

Report

FINAL Total Mine Reclamation Cost Estimate Report

Easy Junior Mine Site

White Pine County, Nevada

August 4, 2003

Prepared for:

Sacramento District
Army Corps of Engineers
Restoration of Abandoned Mine Sites (RAMS)
Contract No. DACW05-00-D-006
Task Order No. 005

Prepared by:

CDM Federal Programs
Sacramento, CA
CDM Constructors Inc.
Reno, NV

Easy Junior Mine Site FINAL Total Mine Reclamation Cost Estimate Report

Contents

Section 1 Introduction

1.1	Site Location and History	1-1
1.1.1	Bond and Regulatory Status	1-2
1.2	Purpose of Total Mine Reclamation Cost Estimate	1-2

Section 2 Development of The Total Mine Reclamation Cost Estimate

2.1	Use of Existing Site Reclamation Documents.....	2-1
2.1.1	Heap Leach Pad.....	2-1
2.1.2	Cover Soil Sources	2-2
2.2	Primary and Individual Reclamation Work Areas	2-2
2.3.	Reclamation Tasks for Individual Work Areas	2-3
2.3.1	Dismantle and Remove Facilities.....	2-4
2.3.1.1	Facility Dismantling	2-4
2.3.1.2	Onsite Debris Disposal.....	2-4
2.3.1.3	Offsite Debris Disposal	2-4
2.3.1.4	Other Items	2-4
2.3.2	Regrading.....	2-5
2.3.2.1	Regrading Quantities	2-5
2.3.3	Spread Cover Soil.....	2-6
2.3.3.1	Cover Soil Depths	2-6
2.3.4	Revegetation	2-6
2.4	Environmental Protection Priority Rating	2-7

Section 3 Total Mine Reclamation Cost Estimate

3.1	Cost Estimate Components	3-1
3.1.1	Expenditure Types	3-1
3.1.1.1	Labor.....	3-1
3.1.1.2	Equipment Rental	3-1
3.1.1.3	Materials.....	3-1
3.1.1.4	Subcontracts.....	3-2
3.1.2	Contractor Supervision and Support Equipment.....	3-2
3.1.3	Contractor Overhead and Profit.....	3-2
3.1.4	Project Management and Engineering	3-2
3.1.5	NEPA Environmental Assessment	3-2

3.2	Total Mine Reclamation Cost Estimate.....	3-2
3.2.1	Prioritized Reclamation Cost Estimate.....	3-3
3.3	Alternative Heap Leach Pad Reclamation Scenario Cost Comparison	3-3

List of Figures

Figure 1-1	Site Location Map
Figure 2-1	Current Configuration Map
Figure 2-2	Reclamation Work Areas

List of Tables

Table 2-1	Inventory of Reclamation Work Areas
Table 3-1	Summary Primary Reclamation Work Area Cost Estimate
Table 3-2	Summary Individual Reclamation Work Area Cost Estimate
Table 3-3	Ranked High Environmental Protection Priority Tasks and Costs
Table 3-4	Heap Leach Pad Alternative Reclamation Scenarios

Appendices

Appendix A Reclamation Quantities & Supporting Information

A.1	Haul Road Reclamation Quantities
A.2	Heap Leach Pad Quantities
A.3	Heap Leach Pad Configuration Drawings
	C1 Leach Pad Existing Configuration
	C2 Regrading Plan 3h:1v Slope w/ Bench
	C3 Regrading Plan 3h:1v Slope (no Bench)
	C4 Regrading Plan 2.5h:1v Slope (no Bench)
A.4	Soil Borrow Location Map
	Soil Cover – Available Quantities and Requirements
A.5	Fence Reclamation Quantities and Areas

Appendix B Supporting Cost Information

B.1	Labor
B.2	Equipment
B.3	Materials
B.4	Subcontractors

Appendix C Reclamation Cost Tables

C.1	Reclamation Cost Estimate – Roll-up of Detail
C.2	Reclamation Cost Estimate – Detail
C.3	Reclamation Cost Estimate - Heap Leach Pad Regraded to 2.5h:1v no Bench
C.4	Reclamation Cost Estimate - Heap Leach Pad Regraded to 3h:1v with Bench

