COLORADO DIVISION OF RECLAMATION, N 1313 Sherman Street, Room 215, Denver, Colorado 80203 ph(
REQUEST FOR TECHNICAL REVISION (TR) COV	VER SHEET
File No.: M- 2008-078 Site Name: West Farm Pit	
County Prowers TR#	(DRMS Use only)
Permittee: GP Aggregates, LLC	
Operator (If Other than Permittee):	
Permittee Representative: Todd Yee - J&T Consulting, Inc.	
Permittee Representative:	RECEIVED
Please provide a brief description of the proposed revision:	
Revision of mine phasing and revision of financial warranty.	JAN 23 2015
	DIVISION OF RECLAMATION MINING AND SAFETY

As defined by the Minerals Rules, a Technical Revision (TR) is: "a change in the permit or application which does not have more than a minor effect upon the approved or proposed Reclamation or Environmental Protection Plan." The Division is charged with determining if the revision as submitted meets this definition. If the Division determines that the proposed revision is beyond the scope of a TR, the Division may require the submittal of a permit amendment to make the required or desired changes to the permit.

The request for a TR is not considered "filed for review" until the appropriate fee is received by the Division (as listed below by permit type). Please submit the appropriate fee with your request to expedite the review process. After the TR is submitted with the appropriate fee, the Division will determine if it is approvable within 30 days. If the Division requires additional information to approve a TR, you will be notified of specific deficiencies that will need to be addressed. If at the end of the 30 day review period there are still outstanding deficiencies, the Division must deny the TR unless the permittee requests additional time, in writing, to provide the required information.

There is no pre-defined format for the submittal of a TR; however, it is up to the permittee to provide sufficient information to the Division to approve the TR request, including updated mining and reclamation plan maps that accurately depict the changes proposed in the requested TR.

Required Fees for Technical Revision by Permit Type - Please mark the correct fee and submit it with your request for a Technical Revision.

Permit Type	Required TR Fee	Submitted (mark only one)
110c, 111, 112 construction materials, and 112 quarries	\$216	\checkmark
112 hard rock (not DMO)	\$175	
110d, 112d(1, 2 or 3)	\$1006	
LAF O Depart		





January 20, 2015

Ms. Amy Eschberger Environmental Protection Specialist State of Colorado Division of Reclamation, Mining, & Safety 1313 Sherman Street – Room 215 Denver, CO 80203

RE: GP Aggregates, LLC. – West Farm Pit – Technical Revision No. 4 Request File No. M-2008-078

Dear Ms. Eschberger,

GP Aggregates, LLC. (GP) requests a revision to their existing permit to address the following 2 items:

- 1. Exhibit C Pre-Mining/Mining Plan
 - a. Revision of the mine phasing.
- 2. Exhibit L Reclamation Costs
 - a. Revision of the financial warranty required for the reclamation of each phase of mining.

Detailed descriptions of these revisions are in the following sections.

Exhibit C – Pre-Mining/Mining Plan

Revision of mine phasing

Phase 1A is being revised to include all of the following:

- 1. Surface mining of the top 10 to 12 feet of material above the groundwater table of the Phase 1 area.
- 2. The disturbance and stockpiling of materials in the Phases 2 through 4 areas.
- 3. The disturbance and stockpiling of materials in the Phase 13 area.
- 4. The disturbance and stockpiling of materials in the temporary topsoil/overburden stockpile area in the southeast corner of the mine
- 5. <u>The disturbance and stockpiling of materials in the Phases 14 through 18 areas.</u>

Exhibit L - Reclamation Costs

GP requests a revision to the financial warranty required for the reclamation of each phase of mining to reflect the revised mine phasing.

1. A revised Exhibit L – Reclamation Costs and supporting calculations are attached which summarize the revision to the financial warranty requirements, including a revision to the financial warranty required for Phase 1A to include additional disturbance and stockpiling in the Phases 14 through 18 areas.



