M0210008
cc: Lynn
Wayne
Task ID# 3472

IRON BULL
MINING & MILLING
PALLADON IRON CORPORATION

RECEIVED
MAR 31 2010
DIV. OF OIL, GAS & MINING

March 29, 2010

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
1594 West North Temple – Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

To Whom it May Concern:

Attached are the Surety Bond Recalculation worksheets for the 2010 year.
Please contact us should you have any questions regarding the bond recalculation.

Sincerely,

Alysen Pedersen
Mine Geologist

Palladon Iron Corporation
6249 West Gilbert Industrial Court
Hurricane, UT 84737
Phone: 435.627.1907
Fax: 435.627.2938

Bonding Calculations

Direct Costs		
Subtotal Demolition and Removal	$93,744.75	
Subtotal Backfilling and Grading	$69,561.83	
Subtotal Revegetation	$643,840.00	
Direct Costs	$807,146.58	
Indirect Costs		
Mob/Demob	$80,715.00	10.0%
Contingency	$40,357.00	5.0%
Engineering Redesign	$20,179.00	2.5%
Main Office Expense	$54,886.00	6.8%
Project Mainagement Fee	$20,179.00	2.5%
Subtotal Indirect Costs	$216,316.00	26.8%
Total Cost 2009	$1,023,462.58	
Number of years		5
Escalation factor		0.013
Escalation	$68,277.00	
Reclamation Cost Escalated	$1,091,739.58	
Bond Amount (rounded to nearest $1,000) 2013 Dollars	$1,092,000.00	
Posted Bond	$1,426,000.00	
Difference Between Cost Estimate and Bond	$334,000.00	
Percent Difference		

GSL Electric Inc. • Corporate Office - 8540 South Sandy Parkway, Sandy, UT 84070 • 801-565-0088 • 801-565-0099 (Fax)

GSL ELECTRIC

Vision
Commitment
Accountability

March 17, 2010

Keith Gilbert
Gilbert Development
2303 NORTH CORAL CANYON ROAD
WASHINGTON, UTAH 84780

Ref: 20MVA Transformer for Palladon Iron Dismantle and Relocate

Dear Keith:

GSL Electric is pleased to tender a lump sum proposal to disconnect, dismantle, crate for shipping, remove all oil and provide a nitrogen blanket, containerize the oil and ship it up to 1000 miles from the present location. The total cost to provide this service is $72,119.00.

Sincerely,

John Taft

John Taft
Sr. Project Manager

5100 Sobb Avenue, Las Vegas, NV 89118
702-364-5313 • 702-364-8348 (Fax)

509 South 48th Street, Suite 103, Tempe, AZ 85281
480-222-0638 • 480-222-0640 (Fax)

Project: Iron Mountain (M/21/008)
Date: 03/25/10
Prepared by: Palladon Iron Corp.

WORKSHEET 5
PRODUCTIVITY AND HOURS REQUIRED FOR DOZER USE

Earthmoving Activity:

Berm off areas designated in REVEG spreadsheet, tab 'Berm'.

Characterization of Dozer Used (type, size, etc.):

Caterpillar D10T with an 17'3" wide "Universal or U" -blade

Description of Dozer Use (origin, destination, grade, haul distance, material, etc.):

Dozer will be used to push upsurrounding rock and dirt to berm off the areas designeated in the REVEG spreadsheet, tab 'Berm'. Elevation will range from 6,000 to 7,000 feet depending on location.

Productivity Calculations:

Operator Adjustment Factor = 0.75 (operator factor) x 0.70 (material factor) x 0.83 (efficiency factor) x 1.25 (grade factor) x 0.90 (weight correction factor)

x 1.00 (production method/blade factor) x 1.00 (visibility factor) x 1.00 (elevation factor) = 0.49

Net Hourly Production = 950 (normal hourly production) LCY/hr x 0.49 (operating adjustment factor) = 466 LCY/hr

Hours Required = 2296 (volume to be) LCY | 468 (net hourly production) LCY/hr = 4.9 hr(s)

Data Source(s): **Caterpillar Performance Handbook, Edition 26**

Project: Iron Mountain (M/21/008)
Date: 03/25/10
Prepared by: Palladon Iron Corp.

WORKSHEET 6
PRODUCTIVITY AND HOURS REQUIRED FOR DOZER USE - GRADING

Earthmoving Activity:

Final spreading of the topsoil.

Characterization of Dozer Used (type, size, etc.):

Caterpillar D10T with an 17'3" wide "Universal or U" -blade

Description of Dozer Use (% grade, effective blade width, operating speed, etc.):

Operates along contour, varying between 6,000 and 7,000 foot elevation (see REVEG spreadsheet, tab 'Topsoil Spread').

Productivity Calculations:

Operator Adjustment Factor = 0.75 (operator factor) x 1.00 (material factor) x 0.83 (efficiency factor) x 1.00 (grade factor) x 1.00 (weight correction factor)

x 1.00 (production method/blade factor) x 1.00 (visibility factor) x 1.00 (elevation factor) = 0.62

Hourly Production = 3.0 (average speed) mi/hr x 10.0 (effective blade width) ft x 5280 ft/mi x 1 ac

) 43560 ft^2 = 3.6 ac/hr

Net Hourly Production = 3.6 (hourly production) ac/hr x 0.62 (operating adjustment factor) = 2.26 ac/hr

Hours Required = 28 (area to be graded) ac) 2.26 (net hourly production) ac/hr = 12.5 hr(s)

Data Source(s): **Caterpillar Performance Handbook, Edition 26**

Project: Iron Mountain (M/21/008)
Date: 03/25/10
Prepared by: Palladon Iron Corp.

WORKSHEET 7
PRODUCTIVITY AND HOURS REQUIRED FOR RIPPER-EQUIPPED DOZER USE

Ripping Activity:

This unit will be used for ripping the 64,567 cubic yards of disturbed area designated in the REVEG spreadsheet, tab 'Rip', prior to regrading and topsoil placement.

Characterization of Dozer and Ripper Use:

Caterpillar D10T with SU blade and 3-shank adjustable parallelogram ripper. The ripper has a 52 inch (4.3 feet) pocket spacing.

Description of Ripping (ripping depth, cut spacing, cut length, and material to be ripped):

Material to be ripped: compacted dirt/waste rock on dump tops and roads. Ripping depth = 3 feet
Ripping effective width = 4.3 feet X 3 = 13 feet

Productivity Calculations:

Cycle Time = 200 ft (cut length)) 88 ft/min (speed) + 0.3 min (fixed turn time*) = 2.6 min/pass

Passes/Hour = 60 min/hr) 2.6 min/pass (cycle time) x 0.83 (efficiency factor) = 19.4 passes/hr

Volume Cut/Pass (3.0 ft (tool penetration) x 9.75 ft (cut spacing) x 200 ft (cut length))) 27 ft^3/yd^3

= 216.67 BCY/pass

Hourly Production = 216.67 BCY/pass x 19.4 passes/hr = 4194.0 BCY/hr

Hours Required = 64565.6 BCY (bank volume to be ripped**)) 4194.0 BCY/hr (hourly production) = 15.4 hr

* Fixed turn time depends upon dozer used. 0.25 min/turn is normal.

