STATE OF COLORADO

DIVISION OF RECLAMATION, MINING AND SAFETY Department of Natural Resources

1313 Sherman St., Room 215 Denver, Colorado 80203 Phone: (303) 866-3567 FAX: (303) 832-8106



John W. Hickenlooper Governor

Mike King Executive Director

Loretta Piñeda Director

November 2, 2012

Gary Woodworth The Gallegos Corporation P.O. Box 821 Vail, CO 81658

Re: Conger Harvesting Area, Acreage Reduction, Permit No. M-1998-022, Revision No. AR-2

Dear Mr. Woodworth:

On October 31, 2012, the Colorado Division of Reclamation, Mining and Safety (Division) received your request to remove Task No. 2 (Re-grading and Ripping of Bench with Dozer) and to reduce the mobilization costs based on no longer needing a dozer at the site.

The Division has recalculated the reclamation bond estimate based on this request and has determined that the required bond to reclaim the site is now \$5,478.23. Therefore, the currently held bond amount of \$7,725.00 is adequate at this time. Please see the enclosed revised reclamation bond estimate. Please contact me immediately if any errors exist.

If you have any questions, please contact me at the Division of Reclamation, Mining and Safety, Grand Junction Field Office, 101 South 3rd Street, Room 301, Grand Junction, Colorado 81501, phone no. (970) 241-2042.

Sincerely,

Travis H. Marshall Environmental Protection Specialist

Enclosure: Reclamation Cost Update

cc: William Balaz Tetra Tech 120 West Park Drive, Suite 204 Grand Junction, CO 81505

COST SUMMARY WORK

Task des	cription: Revised Final Reclamation Cost Estimat	e			
Site: _	Conger Harvesting Area F	Permit Action: _A	R-2	Permit	/Job#: M1998022
<u>P</u>]	ROJECT IDENTIFICATION				
	Task #: 001 State: Colorado)		Abbreviation:	None
	Date: 9/13/2012 County: Gunniso	n		Filename:	
	User: THM				
	Agency or organization name: DRMS				
<u>T</u>	<u>ASK LIST (DIRECT COSTS)</u>				
Task		Form	Fleet	Task	
01a	Description	Used	Size	Hours	Cost
01a 02a	Regrade site to 2H:1V Revegetation	EXCAVATE REVEGE		15.46 8.00	\$1,570.00 \$1,267.19
02a 03a	Mobilization	MOBILIZE	1	6.00	\$1,150.28
		<u>SUBTO</u>	TALS:	29.46	\$3,987.47
I	NDIRECT COSTS				
	VERHEAD AND PROFIT:				
	Liability insurance: 2.02%			Total =	\$80.55
	Performance bond: 1.05%				\$41.87
	Job superintendent: 2.00 hrs				\$118.60
	Profit: 10.00%				\$398.75
					\$639.77
	CO	NTRACT AMOU	NI (direc	(t + 0 & P) = -	\$4,627.24
L	EGAL - ENGINEERING - PROJECT MANAGEMEN	IT:			
	Financial warranty processing (legal/related costs):	500.00		Total =	500.00
	Engineering work and/or contract/bid preparation:			Total =	\$0.00
	Reclamation management and/or administration:	5.00%			\$231.36
	CONTINGENCY:	3.00		Total =	\$119.62
		TOTAI	L INDIRI	ECT COST = _	\$1,490.76
	TOTAL	BOND AMOUNT	Γ (direct ·	+ indirect) =	\$5,478.23