M-2008-078 – GP Aggregates, LLC – West Farm Pit – Technical Revision Request No. 4 January 20, 2015

- 2 -

GP appreciates your consideration of this revision request and looks forward to your response.

Please feel free to contact me with any questions or comments.

Sincerely,

10th

Todd Yee / J&T Consulting, Inc.

Attachments:

JT

Revised Exhibit C – Pre-Mining/Mining Plan Map Revised Exhibit L – Reclamation Costs and Reclamation Costs Summary Table Revised Financial Warranty Requirement Calculations \$216 Check for Technical Revision review fee

Cc: GP Aggregates, LLC. File



LETTER OF TRANSMITTAL

Date:		1/20/15	File No:	07115			
Job Nar	ne:	GP Aggrega	ates, LLC - We	est Farm Pit			
To:	Divisi 1313 S		ation, Mining et – Room 215		Phone: Fax:	(303) 866-3567 x81 (303) 832-8106	29
Attentio	on: N	ls. Amy Esc	chberger – E	nvironment	al Protection Spe	ecialist	
WE AR	E SENI	DING YOU:					
Copies 1 1	s GP	Aggregates,		arm Pit, DRM Revision Revi		– Technical Revision	n Request No. 4
THESE	ARE T	RANSMITT	ED as checked	l below:			
F A F	For App For your As reque For revie For Bids	use ested ew and comm	ent	Appro	ved as submitted ved as noted ned for corrections	Resubmit Submit Return	<pre>copies for approval copies for distribution corrected prints</pre>
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Regards Todd Ye							
Сору То	o: GP	Aggregates,	File		Signed:	Todt P. I.	
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EXHIBIT L

Reclamation Cost

The slurry wall construction costs have been shown to be required at the start of Phase 1A and at the start of Phase 5 per the Division's Technical Revision No. 3 approval letter. A slurry wall has currently been constructed around Phases 1 through 4 and is being tested to ensure it meets the design standard in the "State Engineer Guidelines for Lining Criteria for Gravel Pits". Prior to mining outside of Phases 1 through 4, GP will provide the financial warranty for the remainder of the slurry wall construction required to close Phases 5 through 18.

A phased and cumulative bonding approach is proposed for the remainder of the West Farm Pit operation reclamation items. The financial warranty required for each phase is the warranty required to completely reclaim that phase.

The financial warranty required for each phase of mining includes cost components for the cumulative areas of scarification of ground, topsoil placement, and revegetation required to close the current mined area should the project be stopped. Because these cumulative areas change for each phase of mining, new areas required to close the mined area as the next phase of mining occurs were calculated, and the financial warranty required for these areas for the previous phase is credited back in each phase's required financial warranty calculation. This accurately calculates the additional financial warranty required for any given phase of mining and for the current limit of disturbance, as well as accounts for the financial warranty that has already been posted to ensure that the Division has sufficient cumulative financial warranty to complete the reclamation.

Direct costs related to the construction of the reclamation components that have been included in the financial warranty calculations include: Scarifying disturbed ground surfaces, re-applying topsoil over disturbed areas, revegetating disturbed areas, slurry wall construction, and contractor mobilization. The slurry wall costs are based on the average depth of the wall to calculate the per lineal foot cost. The slurry wall costs were reduced to 20% of the cost to construct the slurry wall under the regulated construction option detailed in the "Guide to Specification preparation for Slurry Walls and Clay Liners as a Component of a Colorado Mined Land Reclamation Permit". GP is eligible for this option because of the inclusion of design documents, plans and specifications, and a quality assurance program for the construction of the slurry wall in Technical Revision No. 3.

Overhead, profit, and project management costs were then calculated and added to the direct construction costs to arrive at the required financial warranty for each phase.

As each new phase is started, the financial warranty for that phase will be posted with the Division. When a phase has been reclaimed, inspected, and accepted by the Division, the associated financial warranty for that phase can then be released.