Section 1

Introduction

1.1 Site Location and History

The Easy Junior Mine site ("Site") is located on public lands administered by the U.S. Department of Interior, Bureau of Land Management (BLM) Ely Field Office, Ely, Nevada. The Site is located approximately 45 miles west of Ely, Nevada and 15 miles south of U.S. Highway 50 in the foothills of what is considered to be a portion of the Pancake Range. A general legal description for the Site is Township 15 North, Range 56 East, Sections 4, 5, 8, and 9, White Pine County, Nevada. Average elevation of the Site is 6,500 feet above sea level and the climate is typical of eastern Nevada. Mean annual precipitation at the Site is slightly over 9 inches, while annual free water surface evaporation is 48 inches (Alta Gold Company, 1989). Figure 1-1 shows the Site location.

No perennial surface waters exist on or near the project site. The nearest surface water is Bull Creek, 8.8 miles southeast of the Site and on the opposite side of the Pancake Range. The Site is outside of the 100-year flood plain. The mine's water supply well was drilled approximately 5 miles southeast of the mine area. Water in this aquifer is of potable quality. Water beneath the mine site occurs at approximately 1,430 feet below ground surface (NDEP, 1995a).

Permitted Site facilities included an open pit, one heap leach pad of approximately 25 acres, a barren solution pond, a settling pond, an overflow (storm) pond, a pregnant solution sump, and carbon adsorption columns. A single pit was mined with waste being used for haul road construction or hauled to the waste dump. Ore was transported to the leach pad area and either truck-dumped as run-of-mine ore or crushed and conveyed to the pad.

Modern day exploration of the Easy Junior site began in the early 1980's. The joint venture of Alta Gold Company and Echo Bay Mines explored unpatented mining claims that were leased from Lyle F. Campbell and BP Minerals.

Mining began late in 1989 and continued through 1990 with Alta Gold as the operator of the jointly-owned project. The mine was inactive during 1991 and 1992; during which Alta Gold acquired Echo Bay's interest in the property. Mining operations resumed in 1993 and continued through 1994.

Gold was extracted from ore at the Easy Junior Mine by conventional cyanide leach techniques. Leachate gravity flowed to the pregnant solution sump and was pumped through carbon adsorption columns. Barren solution was pumped back to the pad for application to the ore. Loaded carbon was transported to Alta Gold's Robinson Project for gold recovery. Leaching of ore continued through late 1996 after addition of cyanide was discontinued in October 1996. Approximately 64,000 ounces of gold were recovered during the mine life (Wilson, 2001).