HYDRAULIC EXCAVATOR WORK

Ownership Cost/Hour: \$22.27 NA Operating Cost/Hour: \$40.56 100 Operator Cost/Hour: \$38.67 NA Operator Cost/Hour: \$3101.51 Total Unit Cost/Hour: \$101.51 Total Fleet Cost/Hour: \$101.51 Total Pleet Cost/Hour: \$101.51 MATERIAL QUANTITIES Initial volume: 2,493 CCY Swell factor: 1.000 Loose volume: 2,493 LCY Source of estimated wolume: Division of Reclamation, Mining & Safety Source of estimated swell factor: Cat Handbook AVERAGE	Task description:	Regrade site	to 2H:1V				
Task #: 01A State: Colorado Abbreviation: None Date: 9/13/2012 County: Gunnison Filename: M022-01a Muser: THM Agency or organization name: DRMS HOURLY EQUIPMENT COST Basic Machine: Cat 319D L 8'-10" Stick Horsepower: 125 Attachment I: ROPS Cab Shift Basis: 1 per day Data Source: (CRG) Cat Breakdown: Veight (MT): 19.55 Ownership Cost/Hour: \$22.27 NA Data Source: (CRG) Operating Cost/Hour: \$30.56 100 Operator Cost/Hour: \$101.51 Total Fleet Cost/Hour: \$101.51 Initial volume: 2,493 LCY Source of estimated swell factor: 1.000 Cat Handbook MORAGE HOURLY PRODUCTION Esecondary Job Condition of Reclamation, Mining & Safety Source O282 minutes Source of estimated swell factor: 1.000 AVERAGE Cycle Time Value: 0.282 minutes Load Bucket Capacity: 1.10 LCY (heaped) AVERAGE Source Medi	Conger Harvesting	Area	Permit Action:	AR-2		Permit/Job#:	M1998022
Date: 9/13/2012 County: Gunnison Filename: M022-01a Agency or organization name: DRMS HOURLY EQUIPMENT COST Basic Machine: Cat 319D L 8'-10" Stick Horsepower: 125 Matachment 1: ROPS Cab Weight (MT): 19.55 Shift Basis: 1 per day Data Source: (CRG) Cost Breakdown: Utilization % Ownership Cost/Hour: \$22.27 NA Operating Cost/Hour: \$38.67 NA Operator Cost/Hour: \$3101.51 MA Total Unit Cost/Hour: \$101.51 MA MATERIAL QUANTITIES Initial volume: 2.493 Loose volume: 2.493 LCY Source of estimated wolume: Division of Reclamation, Mining & Safety Source of estimated wolume: Division of Reclamation, Mining & MVERAGE Kated Capacity: 1.10 LCY Basic Job Condition Description: AVERAGE Cavator Cycle Time (load bucket, swing loaded, dump bucket, swing empty): Basic Job Condition Description: Rated Capacity: 1.10 LCY (heaped)	<u>PROJECT IDENTI</u>	FICATION					
HOURLY EQUIPMENT COST Basic Machine: Cat 319D L 8'-10" Stick Horsepower: 125 Attachment 1: ROPS Cab Weight (MT): 19.55 Shift Basis: 1 per day Data Source: (CRG) Cost Breakdown: Utilization % Ownership Cost/Hour: \$22.27 NA Operating Cost/Hour: \$38.67 NA Total Unit Cost/Hour: \$101.51 Total Unit Cost/Hour: \$101.51 Total Fleet Cost/Hour: \$101.51 Total View CCY Swell factor: 1.000 Source of estimated volume: Division of Reclamation, Mining & Safety Source of estimated swell factor: CCY Source of estimated swell factor: Cat Handbook AVERAGE AVERAGE HOURLY PRODUCTION Basic Job Condition Description: AVERAGE AVERAGE Secondary Job Condition within Basic Description: AVERAGE AVERAGE AUENAGE Load Bucket Capacity: 1.10 LCY Bucket Size Class: Medium Basic Job Condition Correction Factors Site Altitude: 7950 feet Source Altitude Capacity: 1.10 LCY <t< td=""><td>Date: 9/13/2012</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Date: 9/13/2012						