Please see the attached calculations for details of the costs and quantities used to determine the financial warranty required for each phase of mining.

The following table summarizes the financial warranty required for each phase, and the cumulative financial warranty that will be provided during any given phase.



Recla	Reclamation Cost Summary						
Phase	Additional Financial Warranty Required	Cumulative Financial Warranty					
1A	\$924,630	\$924,630					
1	(\$13,455)	\$911,174					
2	(\$33,033)	\$878,141					
3	(\$38,900)	\$839,241					
4	(\$41,531)	\$797,710					
5	\$369,626	\$1,167,335					
6	(\$32)	\$1,167,303					
7	\$3,914	\$1,171,218					
8	\$0	\$1,171,218					
9	(\$361)	\$1,170,856					
10	\$3,931	\$1,174,787					
11	\$44	\$1,174,831					
12	\$1,542	\$1,176,373					
13	(\$48,245)	\$1,128,127					
14	(\$43,382)	\$1,084,745					
15	(\$47,898)	\$1,036,847					
16	(\$49,762)	\$987,086					
17	(\$53,293)	\$933,793					
18	(\$48,263)	\$885,530					

GP Aggregates LLC

West Farm Pit 1/20/2015

Reclamation Bond Quantities and Costs © 2015 J&T Consulting, Inc.

Summary of Unit Costs (Taken from TR 3 Bond Calculation by DRMS)

<u>Direct costs</u> Scarifying Ground Re-applying topsoil 12" thick Revegetating disturbed area Mobilization	Full Cost \$321.55 / acre \$2,541.03 / acre \$1,100.32 / acre \$13,592.00 lump sum
<u>Slurry Wall Cost Breakdown (0-50 ft @ \$3/ft - 51-70 ft @ \$4/ft)</u> Slurry Wall Cost (45 foot average depth) Slurry Wall Cost (70 foot average depth)	\$135 / linear foot20% Cost\$135 / linear foot27 / linear foot\$280 / linear foot56 / linear foot
Overhead and Profit Costs Liability insurance Performance bond Profit Total Overhead Co	2.02%of direct cost1.05%of direct cost10.00%of direct cost13.07%of direct cost
Project Management Engineering and bidding Management and administration Total Additional Co	2.00% of direct cost 5.00% of direct cost ost 7.00% of direct cost

Jar Consulting, Inc.

GP Aggregates LLC

Reclamation Bond Quantities and Costs © 2015 J&T Consulting, Inc. West Farm Pit 1/20/2015

20% Cost of Slurry Wall Required to Close Phases 1-4 (70° avg Depth) 5,448 If \$56 \$305,0 Active Mining Area (Surface only in PH 1 Area) 9,25 ac \$1,100 \$10,17 Active Mining Area (Surface only in PH 2 Area) 9,25 ac \$1,100 \$10,17 Active Mining Area (Surface only in PH 2 Area) ac \$1,100 \$10,17 Revegetate Disturbed Area 9,11 ac \$2,541 \$23,17 Revegetate Disturbed Area 9,81 ac \$2,541 \$24,93 Revegetate Disturbed Area 9,81 ac \$2,541 \$24,93 Revegetate Disturbed Area 9,81 ac \$2,541 \$24,93 Revegetate Disturbed Area 9,60 ac \$1,100 \$10,51 Topsoil Placement in Disturbed Area 11,61 ac \$3,22 \$3,37 Topsoil Placement in Disturbed Area 10,43 ac \$1,100 \$11,27 Temporary Stockpile Areas (Surface only in Stockpile Area, and Access Road) \$2,541 \$22,541 \$22,53,73 Topsoil Placement in Disturbed Area 10,43 <th>Reclamation Operation</th> <th>Quantity</th> <th>Unit</th> <th>Unit Cost</th> <th>Cost</th>	Reclamation Operation	Quantity	Unit	Unit Cost	Cost
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Overhead and Profit Cost (13.07%)\$100,64Contract Cost\$870,72	Mobilization	1.00	ls	\$13,592	\$13,59
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Contract Cost \$870,72		Overhead a	and Profit	Cost (13.07%)	\$100.64
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		Proje	ci Manage	ment (7.00%)	\$53,90

GP Aggregates LLC

West Farm Pit 1/20/2015

Reclamation Bond Quantities and Costs © 2015 J&T Consulting, Inc.