** Remember to use the swell factor to convert from bank cubic yards to loose cubic yards when applying these data to Worksheet 5. Calculate separate dozer hauling of ripped material for each lift on that worksheet.

Data Source(s): **Caterpillar Performance Handbook, Edition 26**

Project: Iron Mountain (M/21/008)
Date: 03/25/10
Prepared by: Palladon Iron Corp.

WORKSHEET 12
PRODUCTIVITY AND HOURS REQUIRED FOR MOTORGRADER USE

Earthmoving Activity:

The motor grader will be used for maintaining haul roads during active mining, regrading and rounding out dump tops, spreading the topsoil prior to seeding, and various maintenance work around the site. The motor grader will be used for the life of the reclamation contract.

Characterization of Grader Used (type, size capacity, etc.):

Caterpillar 14H Motor Grader, 215 horsepower, equipped with EROPS and scarifier.

Description of Grader Route (push distance, grade, effective blade width, operating speed, etc.):

The grader will scarify approx. 241 acres of disturbed area as described in the REVEG spreadsheet, tab 'Scarify'. The grader will also be used to regrade approx. 20 acres of disturbed area as described in the REVEG spreadsheet, tab 'Regrade'.

Productivity Calculations:

Grading

Hourly Production = 8 (average speed) mi/hr x 8.4 (effective blade width) ft x 5280 ft/mi x 1 ac / 43560 ft^2 x 0.90 (efficiency factor) = 7.3 ac/hr

Hours Required = 19.82 (area to be graded) ac / 7.3 (hourly production) ac/hr = 2.7 hr

Scarification

Hourly Production = 8 (average speed) mi/hr x 7.58 (scarifier width) ft x 5280 ft/mi x 1 ac / 43560 ft^2 x 0.90 (efficiency factor) = 6.6 ac/hr

Hours Required = 241.39 (area to be scarified) ac / 6.6 (hourly production) ac/hr = 36.5 hr

Total Hours Required

Total Hours = 2.7 (grading hours required) + 36.5 (scarification hours required) = 39.2 hr

Data Source(s): **Caterpillar Performance Handbook, Edition 26**

Project: Iron Mountain (M/21/008)
Date: 03/25/10
Prepared by: Palladon Iron Corp.

WORKSHEET 11B
PRODUCTIVITY OF DOZER PUSH-LOADED SCRAPER USE

Earthmoving Activity:

Load and haul topsoil (approx. 45,817 cubic yards) to spread in the areas designated by the REVEG spreadsheet, tabs 'Topsoil Haul', and 'Topsoil Spread'.

Characterization of Scraper Used (type, capacity, etc.):

Caterpillar 631G Push-Load Scraper 21 C.Y. (struck) + 31 C.Y. (heaped)

Description of Scraper Use (origin, destination, grade, haul distance, capacity, etc.):

Topsoil stockpile is located on top of the Mountain Lion Waste dump. Haul length will vary depending on location (see REVEG spreadsheet, tab 'Topsoil Haul').

List Pusher Tractor(s) Used:

Caterpillar D10T will assist the scraper in loading.

Describe Push Tractor Loading Method (see figure on next page):

Back-track loading method with 1 push tractor.

Scraper Productivity Calculations:

Cycle Time = 1 min (load time) + 1 min (loaded trip time) + 0.5 min (maneuver and spread time) + 1.0 min (return trip time)

= 3.5 min

Hourly Production = 25.0 LCY (capacity*) x 60 min/hr) 3.5 min (cycle time**) x 0.90 (efficiency factor)

= 385.7 LCY/hr

Hours Required = 45817.0 LCY (volume to be handled)) 385.7 LCY/hr (hourly production) = 118.8 hr

* Use the average of the struck and heaped capacities.

Push Tractor Productivity Calculations:

Pusher Cycle Time = 1 min (scraper load time) x 1.3 (pusher factor) = 1.30 min

Scrapers/Pusher = 3.5 min (scraper cycle time)) 1.3 min (pusher cycle time) = 2.7 scrapers

Pusher Hours Required = 118.8 hr (scraper hours)) 2.7 (scrapers per pusher) = 45.0 hr (round up)

Data Source: **Caterpillar Performance Handbook, Edition 26**

Project: Iron Mountain (M/21/008)
Date: 03/25/10
Prepared by: Palladon Iron Corp.

WORKSHEET 11B (continued)
PRODUCTIVITY OF DOZER PUSH-LOADED SCRAPER USE

PUSHER FACTORS	Single Push
A. Back Track Loading	1.5
B. Chain Loading	1.3
C. Shuttle Loading	1.3

Modified from Terex, 1981.
(Note: Illustration's were removed for this spreadsheet.)

Data Source(s): TEREX AMERICAS, Tulsa, OK 74107, (918) 445-5802.

Total Earth-moving Costs

Equipment Type	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost	
Caterpillar D10T	$183.00	$130.15	$27.45	$28.82	$369.42	1	$369.42	HR	64565.6	BCY	4194	BCY/HR	15.3947544	HRS	$5,687.13	Rip
CAT 14H Motor Grader	$63.98	$43.05	$9.60	$16.81	$133.44	1	$133.44	HR	241.39	AC	6.6	AC/HR	36.5742424	HRS	$4,880.36	Scarify
CAT 14H Motor Grader	$63.98	$43.05	$9.60	$16.81	$133.44	1	$133.44	HR	19.82	AC	7.3	AC/HR	2.71506849	HRS	$362.29	Regrade
Caterpillar D10T	183	130.15	27.45	28.82	369.42	1	369.42	HR	9135.69	BCY	4194	BCY/HR	2.18	HRS	$ 804.70	Dump extension
Caterpillar D10T	$183.00	$130.15	$27.45	$28.82	$369.42	1	$369.42	HR	28.4	AC	2.26	AC/HR	12.5663717	HRS	$4,642.27	Topsoil Spread
Caterpillar 631G Push-Load Scraper	$132.33	$113.20	$19.85	$27.08	$292.46	1	$292.46	HR	45817	LCY	385.7	LCY/HR	118.789214	HRS	$34,741.03	Topsoil Haul
Caterpillar D10T	$183.00	$130.15	$27.45	$28.82	$369.42	1	$369.42	HR	118.789214	HRS	2.692	Scr/Pshr	45	HRS	$16,623.90	Topsoil Haul
Caterpillar D10T	$183.00	$130.15	$27.45	$28.82	$369.42	1	$369.42	HR	2296	LCY	466	LCY/HR	4.92703863	HRS	$1,820.15	Berm
Total															$69,561.83	