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Attachment 1: ROPS Cab Weight (MT): 19.55 Shift Basis: 1 per day Data Source: (CRG) Cost Breakdown; Utilization % Ownership Cost/Hour: \$22.27 Weight (MT): 19.55 Operating Cost/Hour: \$22.27 Willization % Operator Cost/Hour: Operator Cost/Hour: \$38.67 Na NA Total Unit Cost/Hour: \$101.51 MATERIAL OUANTITIES Initial volume: 2,493 Initial volume: 2,493 LCY Source of estimated wolume: Division of Reclamation, Mining & Safety Source of estimated wolume: Cat Handbook HOURLY PRODUCTION Basic Job Condition Description: AVERAGE Excavator Cycle Time (load bucket, swing loaded, dump bucket, swing empty): Basic Job Condition Description: AVERAGE Cycle Time Value: 0.282 minutes Medium Bucket Fill Factor: 1.00 LCY (heaped) Bucket Size Class: Medium Bucket Fill Factor: 1.00 LCY (heaped) Bucket Size Class: Medium Job Efficiency: <td>HOURLY EQUIPM</td> <td>IENT COST</td> <td></td> <td></td> <td></td> <td></td> <td></td>	HOURLY EQUIPM	IENT COST					
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MATERIAL QUANTITIES Initial volume: 2,493 Loose volume: 2,493 Source of estimated volume: Division of Reclamation, Mining & Safety Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Excavator Cycle Time (load bucket, swing loaded, dump bucket, swing empty): Excavator Cycle Time (load bucket, swing loaded, dump bucket, swing empty): Excavator Cycle Time (load bucket, swing loaded, dump bucket, swing empty): Excavator Cycle Time (load bucket, swing loaded, dump bucket, swing empty): Excavator Cycle Time (load bucket, swing loaded, dump bucket, swing empty): Excavator Cycle Time (load bucket, swing loaded, dump bucket, swing empty): Basic Job Condition Description: AVERAGE Secondary Job Condition within Basic Description: AVERAGE Cycle Time Value: 0.282 minutes Load Bucket Capacity: 1.10 LCY (heaped) Bucket Fill Factor: 1.000 Rock - Well Blasted (95%-105%) 1.000 Adjusted Capacity: 0.83 (CAT HB) Job Efficiency: 0.83 (I shift/day) Net Correction: 0.69 multiplier Unadjusted Hourly Unit Production: 234.04 LCY/Hour	Total Unit Cos	t/Hour: \$1	01.51				
Initial volume: 2,493 CCY Swell factor: 1.000 Loose volume: 2,493 LCY Division of Reclamation, Mining & Safety Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Excavator Cycle Time (load bucket, swing loaded, dump bucket, swing empty): Excavator Cycle Time (load bucket, swing loaded, dump bucket, swing empty): Basic Job Condition Description: AVERAGE Secondary Job Condition within Basic Description: AVERAGE 0.282 minutes Load Bucket Capacity 1.10 LCY (heaped) Bucket Size Class: Medium Bucket Fill Factor: 1.000 Rock - Well Blasted (95%-105%) 1.000 Adjusted Capacity: 1.10 LCY Job Condition Correction Factors Site Altitude: 7950 feet Source Altitude Adj: 0.83 (1 shift/day) Net Correction: 0.69 multiplier Unadjusted Hourly Unit Production: 161.23 LCY/Hour LCY/Hour Adjusted Hourly Fleet Production: 161.23 LCY/Hour JOB TIME AND COST 1 Excavator Total job time: 15.46 Hours	Total Fleet Co	st/Hour: \$	101.51				
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Fleet size: 1 Excavator Total job time: 15.46 Hours	Job Efficiency: Net Correction: U	0.83 0.69 Inadjusted Hourly U Adjusted Hourly U Adjusted Hourly F	(CAT H (1 shift/d multiplier Jnit Production: Jnit Production:	B) ay) r 234.04 161.23	LCY/H	Hour	
			ivator T	otal job time:		15.46	Hours
Unit cost: \$0.630 /LCY Total job cost: \$1,570.00				-			~~