Phase 1 (9.25 acres)				
Reclamation Operation	Quantity	Unit	Unit Cost	Cost
Active Mining Area				
Credit for Topsoil Placement in Disturbed Area Phase 1 (from PH 1A)	(9.25)	ac	\$2,541	-\$23,505
Credit for Revegetate Disturbed Area Phase 1 (from PH 1A)	(9.25)	ac	\$1,100	-\$10,178
Topsoil Area Above Water Required for Phase 1	2.44	ac	\$2,541	\$6,200
Revegetate Area Above Water Required for Phase 1	2.44	ac	\$1,100	\$2,685
Mobilization	1.00	ls	\$13,592	\$13,592
		Tot	al Direct Cost	-\$11,206
	Overhead a	nd Profit C	Cost (13.07%)	-\$1,465
			Contract Cost	-\$12,671
	Projec	ct Manage	ment (7.00%)	-\$784
Additional Financial Warranty Required For Phase 1				-\$13,455

Phase 2 (9.11 acres)

Reclamation Operation	Quantity	Unit	Unit Cost	Cost
Active Mining Area				
Credit for Topsoil Area Above Water Required for Phase 1	(2.44)	ac	\$2,541	-\$6,200
Credit for Revegetated Area Above Water Required for Phase 1	(2.44)	ac	\$1,100	-\$2,685
Credit for Topsoil Placement in Disturbed Area Phase 2 (from PH 1A)	(9.11)	ac	\$2,541	-\$23,149
Credit for Revegetate Disturbed Area Phase 2 (from PH 1A)	(9.11)	ac	\$1,100	-\$10,024
Topsoil Area Above Water Required for Phases 1-2	3.99	ac	\$2,541	\$10,150
Revegetate Area Above Water Required for Phases 1-2	3.99	ac	\$1,100	\$4,395
		Tot	al Direct Cost	-\$27,512
	Overhead a	nd Profit C	Cost (13.07%)	-\$3,596
			Contract Cost	-\$31,108
	Projec	ct Manage	ment (7.00%)	-\$1,926
Additional Financial Warranty Required For Phase 2				-\$33,033

Reclamation Operation	Quantity	Unit	Unit Cost	Cost
Active Mining Area				
Credit for Topsoil Area Above Water Required for Phases 1-2	(3.99)	ac	\$2,541	-\$10,150
Credit for Revegetated Area Above Water Required for Phases 1-2	(3.99)	ac	\$1,100	-\$4,395
Credit for Topsoil Placement in Disturbed Area Phase 3 (from PH 1A)	(9.81)	ac	\$2,541	-\$24,928
Credit for Revegetate Disturbed Area Phase 3 (from PH 1A)	(9.81)	ac	\$1,100	-\$10,794
Topsoil Area Above Water Required for Phases 1-3	4.91	ac	\$2,541	\$12,469
Revegetate Area Above Water Required for Phases 1-3	4.91	ac	\$1,100	\$5,400
		Tot	al Direct Cost	-\$32,398
	Overhead a	nd Profit C	Cost (13.07%)	-\$4,234
			Contract Cost	-\$36,632
	Projec	ct Manage	ment (7.00%)	-\$2,268
Additional Financial Warranty Required For Phase 3				-\$38,900

GP Aggregates LLC

Reclamation Bond Quantities and Costs © 2015 J&T Consulting, Inc. West Farm Pit 1/20/2015