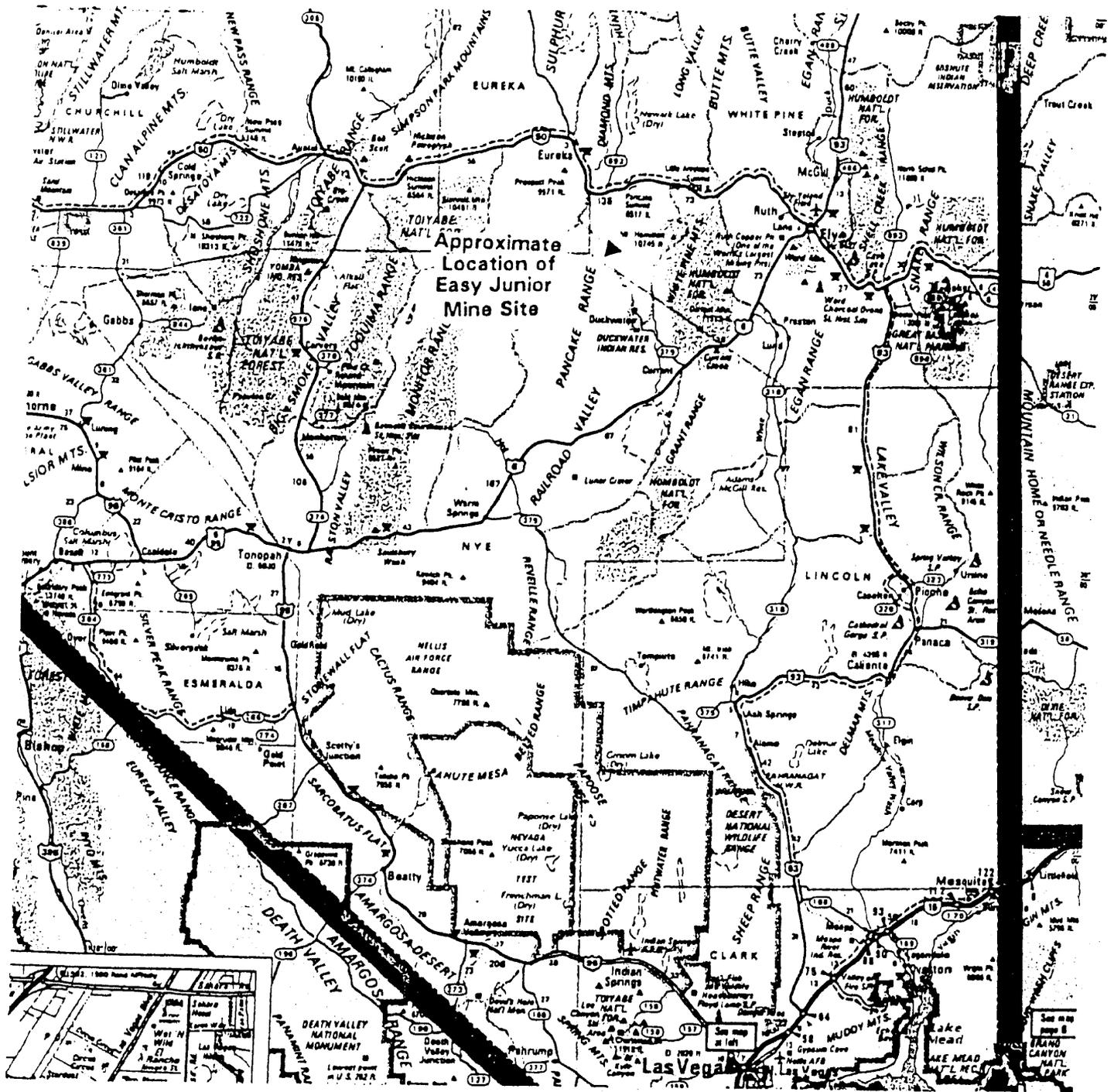
1.1.1 Bond and Regulatory Status

Following completion of active mining at the Site, Alta Gold filed bankruptcy. During the initiation of the bankruptcy proceeding, Alta Gold discontinued site reclamation; however, a surety bond was obligated in the amount of \$365,517 for reclamation of the Site (Nevada Department of Environmental Protection [NDEP], 1996a). Some concurrent reclamation was initiated for the open pit & waste dump, but a significant amount of reclamation work remains. Alta Gold submitted a reclamation plan on February 19, 1993 and addressed agency comments in a January 5, 1996 letter. A reclamation permit (number 0094) was subsequently approved by NDEP on April 24, 1996.

The NDEP Bureau of Mining Regulation and Reclamation (BMRR) issued a water pollution control permit for the Site during 1990 and renewed the permit in December 1995. A Final Permanent Closure Plan for the Site, as required by BMRR, was not on record during review of BLM files. The BMRR ensures that mining operations do not degrade water of the state and that post-mining land use goals are achieved. They also require that land impacted by mining operations be returned to safe and stable conditions (NDEP, 2001). Post-mining land use is defined as livestock grazing and wildlife grazing in Alta Gold's reclamation plan (Alta Gold, 1993a).