Demolition Costs

Ref #	Area	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Area	Volume	Unit	Total Cost
1	Burke Pit Road	Level Areas/Road	-	-	-	-	-	-	-	-	-	-	-
											0		0.00
2	Black Hawk	Lean Ore Stockpile	-	-	-	-	-	-	-	-	-	-	-
3		Lean Ore Pile Road	-	-	-	-	-	-	-	-	-	-	-
4		Fines area and Road	-	-	-	-	-	-	-	-	-	-	-
											0		0.00
5	Duncan	Duncan Pit	Mixture of Types Concrete	024116130100 024116170240	.35 4.39	$/C.F. $/S.F.				292.4	5000 .	C.F. S.F.	3,033.64
6		Duncan Pit Road	-	-	-	-	-	-	-	-	-	-	-
7		Access Road from Highway	-	-	-	-	-	-	-	-	-	-	-
8		Access Road from Tip Top	-	-	-	-	-	-	-	-	-	-	-
9		Load Out Area	-	-	-	-	-	-	-	-	-	-	-
10		Dump Top	-	-	-	-	-	-	-	-	-	-	-
11		Dump Slope	-	-	-	-	-	-	-	-	-	-	-
12		Topsoil Borrow Area	-	-	-	-	-	-	-	-	-	-	-
											0.00		3,033.64
13	Tip Top	Dump Top	-	-	-	-	-	-	-	-	-	-	-
14		Dump Slope	-	-	-	-	-	-	-	-	-	-	-
15		Pit	-	-	-	-	-	-	-	-	-	-	-
16		Road-Post-Act Disturbed	-	-	-	-	-	-	-	-	-	-	-
17		Road-Outslopes and Cuts	-	-	-	-	-	-	-	-	-	-	-
											0.00		0.00
18	Excellsior/Chesapeake	Pit and Road	-	-	-	-	-	-	-	-	-	-	-
19		Dump Slope	-	-	-	-	-	-	-	-	-	-	-
20		Level Area	-	-	-	-	-	-	-	-	-	-	-
21		Road-Post-Act Disturbed	-	-	-	-	-	-	-	-	-	-	-
											0		0.00
22	Future Mtn Lion Dump	Dump Top	-	-	-	-	-	-	-	-	-	-	-
23		Dump Slopes	-	-	-	-	-	-	-	-	-	-	-
24		Roads	-	-	-	-	-	-	-	-	-	-	-
											0		0.00
25	Mtn Lion Pit	Pit Bottom	-	-	-	-	-	-	-	-	-	-	-
26		Pit Bottom	-	-	-	-	-	-	-	-	-	-	-
27		Pit slopes	-	-	-	-	-	-	-	-	-	-	-
28		Pit slopes	-	-	-	-	-	-	-	-	-	-	-
29		Pit benches	-	-	-	-	-	-	-	-	-	-	-
30		Pit benches	-	-	-	-	-	-	-	-	-	-	-
31		Pit roads	-	-	-	-	-	-	-	-	-	-	-
											0		0.00
32	Mtn Lion Dump	Dump top	Mixture of Types Concrete	024116130100 024116170240	.35 4.39	$/C.F. $/S.F.				292.4	5000 .	C.F. S.F.	3,033.64
33		Dump top	-	-	-	-	-	-	-	-	-	-	-
34		Dump slopes	-	-	-	-	-	-	-	-	-	-	-
35		Dump slopes	-	-	-	-	-	-	-	-	-	-	-
36		Pit roads	-	-	-	-	-	-	-	-	-	-	-
											0		3,033.64
37	Anthill	Borrow Area	-	-	-	-	-	-	-	-	-	-	-
											0		0.00
38	Railroad Spur	Level Area	Concrete	024116172400	13.72	$/S.F.					375	S.F.	5,145.00
39	Railroad Spur	Level Area	Concrete	024116172400	13.72	$/S.F.					375	S.F.	5,145.00
											750		10,290.00
40	Comstock	Pit	-	-	-	-	-	-	-	-	-	-	-
41		Pit benches	-	-	-	-	-	-	-	-	-	-	-
42		Lean Ore Stockpile	-	-	-	-	-	-	-	-	-	-	-
43		Lean Ore Stockpile	-	-	-	-	-	-	-	-	-	-	-
44		Dump Slopes	-	-	-	-	-	-	-	-	-	-	-
45		Dump Extension	-	-	-	-	-	-	-	-	-	-	-
46		Maintenance Shop area	-	-	-	-	-	-	-	-	-	-	-
47		Ore Handling Area	-	-	-	-	-	-	-	-	-	-	-
48		Road over Dump	-	-	-	-	-	-	-	-	-	-	-
49		Road near Load Out	-	-	-	-	-	-	-	-	-	-	-
50		Road to Mtn Lion Dump	-	-	-	-	-	-	-	-	-	-	-
51		Two small wedges	-	-	-	-	-	-	-	-	-	-	-
											0		0.00
52	UI Mtn Lion/Comstock Processing Area	Dump Slopes	-	-	-	-	-	-	-	-	-	-	-
53		Ore Handling Area-South	-	-	-	-	-	-	-	-	-	-	-
54		Tipple (foundation)	Concrete	024116172400	13.72	$/S.F.					384	$/S.F.	5,268.48
55		Transformer		SEE ATTACHED GSL BID									72,119.00
											384		77,387.48
56	To be Decided	2 for 1 Reclamation area	-	-	-	-	-	-	-	-	-	-	-
											0		0.00
												TOTAL:	93,744.75

