (MEANS 32 25 14.16 1100)	\$15.18
Weed spray, hand, non-aquatic area, nox. [DMG]	\$183.16
Track Malab Anna Paratan Cartil Anna	
Total Mulch Application Cost/Acre	\$198.34

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

JOB TIME AND COST

No. of Acres:	4	Cost /Acre:	\$3,512.61
Estimated Failure Rate:	50%	Cost /Acre*:	\$3,512.61

*Selected Replanting Work Items: TILLING, SEEDING, MULCHING

Initial Job Cost:
Reseeding Job Cost:
Total Job Cost:
Job Hours:

\$14,050.44

\$7,025.22

\$21,076

8.00

BULLDOZER WORK

Task d	description:	Stock	oile-Distribute Top	soil			
e: She	eehan Pit		Permit Action	on: TR2		Permit/Job#:	M2007058
PRO.	JECT IDEN	NTIFICATIO	<u>N</u>				
Tas	sk #: 05A		State: Colora	ado		Abbreviation:	None
Г		7/2023	County: Moffa			Filename:	M058-05a
U	User: ZTT					-	
	Agency or	organization n	ame: DRMS				
<u>HOU</u>	RLY EQUI	PMENT CO	<u>ST</u>				
	sic Machine:	Cat D8T - 88	SU				
	Horsepower:	310	1				
	Blade Type:	Semi-Univer					
•	Attachment: Shift Basis:	3-shank rippe 1 per day	er				
т	Data Source:	(CRG)					
		(CNO)					
Cost B	Breakdown:			i			
0	11 0 0	.	Φ2.14	20	<u>Utilization %</u>		
	nership Cost/H		\$241.		NA 100		
	erating Cost/H er own. Cost/H		\$143. \$14.		100 NA		
	per op. Cost/E		\$14. \$2.		30		
	erator Cost/E		\$41.				
Ope	erator Cost/F	10ur:	\$41.	30	NA		
Total ı	unit Cost/Hou	ır: \$442.9:	5				
	Fleet Cost/Ho						
MAT	TERIAL OU	ANTITIES					
	ial Volume:	250					
	well factor:	1.215					
Loo	ose volume:	304 LCY					
Source	e of estimated	l volume:	3" over 0.62 ac di	strubed			
	e of estimated		Cat Handbook	.517 45 5 4			
ноп	RLY PROI	DUCTION					
		<u> </u>					
	ige push distai		75 feet				
Unadj	justed hourly p	production:	1,017.1 LCY/hr				
Materi	ials consisten	cy description:	Partly consolid	ated stockp	ile 1.1		
Averag	ige push gradi ige site altitud		eet				
·		e: 6,630 f	eet bs/LCY			_	
Materi	ige site altitud	e: 6,630 f	bs/LCY				
Materi	ge site altitudial weight:	6,630 f 1,600 l Top So	bs/LCY		Source		
Materi	ge site altitud ial weight: ht description: ondition Corre	6,630 f 1,600 l Top So	bs/LCY		Source (AVG.)		
Materi	ige site altituderial weight: Int description: Ondition Correct Ope Material correct	e: 6,630 f 1,600 f Top So ection Factor erator Skill: onsistency:	os/LCY il				
Materi Weigh	ige site altituderial weight: Int description: Ondition Correct Ope Material correct	e: 6,630 f 1,600 f Top So ection Factor erator Skill:	os/LCY il 0.750		(AVG.)		

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

Net correction: 0.7877

Adjusted unit production: 801.17 LCY/hr
Adjusted fleet production: 801.17 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.553/LCY