1.2 Purpose of Total Mine Reclamation Cost Estimate

The Final Work Plan for Easy Junior required CDM to develop a reclamation proposal and government-level cost estimate for restoration of the mine site. The total mine reclamation cost estimate was developed on a project component basis so that the BLM can use that as a guide to make decisions about Site restoration priorities based on the amount of existing bond monies for the mine site. The remaining bond amount for the Easy Junior site is stated at \$365,517.



Section 2

Development of the Total Mine Reclamation Cost Estimate

The existing Alta Gold May 27, 1999 Updated Reclamation Plan was used as the basis to develop the Site's total mine reclamation cost estimate. CDM developed the cost estimate for ten primary areas of the Site and included all reclamation work for each area in the total cost estimate. Additionally, an Environmental Protection Priority Rating of High, Medium, or Low was assigned to each individual reclamation work area to assist the BLM in prioritizing the areas to be reclaimed based on available bond money. A description of the methodology to develop the total mine reclamation cost estimate follows.

2.1 Use of Existing Site Reclamation Documents

The existing Alta Gold May 27, 1999 Updated Reclamation Plan was used as the basis to develop the Easy Junior total mine reclamation cost estimate. Volumes and disturbed acreages were based on the following maps from that report.

- Exhibit 1 - Current Configuration
- Exhibit 4 - Cross Sections
- Exhibit 5 - Original Topography

CDM believes the Exhibit 1 - Current Configuration drawing does not accurately depict the topography of the as-built leach pad and, potentially, the waste rock dump based on visual observation during the November 2002 site visit. However, attempts by the BLM to locate actual surveys of the leach pad were unsuccessful and it was decided mutually by the USACE, BLM, and CDM that the existing maps were the best information available to develop the total mine reclamation cost estimate. However, it must be noted that the existing topography may vary significantly from that shown on the Alta Gold drawings and as a result, would impact actual reclamation quantities and associated costs. Figure 2-1 shows the current Site configuration based on the Alta Gold drawings.

2.1.1 Heap Leach Pad

The leach pad in the Alta Gold drawings did not show actual topography, rather it showed the footprint of the leach pad and associated toes and crests of the ore lifts. CDM created a base topographic map of the leach pad configuration using Alta Gold Exhibit 4 - Cross Sections. Developing this topographic base map required a significant amount of interpretation due to the lack of detail provided in Exhibit 4. The base map was then digitized into AutoCAD and three leach pad recontouring scenarios were developed. The "base case" for leach pad recontouring is a 3h:1v side slope (i.e. the slope of the recontoured leach pad would rise 1 foot vertically every 3 feet horizontally) with no intermediate bench halfway up the slope. Two other cases were also evaluated: 1) a 2.5h:1v side slope with no bench and 2) a 3h:1v side slope with an intermediate bench halfway up the slope. Appendix A.3 contains the

estimated current heap leach pad configuration and the three heap leach pad reclamation scenario drawings.

2.1.2 Cover Soil Sources

Cover soil volumes were estimated for the onsite stockpile and soil borrow #1. The total cover soil available from these two sources is estimated to be adequate to reclaim the entire Site. The onsite stockpile volume was developed using the Exhibit 5 – Original Topography and Exhibit 1 - Current Configuration drawings in the Alta Gold reclamation plan. The quantity was verified using a GPS survey completed by CDM in November 2002. The volume for soil borrow area #1 was developed using the area outlined by the BLM as soil borrow area #1 and assumed an average borrow depth of 1.5 feet. CDM estimated that a 4 foot depth of soil was available in the drainage bottom in this area and 0 feet at the perimeter of the area. Therefore, an average 2 foot depth of soil over the entire borrow area was assumed. Should borrow be required from this area, the top 6 inches of soil and organics would be pushed off and stockpiled at the edges of the borrow area. Upon completion of borrow operations, the 6 inches of material would be respread over the disturbed area and reseeded. The cover soil source areas were not surveyed and estimated volumes are based on the information available. Therefore actual quantities available may vary from the estimated volume.