Berm

Ref #	Area	Description	Equipment	Unit Cost	Unit	Length	Swell Factor	Unit	Total Cost
1	Burke Pit Road	Level Areas/Road	Caterpillar D10T	$0.79	$/C.Y.	14.66	10%	C.Y.	$11.63
						14.66			$11.63
2	Black Hawk	Lean Ore Stockpile	-	-	-	-	-	-	-
3		Lean Ore Pile Road	-	-	-	-	-	-	-
4		Fines area and Road	-	-	-	-	-	-	-
						0.00			$0.00
5	Duncan	Duncan Pit	Caterpillar D10T	$0.79	$/C.Y.	623.34	10%	C.Y.	$494.31
6		Duncan Pit Road	-	-	-	-	-	-	-
7		Access Road from Highway	-	-	-	-	-	-	-
8		Access Road from Tip Top	-	-	-	-	-	-	-
9		Load Out Area	-	-	-	-	-	-	-
10		Dump Top	-	-	-	-	-	-	-
11		Dump Slope	-	-	-	-	-	-	-
12		Topsoil Borrow Area	-	-	-	-	-	-	-
						623.34			$494.31
13	Tip Top	Dump Top	Caterpillar D10T	$0.79	$/C.Y.	88.00	10%	C.Y.	$69.78
14		Dump Slope	-	-	-	-	-	-	-
15		Pit	-	-	-	-	-	-	-
16		Road-Post-Act Disturbed	-	-	-	-	-	-	-
17		Road-Outslopes and Cuts	-	-	-	-	-	-	-
						88.00			$69.78
18	Excellsior/Chesapeake	Pit and Road	Caterpillar D10T	$0.79	$/C.Y.	14.66	10%	C.Y.	$11.63
19		Dump Slope	-	-	-	-	-	-	-
20		Level Area	-	-	-	-	-	-	-
21		Road-Post-Act Disturbed	-	-	-	-	-	-	-
						14.66			$11.63
22	Future Mtn Lion Dump	Dump Top	-	-	-	-	-	-	-
23		Dump Slopes	-	-	-	-	-	-	-
24		Roads	-	-	-	-	-	-	-
						0.00			$0.00
25	Mtn Lion Pit	Pit Bottom	-	-	-	-	-	-	-
26		Pit Bottom	-	-	-	-	-	-	-
27		Pit slopes	Caterpillar D10T	$0.79	$/C.Y.	421.66	10%	C.Y.	$334.38
28		Pit slopes	-	-	-	-	-	-	-
29		Pit benches	-	-	-	-	-	-	-
30		Pit benches	-	-	-	-	-	-	-
31		Pit roads	-	-	-	-	-	-	-
						421.66			$334.38
32	Mtn Lion Dump	Dump top	-	-	-	-	-	-	-
33		Dump top	-	-	-	-	-	-	-
34		Dump slopes	-	-	-	-	-	-	-
35		Dump slopes	-	-	-	-	-	-	-
36		Pit roads	-	-	-	-	-	-	-
						0.00			$0.00
37	Anthill	Borrow Area	-	-	-	-	-	-	-
						0.00			$0.00
38	Railroad Spur	Level Area	-	-	-	-	-	-	-
39	Railroad Spur	Level Area	-	-	-	-	-	-	-
						0.00			$0.00
40	Comstock	Pit	Caterpillar D10T	$0.79	$/C.Y.	1133.00	10%	C.Y.	$898.47
41		Pit benches	-	-	-	-	-	-	-
42		Lean Ore Stockpile	-	-	-	-	-	-	-
43		Lean Ore Stockpile	-	-	-	-	-	-	-
44		Dump Slopes	-	-	-	-	-	-	-
45		Dump Extension	-	-	-	-	-	-	-
46		Maintenance Shop area	-	-	-	-	-	-	-
47		Ore Handling Area	-	-	-	-	-	-	-
48		Road over Dump	-	-	-	-	-	-	-
49		Road near Load Out	-	-	-	-	-	-	-
50		Road to Mtn Lion Dump	-	-	-	-	-	-	-
51		Two small wedges	-	-	-	-	-	-	-
						1133.00			$898.47
52	UI Mtn Lion/Comstock	Dump Slopes	-	-	-	-	-	-	-
53	Processing Area	Ore Handling Area-South	-	-	-	-	-	-	-
54		Tipple (foundation)	-	-	-	-	-	-	-
55		Transformer	-	-	-	-	-	-	-
						0.00			$0.00
56	To be Decided	2 for 1 Reclamation area	-	-	-	-	-	-	-
						0.00			$0.00
						2295.33			**$1,820.19**

Seeding

Ref #	Area	Description	Materials	Unit Cost	Unit	Quantity	Unit	Total Cost
1	Burke Pit Road	Level Areas/Road	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	3.19	Acre	6,380.00
						3.19		6,380.00
2	Black Hawk	Lean Ore Stockpile	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	8.65	Acre	17,300.00
3		Lean Ore Pile Road	-	-	-	-	-	-
4		Fines area and Road	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	2.92	Acre	5,840.00
						11.57		23,140.00
5	Duncan	Duncan Pit	-	-	-	-	-	-
6		Duncan Pit Road	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	2.2	Acre	4,400.00
7		Access Road from Highway	-	-	-	-	-	-
8		Access Road from Tip Top	-	-	-	-	-	-
9		Load Out Area		$2,000.00	$/Acre	26.48	Acre	52,960.00
10		Dump Top	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	1.44	Acre	2,880.00
11		Dump Slope	-	-	-	-	-	-
12		Topsoil Borrow Area	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	1.68	Acre	3,360.00
						31.8		63,600.00
13	Tip Top	Dump Top	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	0.87	Acre	1,740.00
14		Dump Slope	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	1.09	Acre	2,180.00
15		Pit	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	0.96	Acre	1,920.00
16		Road-Post-Act Disturbed	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	1.51	Acre	3,020.00
17		Road-Outslopes and Cuts	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	1.4	Acre	2,800.00
						5.83		11,660.00
18	Excellsior/Chesapeake	Pit and Road	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	3.02	Acre	6,040.00
19		Dump Slope	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	1.15	Acre	2,300.00
20		Level Area	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	1.36	Acre	2,720.00
21		Road-Post-Act Disturbed	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	1.17	Acre	2,340.00
						6.7		13,400.00
22	Future Mtn Lion Dump	Dump Top	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	24.6	Acre	49,200.00
23		Dump Slopes	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	9.19	Acre	18,380.00
24		Roads	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	2.28	Acre	4,560.00
						36.07		72,140.00
25	Mtn Lion Pit	Pit Bottom	-	-	-	-	-	-
26		Pit Bottom	-	-	-	-	-	-
27		Pit slopes	-	-	-	-	-	-
28		Pit slopes	-	-	-	-	-	-
29		Pit benches	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	2.48	Acre	4,960.00
30		Pit benches	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	11.33	Acre	22,660.00
31		Pit roads	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	6.72	Acre	13,440.00
						20.53		41,060.00
32	Mtn Lion Dump	Dump top	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	21.54	Acre	43,080.00
33		Dump top	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	4.98	Acre	9,960.00
34		Dump slopes	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	7.8	Acre	15,600.00
35		Dump slopes	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	1.4	Acre	2,800.00
36		Pit roads	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	2.41	Acre	4,820.00
						38.13		76,260.00
37	Anthill	Borrow Area	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	2.06	Acre	4,120.00
						2.06		4,120.00
38	Railroad Spur	Level Area	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	2.96	Acre	5,920.00
39	Railroad Spur	Level Area	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	2.11	Acre	4,220.00
						5.07		10,140.00
40	Comstock	Pit	-	-	-	-	-	-
41		Pit benches	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	14.64	Acre	29,280.00
42		Lean Ore Stockpile	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	38.47	Acre	76,940.00
43		Lean Ore Stockpile	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	17.72	Acre	35,440.00
44		Dump Slopes	-	-	-	-	-	-
45		Dump Extension	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	42.5	Acre	85,000.00
46		Maintenance Shop area	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	8.94	Acre	17,880.00
47		Ore Handling Area	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	16.58	Acre	33,160.00
48		Road over Dump	-	-	-	-	-	-
49		Road near Load Out	-	-	-	-	-	-
50		Road to Mtn Lion Dump	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	3.78	Acre	7,560.00
51		Two small wedges	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	0.67	Acre	1,340.00
						143.3		286,600.00
52	UI Mtn Lion/Comstock	Dump Slopes	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	4.78	Acre	9,560.00
53	Processing Area	Ore Handling Area-South	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	3.01	Acre	6,020.00
54		Tipple (foundation)	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	3.28	Acre	6,560.00
55		Transformer	-	-	-	-	-	-
						11.07		22,140.00
56	To be Decided	2 for 1 Reclamation area	Seed, mulch and fertilizer (where needed)	$2,000.00	$/Acre	6.6	Acre	13,200.00
						6.6		13,200.00
						321.92		**643,840.00**