Total job time: 0.38 Hours
Total job cost: \$168

REVEGETATION WORK

				#: <u>M2007058</u>		
ROJECT IDENTIFICA Task #: 06A	TION State:	Colorado		Λŀ	breviation:	None
Date: 10/17/2023 User: ZTT	County:	Moffat			Filename: _	M058-06a
Agency or organizat	ion name: DR	MS				
ERTILIZING						
aterials		TT *4 /				
Description		Units / Acre	Unit	Cos	st / Unit	Cost /Acre
				\$		\$
				То	tal Fertilizer Materials	
					Cost/Acre	\$0.00
		Total	l Fertilizer	Application	on Cost/Acre	\$0.00
<u>LLING</u>		Total	l Fertilizer	Application	on Cost/Acre	\$0.00
		Total	l Fertilizer	Application	on Cost/Acre	
Description	лғаns 32 91 13		l Fertilizer	Application	on Cost/Acre	Cost /Acre
	MEANS 32 91 13		l Fertilizer	Application	on Cost/Acre	
Description	MEANS 32 91 13				on Cost/Acre	Cost /Acre
Description	MEANS 32 91 13					Cost /Acre \$112.82
Description Disc harrowing, 6" deep (N	MEANS 32 91 13			Rate – PLS LBS /		Cost /Acre \$112.82
Description Disc harrowing, 6" deep (Note: 1.25) EEDING Seed Mix Indian Ricegrass - Native				Rate – PLS LBS / Acre 1.00	Seeds per SQ. FT	Cost /Acre \$112.82 \$112.82 Cost /Acre \$6.50
Description Disc harrowing, 6" deep (Note: 10 to	ive			Rate – PLS LBS / Acre 1.00 2.90	Seeds per SQ. FT 3.24 7.32	Cost /Acre \$112.82 \$112.82 Cost /Acre \$6.50 \$17.40
Description Disc harrowing, 6" deep (Note: 10 to	ive orm			Rate - PLS LBS / Acre 1.00 2.90 5.50	Seeds per SQ. FT 3.24 7.32 22.85	Cost /Acre \$112.82 \$112.82 Cost /Acre \$6.50 \$17.40 \$64.76
Description Disc harrowing, 6" deep (Note: 10 to	ive orm			Rate – PLS LBS / Acre 1.00 2.90	Seeds per SQ. FT 3.24 7.32	Cost /Acre \$112.82 \$112.82 Cost /Acre \$6.50 \$17.40

Description

Drill Seeding (DRMS Survey Cost)		\$232.00
	Total Seed Application Cost/Acre	\$232.00

MULCHING and MISCELLANEOUS

Materials

Description	Units /	Unit	Cost / Unit	Cost /Acre
Hay, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$429.79	\$859.57
Herbicide - Curtail @ 4.0 pt/ac	1.00	ACRE	\$35.09	\$35.09
1			,	
Total Mulch Materials Cost/Acre				\$894.66

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$74.46
Power mulcher (MEANS 32 91 13.16 0350)		\$147.67
Weed spray, hand, non-aquatic area, nox. [DMG]		\$183.16
	Total Mulch Application Cost/Acre	\$405.29

NURSERY STOCK PLANTING

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

JOB TIME AND COST

 No. of Acres:
 0.62
 Cost /Acre:
 \$1,748.84

 Estimated Failure Rate:
 35%
 Cost /Acre*:
 \$1,748.84

*Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: \$1,084.28

Reseeding Job Cost: \$379.50

Total Job Cost: \$1,464

2.00

EQUIPMENT MOBILIZATION/DEMOBILIZATION

I ask descr	ription: In	itial Mobilizatio	n of Reclamation E	quipment		
Site: Sheehar	Sheehan Pit		it Action: TR2	Per	Permit/Job#: <u>M2007058</u>	
PROJECT	Γ IDENTIFICAT	<u>ION</u>				
Task #:			Colorado	Abbrevia		None
Date: User:	-	_ County:	Moffat	Filen	ame:	С
A	gency or organization	on name: DRM	IS			
<u>EQUIPMI</u>	ENT TRANSPOL	RT RIG COST				
				Shift basis:	· ——	1 per day
				Cost Data Source:		CRG Data
	Truck Tractor Des	cription: GEN	ERIC ON-HIGHW	AY TRUCK TRACTOR,	6X4,	DIESEL POWERED,
				400 HP (2ND HALF, 200	06)	
	Truck Trailer Des	cription:	GENERIC FOLDIN	IG GOOSENECK, DROF	P DEC	CK EQUIPMENT
			TR	AILER (25T, 50T, AND	100T))
Cost Break	down:					
Available	Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons		
	nership Cost/Hour:	\$20.26	\$36.04	\$47.05		
Op	perating Cost/Hour:	\$39.51	\$76.08	\$82.85		
O	perator Cost/Hour:	\$22.52	\$22.52	\$22.52		
	Helper Cost/Hour:	\$0.00	\$23.53	\$23.53		
Tot	tal Unit Cost/Hour:	\$82.29	\$158.17	\$175.95		

NON ROADABLE EQUIPMENT:

Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Trip	DOT Permit
Description	Unit	Cost/hr/ unit	Cost/hr/uni	Size	Cost/hr/	Cost/hr/ fleet	Cost/ fleet
	(TONS)		t		fleet		
Cat D8T - 8SU	53.08	\$255.49	\$175.95	1	\$431.44	\$175.95	\$250.00
Drill/Broadcast	25.00	\$6.73	\$82.29	1	\$89.02	\$82.29	\$250.00
Seeder with							
Tractor							
Power Mulcher	6.00	\$25.94	\$82.29	1	\$108.23	\$82.29	\$250.00
(Bowie LD-90)							