REVEGETATION WORK

Conger Harvesting Area	Perm	it Action: AR-	2		Permit/Job#	M1998022
ROJECT IDENTIFICAT	ION					
Task #: 02A	State:	Colorado			Abbreviation:	None
Date: 9/13/2012	County:	Gunnison			Filename:	M022-03a
User: THM						
Agency or organization	n name: DRI	MS				
ERTILIZING						
laterials		Π.Τ °.4 /	1			
Description		Units / Acre	Unit	Cos	t / Unit	Cost /Acre
10-34-0, 18-46-0, 5-10-5		200.00	pound	\$0.3	32	\$64.00
				Tot	al Fertilizer Materials Cost/Acre	\$64.00
pplication						
Description						Cost /Acre
Hand spread (MEANS 32 01 9	90.13 0100)					\$498.76
		Tota	l Fertilizer /	Applicatio	on Cost/Acre	\$498.76
TILLING						
Description	2					Cost /Acre
						\$
			т	otal Tillin	ig Cost/Acre	60.00
SEEDING	1.611.311		1		ig Cost/Acre	\$0.00
				Rate –	01	Cont 14 and
Seed Mix				PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Seed Mix Alfalfa - Common					per SQ.	\$3.33

Totals Seed Mix	14.33	69.44	\$41.83
Sainfoin - Eski	3.33	1.45	\$8.19
Milk Vetch, Cicer - Monarch	1.67	5.56	\$8.35
Mountain Brome - Bromar	4.00	6.43	\$13.32
Orchardgrass - Latar	4.00	47.37	\$0.04

Application

Description	Cost /Acre
Broadcast seeding [DMG]	\$255.76

Total Seed Application Cost/Acre \$255.76

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	1.00	TON	\$164.00	\$164.00
Total Mulch Materials Cost/Acre				\$164.00

Application

Description		Cost /Acre
Hand spread, 1" deep (MEANS 32 91 13.16 0200)		\$2,807.20
	Total Mulch Application Cost/Acre	\$2,807.20

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
Fir, Douglas	5	Container, 1 gallon (MEANS)	\$13.50	\$0.00	\$67.50
		Total	s Nurserv Sto	ck Cost / Acre	\$67.50

JOB TIME AND COST

	No. of Acres:	0.25	Cost /Acre:	\$3,899.05	
Estimate	d Failure Rate:	30%	Cost /Acre*:	\$3,899.05	
*Selected Replantir	ng Work Items:	FERTILIZING,TIL	LING,SEEDING,NU		
	-	RSERY,MULCHI	NG		
Initial Job Cost:	\$974.76				
Reseeding Job Cost:	\$292.43				
Total Job Cost:	\$1,267.19				

Job Hours: 8.00

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	Mo	bilization						
Conger Harvest	ing Area	Permit A	Action: AR-2		Pe	rmit/Job#:	M1998	022
PROJECT IDEN	NTIFICAT	ION						
Task #: 03A		State: Co	olorado		Abbr	eviation:	None	
Date: 9/13/2	2012		innison			ilename:	M022-0	4a
User: THM	[
Agency or	r organizatio	n name: DRMS						
EQUIPMENT T	RANSPOR	RT RIG COST						
					Shift ba	asis: 1	per day	
				I	Cost Data Sou		RG Data	
Truck	Tractor Desc	ription: GENI	ERIC ON-HIGH	WAY TRU	JCK TRACTO	DR, 6X4. D	IESEL P	OWERED
		•		400 HP	(2ND HALF,	2006)		
Truck	Trailer Desc	ription: GENE	RIC FOLDING				IPMEN	Γ TRAILER
				(25T,	50T, AND 10)0T)		
Cost Breakdown:								
Available Rig Cap	acities	0-25 Tons	26-50 Tons	51-	Tons			
Ownership (\$16.63	\$18.37		22.33			
Operating (Cost/Hour:	\$44.38	\$46.13	\$:	50.07			
	Cost/Hour:	\$27.66	\$27.66	\$2	27.66			
Helper	Cost/Hour:	\$0.00	\$25.39	\$2	25.39			
Total Unit	Cost/Hour:	\$88.67	\$117.55	\$1	25.45			
NON ROADAB	LE EQUIP	MENT:						
Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return T		DOT Permi
Description	Unit	Cost/hr/ unit	Cost/hr/unit	Size	Cost/hr/	Cost/hr/		Cost/ fleet
A .	(TONS)				fleet			
Cat 319D L 8'-10"	21.50	\$22.27	\$88.67	1	\$110.94	\$88.67		\$250.00
Stick		,,		<u> </u>	<i>Q110171</i>			
<u></u>			5	Subtotals:	\$110.94	\$88.6	57	\$250.00

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.	\$14.59	1	\$14.59	\$14.59
		Subtotals:	\$14.59	\$14.59

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	CARBONDALE	
Total one-way travel distance:	25.00	miles
Average Travel Speed:	25.00	mph
Total Non-Roadable Mob/Demob Cost *	\$1,121.10	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$29.18	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	1.00	1.00
Return Time (Hours):	1.00	1.00
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	3.00	2.00

JOB TIME AND COST

Total job time: 6.00 Hours

Total job cost: \$1,150.28