Topsoil Spread

Ref #	Area	Description	Equipment	Unit Cost	Unit	Area	Unit	Spread Cost
1	Burke Pit Road	Level Areas/Road	Caterpillar D10T	$163.5	$/Acre	1.065	Acre	$174.04
						1.065	0	$174.04
2	Black Hawk	Lean Ore Stockpile	Caterpillar D10T	$163.5	$/Acre	1.443	Acre	$235.90
3		Lean Ore Pile Road	-	-	-	-	-	-
4		Fines area and Road	Caterpillar D10T	$163.5	$/Acre	0.487	Acre	$79.61
						1.930	0	$315.52
5	Duncan	Duncan Pit	-	-	-	-	-	-
6		Duncan Pit Road	Caterpillar D10T	$163.5	$/Acre	0.184	Acre	$30.02
7		Access Road from Highway	-	-	-	-	-	-
8		Access Road from Tip Top	-	-	-	-	-	-
9		Load Out Area	Caterpillar D10T	$163.5	$/Acre	2.209	Acre	$361.05
10		Dump Top	Caterpillar D10T	$163.5	$/Acre	0.120	Acre	$19.57
11		Dump Slope	-	-	-	-	-	-
12		Topsoil Borrow Area	-	-	-	-	-	-
						2.512	0	$410.65
13	Tip Top	Dump Top	Caterpillar D10T	$163.5	$/Acre	0.289	Acre	$47.26
14		Dump Slope	Caterpillar D10T	$163.5	$/Acre	0.364	Acre	$59.43
15		Pit	Caterpillar D10T	$163.5	$/Acre	0.289	Acre	$47.16
16		Road-Post-Act Disturbed	Caterpillar D10T	$163.5	$/Acre	0.504	Acre	$82.35
17		Road-Outslopes and Cuts	-	-	-	-	-	-
						1.445	0	$236.21
18	Excellsior/Chesapeake	Pit and Road	Caterpillar D10T	$163.5	$/Acre	1.008	Acre	$164.71
19		Dump Slope	-	-	-	-	-	-
20		Level Area	Caterpillar D10T	$163.5	$/Acre	0.454	Acre	$74.14
21		Road-Post-Act Disturbed	Caterpillar D10T	$163.5	$/Acre	0.389	Acre	$63.59
						1.850	0	$302.43
22	Future Mtn Lion Dump	Dump Top	Caterpillar D10T	$163.5	$/Acre	4.104	Acre	$670.89
23		Dump Slopes	-	-	-	-	-	-
24		Roads	Caterpillar D10T	$163.5	$/Acre	0.380	Acre	$62.17
						4.485	0	$733.06
25	Mtn Lion Pit	Pit Bottom	-	-	-	-	-	-
26		Pit Bottom	-	-	-	-	-	-
27		Pit slopes	-	-	-	-	-	-
28		Pit slopes	-	-	-	-	-	-
29		Pit benches	Caterpillar D10T	$163.5	$/Acre	0.413	Acre	$67.55
30		Pit benches	Caterpillar D10T	$163.5	$/Acre	1.891	Acre	$309.03
31		Pit roads	Caterpillar D10T	$163.5	$/Acre	1.121	Acre	$183.27
						3.425	0	$559.84
32	Mtn Lion Dump	Dump top	Caterpillar D10T	$163.5	$/Acre	3.594	Acre	$587.42
33		Dump top	Caterpillar D10T	$163.5	$/Acre	0.831	Acre	$135.80
34		Dump slopes	-	-	-	-	-	-
35		Dump slopes	-	-	-	-	-	-
36		Pit roads	Caterpillar D10T	$163.5	$/Acre	0.402	Acre	$65.72
						4.827	0	$788.94
37	Anthill	Borrow Area	-	-	-	-	-	-
						0.000	0	$0.00
38	Railroad Spur	Level Area	-	-	-	-	-	-
39	Railroad Spur	Level Area	-	-	-	-	-	-
						0.000	0	$0.00
40	Comstock	Pit	-	-	-	-	-	-
41		Pit benches	-	-	-	-	-	-
42		Lean Ore Stockpile	Caterpillar D10T	$163.5	$/Acre	3.209	Acre	$524.54
43		Lean Ore Stockpile	Caterpillar D10T	$163.5	$/Acre	1.478	Acre	$241.58
44		Dump Slopes	-	-	-	-	-	-
45		Dump Extension	-	-	-	-	-	-
46		Maintenance Shop area	-	-	-	-	-	-
47		Ore Handling Area	-	-	-	-	-	-
48		Road over Dump	-	-	-	-	-	-
49		Road near Load Out	-	-	-	-	-	-
50		Road to Mtn Lion Dump	-	-	-	-	-	-
51		Two small wedges	-	-	-	-	-	-
						4.687	0	$766.12
52	UI Mtn Lion/Comstock	Dump Slopes	-	-	-	-	-	-
53	Processing Area	Ore Handling Area-South	-	-	-	-	-	-
54		Tipple (foundation)	-	-	-	-	-	-
55		Transformer	-	-	-	-	-	-
						0.000	0	$0.00
56	To be Decided	2 for 1 Reclamation area	Caterpillar D10T	$163.46	$/Acre	2.202	Acre	$359.94
						2.202	0	$359.94
						28.427	**0**	$4,286.80