Subtotals: \$628.69 \$340.53 \$750.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Hydroseeder with Tractor	\$54.30	1	\$54.30	\$54.30
Light Duty Pickup, 4x4, 1 T.	\$27.44	1	\$27.44	\$27.44
Crew				

Subtotals:	\$81.74	\$81.74

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:

Total one-way travel distance:

Average Travel Speed:

CRAIG, CO
miles
50.00
mph

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	1.20	1.20
Return Time (Hours):	1.20	1.20
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	3.40	2.40

JOB TIME AND COST

Total job time:	6.80	Hours
Total job cost:	\$5,280	

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Tas	sk description: Sec	condary Mobiliz	ation of Reclan	nation Equipment	t		
Site: _	Sheehan Pit	Permit Action: TR2			Permit/Job#: <u>M2007058</u>		
PRO	OJECT IDENTIFICAT	<u>ION</u>					
	Task #: 08A Date: 10/17/2023 User: ZTT		Colorado Aoffat		Abbreviation: Filename:	None M058-08a	
	Agency or organizatio	n name: DRM	S				
EQI	UIPMENT TRANSPOR Truck Tractor Desc		ERIC ON-HIGI	Cost D	ata Source: C	1 per day CRG Data DIESEL POWERED,	
	Truck Trailer Desc	cription:	GENERIC FOL	DING GOOSENE TRAILER (25T, :		-	
Cost	Breakdown:						
Av	ailable Rig Capacities	0-25 Tons	26-50 Tons	s 51+ Tons			
	Ownership Cost/Hour:	\$20.26	\$36.04	\$47.05			
	Operating Cost/Hour:	\$39.51	\$76.08	\$82.85			
	Operator Cost/Hour:	\$22.52	\$22.52	\$22.52			
-	Helper Cost/Hour:	\$0.00	\$23.53	\$23.53			
	Total Unit Cost/Hour:	\$82.29	\$158.17	\$175.95			

NON ROADABLE EQUIPMENT:

Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Trip	DOT Permit
Description	Unit	Cost/hr/ unit	Cost/hr/uni	Size	Cost/hr/	Cost/hr/ fleet	Cost/ fleet
	(TONS)		t		fleet		
Drill/Broadcast	25.00	\$6.73	\$82.29	1	\$89.02	\$82.29	\$250.00
Seeder with							
Tractor							
Power Mulcher	6.00	\$25.94	\$82.29	1	\$108.23	\$82.29	\$250.00
(Bowie LD-90)							

Subtotals: \$197.25 \$164.58 \$500.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Hydroseeder with Tractor	\$54.30	1	\$54.30	\$54.30
Light Duty Pickup, 4x4, 1 T. Crew	\$27.44	1	\$27.44	\$27.44

Subtotals: \$81.74 \$81.7	74
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EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:

Total one-way travel distance:

Average Travel Speed:

CRAIG, CO
miles
50.00
mph

Total Non-Roadable Mob/Demob Cost *
 '* two round trips with haul rig:
 Total Roadable Mob/Demob Cost **
 ** one round trip, no haul rig:

\$2,262.89

\$196.18

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	1.20	1.20
Return Time (Hours):	1.20	1.20
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	3.40	2.40

JOB TIME AND COST

Total job cost: 6.80 Hours

Total job cost: \$2,459

DEMOLITION WORK

Main-Remove Shed

Task description:

Site: Sheehan Pit			Permit Action: TR2	Permit Action: TR2			Permit/Job#: <u>M2007058</u>			
PROJEC'	T IDENTI	FICATION								
Task #: 09A State: Date: 10/17/2023 County: User: ZTT Agency or organization name:			ounty: Moffat	y: Moffat			Abbreviation: None Filename: M058-09a			
UNIT COS		of organization har	iic. <u>DRIVIS</u>		Location	adjustment	: 95.50 %			
Structure or Item Description Dimensions		Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost				
Shed		10' x 8' x 8'	Bldg. (SN) demo./off-site disposal in approved landfill - Max. 15 mile haul	640.00	CF	\$0.38	\$244.10			
Job Hoi	urs:	2.00	Subtotal (unadjusted): \$2	44.10	(adju	otal Cost usted for ocation):	\$233.12			