Reclamation Operation	Quantity	Unit	Unit Cost	Cost
Active Mining Area				
Credit for Topsoil Area Above Water Required for Phases 1-3	(4.91)	ac	\$2,541	-\$12,469
Credit for Revegetated Area Above Water Required for Phases 1-3	(4.91)	ac	\$1,100	-\$5,400
Credit for Topsoil Placement in Disturbed Area Phase 4 (from PH 1A)	(9.60)	ac	\$2,541	-\$24,394
Credit for Revegetate Disturbed Area Phase 4 (from PH 1A)	(9.60)	ac	\$1,100	-\$10,563
Topsoil Area Above Water Required for Phases 1-4	5.01	ac	\$2,541	\$12,726
Revegetate Area Above Water Required for Phases 1-4	5.01	ac	\$1,100	\$5,511
		Total Direct Cost	-\$34,589	
	Overhead a	nd Profit C	Cost (13.07%)	-\$4,521
		(Contract Cost	-\$39,110
	Projec	ct Manage	ment (7.00%)	-\$2,421
Additional Financial Warranty Required For Phase 4				-\$41,531

Reclamation Operation	Quantity	Unit	Unit Cost	Cost
Active Mining Area				
Credit for Topsoil Area Above Water Required for Phases 1-4	(5.01)	ac	\$2,541	-\$12,726
Credit for Revegetated Area Above Water Required for Phases 1-4	(5.01)	ac	\$1,100	-\$5,511
20% Cost of Slurry Wall Required to Close Phases 5-18 (45' avg Depth)	11,206	lf	\$27	\$302,562
Topsoil Area Above Water Required for Phases 1-5	6.46	ac	\$2,541	\$16,411
Revegetate Area Above Water Required for Phases 1-5	6.46	ac	\$1,100	\$7,106
		Tot	al Direct Cost	\$307,842
	Overhead a	nd Profit C	Cost (13.07%)	\$40,235
		(Contract Cost	\$348,077
	Projec	t Manage	ment (7.00%)	\$21,549
Additional Financial Warranty Required For Phase 5				\$369,626

Phase 6 (9.51 acres)

Reclamation Operation	Quantity	Unit	Unit Cost	Cost
Active Mining Area				
Credit for Topsoil Area Above Water Required for Phases 1-5	(6.46)	ac	\$2,541	-\$16,411
Credit for Revegetated Area Above Water Required for Phases 1-5	(6.46)	ac	\$1,100	-\$7,106
Topsoil Area Above Water Required for Phases 1-6	6.45	ac	\$2,541	\$16,392
Revegetate Area Above Water Required for Phases 1-6	6.45	ac	\$1,100	\$7,098
		Tot	al Direct Cost	-\$27
	Overhead a	nd Profit C	Cost (13.07%)	-\$3
		(Contract Cost	-\$30
	Projec	t Manage	ment (7.00%)	-\$2
Additional Financial Warranty Required For Phase 6				-\$32

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Reclamation Operation	Quantity	Unit	Unit Cost	Cost
Active Mining Area				
Credit for Topsoil Area Above Water Required for Phases 1-6	(6.45)	ac	\$2,541	-\$16,392
Credit for Revegetated Area Above Water Required for Phases 1-6	(6.45)	ac	\$1,100	-\$7,098
Topsoil Area Above Water Required for Phases 1-7	7.35	ac	\$2,541	\$18,667
Revegetate Area Above Water Required for Phases 1-7	7.35	ac	\$1,100	\$8,083
		Tot	al Direct Cost	\$3,260
	Overhead a	nd Profit C	Cost (13.07%)	\$426
		(Contract Cost	\$3,686
	Projec	ct Manage	ment (7.00%)	\$228
Additional Financial Warranty Required For Phase 7				\$3,914