Topsoil Haul

Ref #	Area	Description	Equipment	Unit Cost	Unit	Volume	Unit	Haul Cost
1	Burke Pit Road	Level Areas/Road	Caterpillar 631G Push-Load Scraper Caterpillar D10T	$1.1211	$/C.Y.	1716	C.Y.	$1,923.81
						1716	0	$1,923.81
2	Black Hawk	Lean Ore Stockpile	Caterpillar 631G Push-Load Scraper Caterpillar D10T	$1.1211	$/C.Y.	2326	C.Y.	$2,607.68
3		Lean Ore Pile Road	-	-	-	-	-	-
4		Fines area and Road	Caterpillar 631G Push-Load Scraper Caterpillar D10T	$1.1211	$/C.Y.	785	C.Y.	$880.06
						3111	0	$3,487.74
5	Duncan	Duncan Pit	-	-	-	-	-	-
6		Duncan Pit Road	Caterpillar 631G Push-Load Scraper Caterpillar D10T	$1.1211	$/C.Y.	296	C.Y.	$331.85
7		Access Road from Highway	-	-	-	-	-	-
8		Access Road from Tip Top	-	-	-	-	-	-
9		Load Out Area	Caterpillar 631G Push-Load Scraper Caterpillar D10T	$1.1211	$/C.Y.	3560	C.Y.	$3,991.12
10		Dump Top	Caterpillar 631G Push-Load Scraper Caterpillar D10T	$1.1211	$/C.Y.	193	C.Y.	$216.37
11		Dump Slope	-	-	-	-	-	-
12		Topsoil Borrow Area	-	-	-	-	-	-
						4049	0	$4,539.33
13	Tip Top	Dump Top	Caterpillar 631G Push-Load Scraper Caterpillar D10T	$1.1211	$/C.Y.	466	C.Y.	$522.43
14		Dump Slope	Caterpillar 631G Push-Load Scraper Caterpillar D10T	$1.1211	$/C.Y.	586	C.Y.	$656.96
15		Pit	Caterpillar 631G Push-Load Scraper Caterpillar D10T	$1.1211	$/C.Y.	465	C.Y.	$521.31
16		Road-Post-Act Disturbed	Caterpillar 631G Push-Load Scraper Caterpillar D10T	$1.1211	$/C.Y.	812	C.Y.	$910.33
17		Road-Outslopes and Cuts	-	-	-	-	-	-
						2329	0	$2,611.04
18	Excellsior/Chesapeake	Pit and Road	Caterpillar 631G Push-Load Scraper Caterpillar D10T	$1.1211	$/C.Y.	1624	C.Y.	$1,820.67
19		Dump Slope	-	-	-	-	-	-
20		Level Area	Caterpillar 631G Push-Load Scraper Caterpillar D10T	$1.1211	$/C.Y.	731	C.Y.	$819.52
21		Road-Post-Act Disturbed	Caterpillar 631G Push-Load Scraper Caterpillar D10T	$1.1211	$/C.Y.	627	C.Y.	$702.93
						2982	0	$3,343.12
22	Future Mtn Lion Dump	Dump Top	Caterpillar 631G Push-Load Scraper Caterpillar D10T	$1.1211	$/C.Y.	6615	C.Y.	$7,416.08
23		Dump Slopes	-	-	-	-	-	-
24		Roads	Caterpillar 631G Push-Load Scraper Caterpillar D10T	$1.1211	$/C.Y.	613	C.Y.	$687.23
						7228	0	$8,103.31
25	Mtn Lion Pit	Pit Bottom	-	-	-	-	-	-
26		Pit Bottom	-	-	-	-	-	-
27		Pit slopes	-	-	-	-	-	-
28		Pit slopes	-	-	-	-	-	-
29		Pit benches	Caterpillar 631G Push-Load Scraper Caterpillar D10T	$1.1211	$/C.Y.	666	C.Y.	$746.65
30		Pit benches	Caterpillar 631G Push-Load Scraper Caterpillar D10T	$1.1211	$/C.Y.	3047	C.Y.	$3,415.99
31		Pit roads	Caterpillar 631G Push-Load Scraper Caterpillar D10T	$1.1211	$/C.Y.	1807	C.Y.	$2,025.83
						5520	0	$6,188.47
32	Mtn Lion Dump	Dump top	Caterpillar 631G Push-Load Scraper Caterpillar D10T	$1.1211	$/C.Y.	5792	C.Y.	$6,493.41
33		Dump top	Caterpillar 631G Push-Load Scraper Caterpillar D10T	$1.1211	$/C.Y.	1339	C.Y.	$1,501.15
34		Dump slopes	-	-	-	-	-	-
35		Dump slopes	-	-	-	-	-	-
36		Pit roads	Caterpillar 631G Push-Load Scraper Caterpillar D10T	$1.1211	$/C.Y.	648	C.Y.	$726.47
						7779	0	$8,721.04
37	Anthill	Borrow Area	-	-	-	-	-	-
						0	0	$0.00
38	Railroad Spur	Level Area	-	-	-	-	-	-
39	Railroad Spur	Level Area	-	-	-	-	-	-
						0	0	$0.00
40	Comstock	Pit	-	-	-	-	-	-
41		Pit benches	-	-	-	-	-	-
42		Lean Ore Stockpile	Caterpillar 631G Push-Load Scraper Caterpillar D10T	$1.1211	$/C.Y.	5172	C.Y.	$5,798.33
43		Lean Ore Stockpile	Caterpillar 631G Push-Load Scraper Caterpillar D10T	$1.1211	$/C.Y.	2382	C.Y.	$2,670.46
44		Dump Slopes	-	-	-	-	-	-
45		Dump Extension	-	-	-	-	-	-
46		Maintenance Shop area	-	-	-	-	-	-
47		Ore Handling Area	-	-	-	-	-	-
48		Road over Dump	-	-	-	-	-	-
49		Road near Load Out	-	-	-	-	-	-
50		Road to Mtn Lion Dump	-	-	-	-	-	-
51		Two small wedges	-	-	-	-	-	-
						7554	0	$8,468.79
52	UI Mtn Lion/Comstock Processing Area	Dump Slopes	-	-	-	-	-	-
53		Ore Handling Area-South	-	-	-	-	-	-
54		Tipple (foundation)	-	-	-	-	-	-
55		Transformer	-	-	-	-	-	-
						0	0	$0.00
56	To be Decided	2 for 1 Reclamation area	Caterpillar 631G Push-Load Scraper Caterpillar D10T	$1.1211	$/C.Y.	3549	C.Y.	$3,978.78
						3549	0	$3,978.78
						45817	**0**	**$51,365.44**