Estimated Cover Soil Volumes

Onsite Stockpile:	129,300 cubic yards (c.y.)
<u>Soil Borrow Area #1:</u>	<u>111,900 c.y.</u>
Total	241,200 c.y.

Quantities from soil borrow area #2b were not calculated as adequate soil is estimated to be available from the onsite stockpile and soil borrow area #1. Additionally, the soil from borrow area #2b will not be as effective in reducing infiltration into the leach pad as the other soil borrow sources due to its higher sand content. Soil borrow area #2b is also the furthest distance from the mine site and would be the highest unit cost source for cover soil. A location map of Cover Soil borrow areas is contained in Appendix A.4.

2.2 Primary and Individual Reclamation Work Areas

CDM identified ten Primary Reclamation Work Areas at the Site to develop the total mine reclamation cost. The ten areas and their corresponding codes are:

<u>Primary Reclamation Work Area</u>	<u>Code</u>
Open Pit Area	OP
Waste Dump Area	W

Haul Road Areas	HR
Crusher & Fresh Water Pond Area	C
Heap Leach Pad Area	HLP
Process Pond Area	PP
Plant, Truckshop & Office Area	PTO
Cover Soil Areas	CS
Access Roads	AR
Miscellaneous Areas	M

Each of the Primary Reclamation Work Areas was then broken down into appropriate Individual Reclamation Work Areas and a reclamation description and associated cost was developed for the individual areas. The individual costs were then summed, or “rolled-up”, to develop the overall cost estimate for each primary area.

Figure 2-2, Reclamation Work Areas, shows each of the Primary Reclamation Work Areas and their associated Individual Reclamation Work Areas. Table 2-1 identifies each of the Individual Reclamation Work Areas within the Primary Reclamation Work Areas and includes a description of the work to be performed, the regrading requirements, cover soil depth, acres to be cover soiled, volume of cover soil, acres to be revegetated, and the assigned Environmental Protection Priority rating.

2.3 Reclamation Tasks for Individual Work Areas

Each individual work area was evaluated for the following specific reclamation tasks.

1. Dismantle & Remove Facilities
2. Regrade
3. Spread Cover Soil
4. Revegetation

A general description of each of the specific reclamation tasks follows.

2.3.1 Dismantle and Remove Facilities

Most the major equipment has been previously removed from the Site. What remains is generally comprised of reinforced concrete foundations, small buildings, and miscellaneous debris typical of a mining “bone yard”.

2.3.1.1 Facility Dismantling

Except for the steel structure of the Power House (PP-2), the remaining buildings can be easily dismantled using a track excavator. The Power House will require a boom-truck-type light crane to safely remove the trusses and columns.

Foundations would be broken up into pieces that can be pushed by a dozer. This would be accomplished by a track excavator equipped with a hydraulic hammer and assisted by a supervised two-person labor crew to cut rebar as it becomes exposed during demolition.

Pond liners would be cut into manageable-sized strips and folded over the pond sludge to entomb the sludge.

2.3.1.2 Onsite Debris Disposal

The Site has a Class III Landfill Waiver from NDEP. CDM verified that non-hazardous material could be disposed of onsite in a conversation with Kurt Kolbe, BMRR, on May 29 and with Dennis LaPrairie, BMRR, on June 2, 2002. CDM believes the quickest and least expensive method to dispose of dismantled materials (debris) is in the four onsite ponds. After the pond liners are cut and folded to entomb pond sludges and then covered with a protective layer of soil, debris could be dozer-pushed into the pond without contacting the folded liner.

Heap-leach piping, emitters, and other process debris could be dismantled into manageable sizes and buried at the toe of the leach pad prior to regrading. This way, the debris is deeply buried in the heap and resides on leach pad containment.

2.3.1.3 Offsite Debris Disposal

Some materials such as batteries, paints, oils, and greases will need to be disposed of offsite and costs for subcontracting this service was included in the estimate.