Reclamation Operation	Quantity	Unit	Unit Cost	Cost
ctive Mining Area				
Credit for Topsoil Area Above Water Required for Phases 1-7	(7.35)	ac	\$2,541	-\$18,667
Credit for Revegetated Area Above Water Required for Phases 1-7	(7.35)	ac	\$1,100	-\$8,083
Topsoil Area Above Water Required for Phases 1-8	7.35	ac	\$2,541	\$18,667
Revegetate Area Above Water Required for Phases 1-8	7.35	ac	\$1,100	\$8,083
		Tot	al Direct Cost	\$0
	Overhead a	nd Profit C	Cost (13.07%)	\$0
		(Contract Cost	\$(
	Projec	ct Manage	ment (7.00%)	\$0
dditional Financial Warranty Required For Phase 8				\$0

Reclamation Operation	Quantity	Unit	Unit Cost	Cost
Active Mining Area				
Credit for Topsoil Area Above Water Required for Phases 1-8	(7.35)	ac	\$2,541	-\$18,667
Credit for Revegetated Area Above Water Required for Phases 1-8	(7.35)	ac	\$1,100	-\$8,083
Topsoil Area Above Water Required for Phases 1-9	7.26	ac	\$2,541	\$18,457
Revegetate Area Above Water Required for Phases 1-9	7.26	ac	\$1,100	\$7,992
<u>.</u>		-\$301		
	Overhead a	nd Profit (Cost (13.07%)	-\$39
			Contract Cost	-\$340
	Projec	ct Manage	ment (7.00%)	-\$21
Additional Financial Warranty Required For Phase 9				-\$361

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Reclamation Operation	Quantity	Unit	Unit Cost	Cost
Active Mining Area				
Credit for Topsoil Area Above Water Required for Phases 1-9	(7.26)	ac	\$2,541	-\$18,457
Credit for Revegetated Area Above Water Required for Phases 1-9	(7.26)	ac	\$1,100	-\$7,992
Topsoil Area Above Water Required for Phases 1-10	8.16	ac	\$2,541	\$20,741
Revegetate Area Above Water Required for Phases 1-10	8.16	ac	\$1,100	\$8,981
		Tot	al Direct Cost	\$3,274
	Overhead a	nd Profit C	Cost (13.07%)	\$428
			Contract Cost	\$3,701
	Projec	ct Manage	ment (7.00%)	\$229
Additional Financial Warranty Required For Phase 10				\$3,931

Reclamation Operation	Quantity	Unit	Unit Cost	Cost
Active Mining Area				
Credit for Topsoil Area Above Water Required for Phases 1-10	(8.16)	ac	\$2,541	-\$20,741
Credit for Revegetated Area Above Water Required for Phases 1-10	(8.16)	ac	\$1,100	-\$8,981
Topsoil Area Above Water Required for Phases 1-11	8.17	ac	\$2,541	\$20,767
Revegetate Area Above Water Required for Phases 1-11	8.17	ac	\$1,100	\$8,993
		Tot	al Direct Cost	\$37
	Overhead and Profit Cost (13.07%)	\$5		
		Contract Cost	\$42	
	Projec	ct Manage	ment (7.00%)	\$3
dditional Financial Warranty Required For Phase 11				\$44

Reclamation Operation	Quantity	Unit	Unit Cost	Cost
Active Mining Area				
Credit for Topsoil Area Above Water Required for Phases 1-11	(8.17)	ac	\$2,541	-\$20,767
Credit for Revegetated Area Above Water Required for Phases 1-11	(8.17)	ac	\$1,100	-\$8,993
Topsoil Area Above Water Required for Phases 1-12	8.53	ac	\$2,541	\$21,663
Revegetate Area Above Water Required for Phases 1-12	8.53	ac	\$1,100	\$9,381
	Total Direct Cost	\$1,284		
	Overhead a	nd Profit C	Cost (13.07%)	\$168
			Contract Cost	\$1,452
	Projec	ct Manage	ment (7.00%)	\$90
Additional Financial Warranty Required For Phase 12				\$1,542