Regrade

Ref #	Area	Description	Equipment	Unit Cost	Unit	Volume	Unit	Total Cost
1	Burke Pit Road	Level Areas/Road	-	-	-	-	-	-
						0.00		$0.00
2	Black Hawk	Lean Ore Stockpile	-	-	-	-	-	-
3		Lean Ore Pile Road	-	-	-	-	-	-
4		Fines area and Road	-	-	-	-	-	-
						0.00		$0.00
5	Duncan	Duncan Pit	-	-	-	-	-	-
6		Duncan Pit Road	CAT 14H Motor Grader	$18.28	$/Acre	0.37	Acre	$6.71
7		Access Road from Highway	-	-	-	-	-	-
8		Access Road from Tip Top	-	-	-	-	-	-
9		Load Out Area	CAT 14H Motor Grader	$18.28	$/Acre	4.42	Acre	$80.75
10		Dump Top	-	-	-	-	-	-
11		Dump Slope	CAT 14H Motor Grader	$18.28	$/Acre	0.19	Acre	$3.43
12		Topsoil Borrow Area	CAT 14H Motor Grader	$18.28	$/Acre	0.28	Acre	$5.13
						5.25		$96.02
13	Tip Top	Dump Top	-	-	-	-	-	-
14		Dump Slope	CAT 14H Motor Grader	$18.28	$/Acre	0.00	Acre	$0.00
15		Pit	CAT 14H Motor Grader	$18.28	$/Acre	0.00	Acre	$0.00
16		Road-Post-Act Disturbed	-	-	-	-	-	-
17		Road-Outslopes and Cuts	-	-	-	-	-	-
						0.00		$0.00
18	Excellsior/Chesapeake	Pit and Road	CAT 14H Motor Grader	$18.28	$/Acre	0.09	Acre	$1.71
19		Dump Slope	CAT 14H Motor Grader	$18.28	$/Acre	0.00	Acre	$0.00
20		Level Area	CAT 14H Motor Grader	$18.28	$/Acre	0.04	Acre	$0.77
21		Road-Post-Act Disturbed	-	-	-	-	-	-
						0.14		$2.48
22	Future Mtn Lion Dump	Dump Top	CAT 14H Motor Grader	$18.28	$/Acre	0.76	Acre	$13.95
23		Dump Slopes	CAT 14H Motor Grader	$18.28	$/Acre	0.00	Acre	$0.00
24		Roads	-	-	-	-	-	-
						0.76		$13.95
25	Mtn Lion Pit	Pit Bottom	-	-	-	-	-	-
26		Pit Bottom	-	-	-	-	-	-
27		Pit slopes	-	-	-	-	-	-
28		Pit slopes	-	-	-	-	-	-
29		Pit benches	CAT 14H Motor Grader	$18.28	$/Acre	0.41	Acre	$7.55
30		Pit benches	CAT 14H Motor Grader	$18.28	$/Acre	1.89	Acre	$34.56
31		Pit roads	-	-	-	-	-	-
						2.30		$42.11
32	Mtn Lion Dump	Dump top	CAT 14H Motor Grader	$18.28	$/Acre	0.67	Acre	$12.22
33		Dump top	CAT 14H Motor Grader	$18.28	$/Acre	0.15	Acre	$2.82
34		Dump slopes	CAT 14H Motor Grader	$18.28	$/Acre	0.00	Acre	$0.00
35		Dump slopes	CAT 14H Motor Grader	$18.28	$/Acre	0.00	Acre	$0.00
36		Pit roads	-	-	-	-	-	-
						0.82		$15.04
37	Anthill	Borrow Area	CAT 14H Motor Grader	$18.28	$/Acre	0.34	Acre	$6.28
						0.34		$6.28
38	Railroad Spur	Level Area	CAT 14H Motor Grader	$18.28	$/Acre	0.49	Acre	$9.03
39	Railroad Spur	Level Area	CAT 14H Motor Grader	$18.28	$/Acre	0.35	Acre	$6.43
						0.85		$15.46
40	Comstock	Pit	-	-	-	-	-	-
41		Pit benches	-	-	-	-	-	-
42		Lean Ore Stockpile	-	-	-	-	-	-
43		Lean Ore Stockpile	-	-	-	-	-	-
44		Dump Slopes	-	-	-	-	-	-
45		Dump Extension	Caterpillar D10T	$0.79	$/C.Y.	9135.69	C.Y.	$7,217.20
46		Maintenance Shop area	CAT 14H Motor Grader	$18.28	$/Acre	1.49	Acre	$27.27
47		Ore Handling Area	CAT 14H Motor Grader	$18.28	$/Acre	2.77	Acre	$50.56
48		Road over Dump	-	-	-	-	-	-
49		Road near Load Out	-	-	-	-	-	-
50		Road to Mtn Lion Dump	CAT 14H Motor Grader	$18.28	$/Acre	0.63	Acre	$11.52
51		Two small wedges	CAT 14H Motor Grader	$18.28	$/Acre	0.11	Acre	$2.05
						5.00		$7,308.60
52	UI Mtn Lion/Comstock	Dump Slopes	CAT 14H Motor Grader	$18.28	$/Acre	3.32	Acre	$60.71
53	Processing Area	Ore Handling Area-South	CAT 14H Motor Grader	$18.28	$/Acre	0.50	Acre	$9.18
54		Tipple (foundation)	CAT 14H Motor Grader	$18.28	$/Acre	0.55	Acre	$10.00
55		Transformer	-			-		
						4.37		$79.89
56	To be Decided	2 for 1 Reclamation area	-	-	-	-	-	-
								$0.00
						19.84		**$7,579.84**

Scarify

Ref #	Area	Description	Equipment	Unit Cost	Unit	Quantity	Unit	Total Cost
1	Burke Pit Road	Level Areas/Road	CAT 14H Motor Grader	20.22	$/Acre	3.19	Acre	$64.50
						3.19		$64.50
2	Black Hawk	Lean Ore Stockpile	CAT 14H Motor Grader	20.22	$/Acre	8.65	Acre	$174.90
3		Lean Ore Pile Road	-	-	-	-	-	-
4		Fines area and Road	CAT 14H Motor Grader	20.22	$/Acre	2.92	Acre	$59.04
						11.57		$233.95
5	Duncan	Duncan Pit	-	-	-	-	-	-
6		Duncan Pit Road	CAT 14H Motor Grader	20.22	$/Acre	2.2	Acre	$44.48
7		Access Road from Highway	-	-	-	-	-	-
8		Access Road from Tip Top	-	-	-	-	-	-
9		Load Out Area	CAT 14H Motor Grader	20.22	$/Acre	26.48	Acre	$535.43
10		Dump Top	CAT 14H Motor Grader	20.22	$/Acre	1.44	Acre	$29.12
11		Dump Slope	-	-	-	-	-	-
12		Topsoil Borrow Area	CAT 14H Motor Grader	20.22	$/Acre	1.68	Acre	$33.97
						31.8		$643.00
13	Tip Top	Dump Top	CAT 14H Motor Grader	20.22	$/Acre	0.87	Acre	$17.59
14		Dump Slope	-	-	-	-	-	-
15		Pit	-	-	-	-	-	-
16		Road-Post-Act Disturbed	CAT 14H Motor Grader	20.22	$/Acre	1.51	Acre	$30.53
17		Road-Outslopes and Cuts	-	-	-	-	-	-
						2.38		$48.12
18	Excellsior/Chesapeake	Pit and Road	CAT 14H Motor Grader	20.22	$/Acre	3.02	Acre	$61.06
19		Dump Slope	-	-	-	-	-	-
20		Level Area	CAT 14H Motor Grader	20.22	$/Acre	1.36	Acre	$27.50
21		Road-Post-Act Disturbed	CAT 14H Motor Grader	20.22	$/Acre	1.17	Acre	$23.66
						5.55		$112.22
22	Future Mtn Lion Dump	Dump Top	CAT 14H Motor Grader	20.22	$/Acre	24.6	Acre	$497.41
23		Dump Slopes	CAT 14H Motor Grader	20.22	$/Acre	9.19	Acre	$185.82
24		Roads	CAT 14H Motor Grader	20.22	$/Acre	2.28	Acre	$46.10
						36.07		$729.34
25	Mtn Lion Pit	Pit Bottom	-	-	-	-	-	-
26		Pit Bottom	-	-	-	-	-	-
27		Pit slopes	-	-	-	-	-	-
28		Pit slopes	-	-	-	-	-	-
29		Pit benches	-	-	-	-	-	-
30		Pit benches	-	-	-	-	-	-
31		Pit roads	CAT 14H Motor Grader	20.22	$/Acre	6.72	Acre	$135.88
						6.72		$135.88
32	Mtn Lion Dump	Dump top	CAT 14H Motor Grader	20.22	$/Acre	21.54	Acre	$435.54
33		Dump top	CAT 14H Motor Grader	20.22	$/Acre	4.98	Acre	$100.70
34		Dump slopes	CAT 14H Motor Grader	20.22	$/Acre	7.6	Acre	$153.67
35		Dump slopes	CAT 14H Motor Grader	20.22	$/Acre	1.4	Acre	$28.31
36		Pit roads	CAT 14H Motor Grader	20.22	$/Acre	2.41	Acre	$48.73
						37.93		$766.94
37	Anthill	Borrow Area	CAT 14H Motor Grader	20.22	$/Acre	2.06	Acre	$41.65
						2.06		$41.65
38	Railroad Spur	Level Area	CAT 14H Motor Grader	20.22	$/Acre	2.96	Acre	$59.85
39	Railroad Spur	Level Area	CAT 14H Motor Grader	20.22	$/Acre	2.11	Acre	$42.66
						5.07		$102.52
40	Comstock	Pit	-	-	-	-	-	-
41		Pit benches	-	-	-	-	-	-
42		Lean Ore Stockpile	CAT 14H Motor Grader	20.22	$/Acre	38.47	Acre	$777.86
43		Lean Ore Stockpile	CAT 14H Motor Grader	20.22	$/Acre	17.72	Acre	$358.30
44		Dump Slopes	-	-	-	-	-	-
45		Dump Extension	-	-	-	-	-	-
46		Maintenance Shop area	CAT 14H Motor Grader	20.22	$/Acre	8.94	Acre	$180.77
47		Ore Handling Area	CAT 14H Motor Grader	20.22	$/Acre	16.58	Acre	$335.25
48		Road over Dump	-	-	-	-	-	-
49		Road near Load Out	-	-	-	-	-	-
50		Road to Mtn Lion Dump	CAT 14H Motor Grader	20.22	$/Acre	3.78	Acre	$76.43
51		Two small wedges	CAT 14H Motor Grader	20.22	$/Acre	0.67	Acre	$13.55
						86.16		$1,742.16
52	UI Mtn Lion/Comstock	Dump Slopes	-	-	-	-	-	-
53	Processing Area	Ore Handling Area-South	CAT 14H Motor Grader	20.22	$/Acre	3.01	Acre	$60.86
54		Tipple (foundation)	CAT 14H Motor Grader	20.22	$/Acre	3.28	Acre	$66.32
55		Transformer	-	-	-	-	-	-
						6.29		$127.18
56	To be Decided	2 for 1 Reclamation area	CAT 14H Motor Grader	20.22	$/Acre	6.6	Acre	$133.45
						6.6		$133.45
						241.39		**$4,880.91**