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Reclamation Operation	Quantity	Unit	Unit Cost	Cost
Active Mining Area				
Credit for Topsoil Area Above Water Required for Phases 1-12	(8.53)	ac	\$2,541	-\$21,663
Credit for Revegetated Area Above Water Required for Phases 1-12	(8.53)	ac	\$1,100	-\$9,381
Credit for Scarifying Ground in Disturbed Area Phase 13 (from PH 1A)	(11.61)	ac	\$322	-\$3,733
Credit for Topsoil Placement in Disturbed Area Phase 13 (from PH 1A)	(11.61)	ac	\$2,541	-\$29,501
Credit for Revegetate Disturbed Area Phase 13 (from PH 1A)	(11.61)	ac	\$1,100	-\$12,775
Topsoil Area Above Water Required for Phases 1-13	10.13	ac	\$2,541	\$25,730
Revegetate Area Above Water Required for Phases 1-13	10.13	ac	\$1,100	\$11,142
		Tot	al Direct Cost	-\$40,181
	Overhead a	nd Profit (Cost (13.07%)	-\$5,252
			Contract Cost	-\$45,433
	Projec	ct Manage	ment (7.00%)	-\$2,813
Additional Financial Warranty Required For Phase 13				-\$48,245

Reclamation Operation	Quantity	Unit	Unit Cost	Cost
Active Mining Area				
Credit for Scarifying Ground in Disturbed Area Phase 14 (from PH 1A)	(11.56)	ac	\$322	-\$3,717
Credit for Topsoil Placement in Disturbed Area Phase 14 (from PH 1A)	(11.56)	ac	\$2,541	-\$29,374
Credit for Revegetate Disturbed Area Phase 14 (from PH 1A)	(11.56)	ac	\$1,100	-\$12,720
Topsoil Area Above Water Required for Phase 14	2.66	ac	\$2,541	\$6,755
Revegetate Area Above Water Required for Phase 14	2.66	ac	\$1,100	\$2,925
		Tot	al Direct Cost	-\$36,131
	Overhead a	nd Profit C	cost (13.07%)	-\$4,722
		(Contract Cost	-\$40,853
	Projec	ct Manage	ment (7.00%)	-\$2,529
Additional Financial Warranty Required For Phase 14				-\$43,382

Phase 15 (11.52 acres)

Reclamation Operation	Quantity	Unit	Unit Cost	Cost
Active Mining Area				
Credit for Topsoil Area Above Water Required for Phase 14	(2.66)	ac	\$2,541	-\$6,755
Credit for Revegetated Area Above Water Required for Phase 14	(2.66)	ac	\$1,100	-\$2,925
Credit for Scarifying Ground in Disturbed Area Phase 15 (from PH 1A)	(11.52)	ac	\$322	-\$3,704
Credit for Topsoil Placement in Disturbed Area Phase 15 (from PH 1A)	(11.52)	ac	\$2,541	-\$29,273
Credit for Revegetate Disturbed Area Phase 15 (from PH 1A)	(11.52)	ac	\$1,100	-\$12,676
Topsoil Area Above Water Required for Phases 14-15	4.24	ac	\$2,541	\$10,775
Revegetate Area Above Water Required for Phases 14-15	4.24	ac	\$1,100	\$4,666
	Total Direct Cost	-\$39,891		
	Overhead a	nd Profit C	Cost (13.07%)	-\$5,214
			Contract Cost	-\$45,105
	Projec	ct Manage	ment (7.00%)	-\$2,792
Additional Financial Warranty Required For Phase 15				-\$47,898

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Phase 16 (11.43 acres)

Reclamation Operation	Quantity	Unit	Unit Cost	Cost
Active Mining Area				
Credit for Topsoil Area Above Water Required for Phases 14-15	(4.24)	ac	\$2,541	-\$10,775
Credit for Revegetated Area Above Water Required for Phases 14-15	(4.24)	ac	\$1,100	-\$4,666
Credit for Scarifying Ground in Disturbed Area Phase 16 (from PH 1A)	(11.43)	ac	\$322	-\$3,675
Credit for Topsoil Placement in Disturbed Area Phase 16 (from PH 1A)	(11.43)	ac	\$2,541	-\$29,044
Credit for Revegetate Disturbed Area Phase 16 (from PH 1A)	(11.43)	ac	\$1,100	-\$12,577
Topsoil Area Above Water Required for Phases 14-16	5.30	ac	\$2,541	\$13,463
Revegetate Area Above Water Required for Phases 14-16	5.30	ac	\$1,100	\$5,830
		-\$41,444		
	Overhead a	nd Profit (Cost (13.07%)	-\$5,417
			Contract Cost	-\$46,861
	Projec	ct Manage	ment (7.00%)	-\$2,901
Additional Financial Warranty Required For Phase 16				-\$49,762

Reclamation Operation	Quantity	Unit	Unit Cost	Cost
Active Mining Area				
Credit for Topsoil Area Above Water Required for Phases 14-16	(5.30)	ac	\$2,541	-\$13,463
Credit for Revegetated Area Above Water Required for Phases 14-16	(5.30)	ac	\$1,100	-\$5,830
Credit for Scarifying Ground in Disturbed Area Phase 17 (from PH 1A)	(11.13)	ac	\$322	-\$3,579
Credit for Topsoil Placement in Disturbed Area Phase 17 (from PH 1A)	(11.13)	ac	\$2,541	-\$28,282
Credit for Revegetate Disturbed Area Phase 17 (from PH 1A)	(11.13)	ac	\$1,100	-\$12,247
Topsoil Area Above Water Required for Phases 14-17	5.22	ac	\$2,541	\$13,270
Revegetate Area Above Water Required for Phases 14-17	5.22	ac	\$1,100	\$5,746
		Tot	al Direct Cost	-\$44,38
	Overhead a	nd Profit C	Cost (13.07%)	-\$5,80
		(Contract Cost	-\$50,186
	Projec	ct Manage	ment (7.00%)	-\$3,107
Additional Financial Warranty Required For Phase 17				-\$53,293

Phase 18 (11.52 acres)

Reclamation Operation	Quantity	Unit	Unit Cost	Cost
Active Mining Area				
Credit for Topsoil Area Above Water Required for Phases 14-17	(5.22)	ac	\$2,541	-\$13,270
Credit for Revegetated Area Above Water Required for Phases 14-17	(5.22)	ac	\$1,100	-\$5,746
Credit for Scarifying Ground in Disturbed Area Phase 18 (from PH 1A)	(11.52)	ac	\$322	-\$3,704
Credit for Topsoil Placement in Disturbed Area Phase 17 (from PH 1A)	(11.52)	ac	\$2,541	-\$29,273
Credit for Revegetate Disturbed Area Phase 18 (from PH 1A)	(11.52)	ac	\$1,100	-\$12,676
Topsoil Area Above Water Required for Phase 14-18	6.72	ac	\$2,541	\$17,078
Revegetate Area Above Water Required for Phase 14-18	6.72	ac	\$1,100	\$7,395
	Total Direct Cost	-\$40,196		
	Overhead and Profit Cost (13.07%)		-\$5,254	
			Contract Cost	-\$45,449
	Projec	ct Manage	ment (7.00%)	-\$2,814
Additional Financial Warranty Required For Phase 18				-\$48,263

Total Financial Warranty Required For All Phases

\$885,530

Division of Reclamation, Mining, and Safety

Fee Receipt for M2008078

GP Aggregates, LLC		Receipt #:	18869
		Date:	01/23/2015
		Permit:	M2008078
	000000000		

Payment Method	Revenue Code	Fee Description/Notes	Amount
4511 msr	4300-MTR0	Minerals Technical Revision	\$216.00
		M2008-078 paid by J&T Consulting, Inc.	
		Receipt Total:	\$216.00

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