Rip

Ref #	Area	Description	Equipment	Unit Cost	Unit	Quantity	Unit	Total Cost
1	Burke Pit Road	Level Areas/Road	Caterpillar D10T	0.088	$/C.Y.	15439.6	C.Y.	$1,358.68
						15439.6		$1,358.68
2	Black Hawk	Lean Ore Stockpile	-	-	-	-	-	-
3		Lean Ore Pile Road	-	-	-	-	-	-
4		Fines area and Road	-	-	-	-	-	-
						0		$0.00
5	Duncan	Duncan Pit	-	-	-	-	-	-
6		Duncan Pit Road	-	-	-	-	-	-
7		Access Road from Highway	-	-	-	-	-	-
8		Access Road from Tip Top	-	-	-	-	-	-
9		Load Out Area	-	-	-	-	-	-
10		Dump Top	-	-	-	-	-	-
11		Dump Slope	-	-	-	-	-	-
12		Topsoil Borrow Area	-	-	-	-	-	-
						0		$0.00
13	Tip Top	Dump Top	Caterpillar D10T	0.088	$/C.Y.	4210.8	C.Y.	$370.55
14		Dump Slope	-	-	-	-	-	-
15		Pit	-	-	-	-	-	-
16		Road-Post-Act Disturbed	Caterpillar D10T	0.088	$/C.Y.	7308.4	C.Y.	$643.14
17		Road-Outslopes and Cuts	-	-	-	-	-	-
						11519.2		$1,013.69
18	Excellsior/Chesapeake	Pit and Road	-	-	-	-	-	-
19		Dump Slope	-	-	-	-	-	-
20		Level Area	-	-	-	-	-	-
21		Road-Post-Act Disturbed	Caterpillar D10T	0.088	$/C.Y.	5662.8	C.Y.	$498.33
						5662.8		$498.33
22	Future Mtn Lion Dump	Dump Top	-	-	-	-	-	-
23		Dump Slopes	-	-	-	-	-	-
24		Roads	-	-	-	-	-	-
						0		$0.00
25	Mtn Lion Pit	Pit Bottom	-	-	-	-	-	-
26		Pit Bottom	-	-	-	-	-	-
27		Pit slopes	-	-	-	-	-	-
28		Pit slopes	-	-	-	-	-	-
29		Pit benches	-	-	-	-	-	-
30		Pit benches	-	-	-	-	-	-
31		Pit roads	-	-	-	-	-	-
						0		$0.00
32	Mtn Lion Dump	Dump top	-	-	-	-	-	-
33		Dump top	-	-	-	-	-	-
34		Dump slopes	-	-	-	-	-	-
35		Dump slopes	-	-	-	-	-	-
36		Pit roads	-	-	-	-	-	-
						0		$0.00
37	Anthill	Borrow Area	-	-	-	-	-	-
						0		$0.00
38	Railroad Spur	Level Area	-	-	-	-	-	-
39	Railroad Spur	Level Area	-	-	-	-	-	-
						0		$0.00
40	Comstock	Pit	-	-	-	-	-	-
41		Pit benches	-	-	-	-	-	-
42		Lean Ore Stockpile	-	-	-	-	-	-
43		Lean Ore Stockpile	-	-	-	-	-	-
44		Dump Slopes	-	-	-	-	-	-
45		Dump Extension	-	-	-	-	-	-
46		Maintenance Shop area	-	-	-	-	-	-
47		Ore Handling Area	-	-	-	-	-	-
48		Road over Dump	-	-	-	-	-	-
49		Road near Load Out	-	-	-	-	-	-
50		Road to Mtn Lion Dump	-	-	-	-	-	-
51		Two small wedges	-	-	-	-	-	-
						0		$0.00
52	UI Mtn Lion/Comstock	Dump Slopes	-	-	-	-	-	-
53		Ore Handling Area-South	-	-	-	-	-	-
54		Tipple (foundation)	-	-	-	-	-	-
55		Transformer	-	-	-	-	-	-
						0		$0.00
56	To be Decided	2 for 1 Reclamation area	Caterpillar D10T	0.088	$/C.Y.	31944	C.Y.	$2,811.07
						31944		$2,811.07
					TOTAL	**64565.6**		**$5,681.77**