The heavy equipment and small vehicle tires at the Tire Bone Yard (W-5) would also be disposed of offsite. There is opportunity for low-cost salvage of the tires by external parties. However, this estimate assumes zero value for salvage and the loading, transport and disposal is by contractor.

2.3.1.4 Other Items

The dismantling crew was estimated to be generally comprised of one Working Foreman and two Laborers. A small wheeled backhoe was allocated to the crew depending upon the task. A materials allowance for dismantling tasks was assigned at 3% of the labor cost.

There is an opportunity to reduce dismantling and disposal costs of fencing materials, pipelines, scrap metal and other items by volunteer removal and salvage. However

for completeness, contracting costs are charged for dismantling and disposal of all items and salvage value is assumed to be zero in all cost estimations.

Two leach pad components will require minor construction. First, the two leach pad off-flow sumps will require protection to ensure long-term draining of the leach pad to the heap effluent infiltration field. Second, the heap effluent distribution box requires leveling to achieve equal distribution of effluent to the infiltration field. These two small projects are further described in the "Investigation Report, Easy Junior Mine Site", CDM August 2003. For simplicity, these two "construction" projects are included with "Dismantle & Remove Facilities" rather than creating an additional reclamation task.

2.3.2 Regrading

General goals for regrading (recontouring) are to establish maximum slope steepness of 3h:1v (2.5h:1v for the alternate heap configuration), blend with surrounding topography, and minimize surface water infiltration to each facility's footprint.

Minimizing surface water run-on can be generally accomplished by finish grading the facility and its cover soil topographically higher so that surface water will run around the facility's footprint. In some cases, small water diversions will be required and these structures should be field fit during the regrading.

2.3.2.1 Regrading Quantities

All regrading quantities were estimated using the sectional "end area" method. A summary of these quantities is located in Appendix A.

Dozer Production

A Cat D-9R tractor with a Semi-U dozer was selected as an estimation basis for all mass grading work and most of the finishing grading. A Cat D-5M was specified for some smaller tasks where minimizing surface disturbance was required, such as fence road regrading.

Mass grading dozer production was estimated for five basic situations:

1. Haul Road Regrade
2. Access Road Regrade
3. Heap Regrade 3h:1v (with and without a catch bench)
4. Heap Regrade 2.5h:1v
5. General Level Regrading and Filling Ponds

All mass grading estimates were based upon the Caterpillar Performance Handbook, Edition 28. A table summarizing the various production rate calculations is included in Appendix B.2.

2.3.3 Spread Cover Soil

The previously completed revegetation work at the Site has yielded good results where adequate cover soil was placed. Areas without cover soil (eastern slopes of waste dump and general lay-down areas) have not demonstrated significant volunteer plant growth. Therefore, the total reclamation cost estimate assumes placement of cover soil for all of the disturbed areas.

2.3.3.1 Cover Soil Depths

Optimal cover soil depth for the heap leach pad that minimizes infiltration of precipitation into the heap was determined to be 12 inches based upon HELP modeling performed by CDM. Further information about the selection of the heap's soil cap can be found in "Investigation Report, Easy Junior Mine Site", CDM August 2003. Other process related locations are also estimated with 12 inches of cover soil.

The waste dump cover soil volumes are generally estimated with 8 inches of cover soil. Areas of the waste dump that have been observed to contain sulfide bearing material as evidenced by orange staining, fumaroles, and lack of vegetation were assumed to be treated with 12 inches of cover soil to minimize infiltration of precipitation into these "hot spots" on the waste rock dump.

Cover soil thicknesses are identified by Individual Reclamation Work Area in Table 2-1 and quantities are summarized in Appendix A.4. Adequate cover soil is available from the onsite stockpile and soil borrow area #1 to reclaim all areas of the Site. Furthermore, adequate cover soil is available from the onsite stockpile to reclaim the High priority areas including the heap leach pad and the unsoiled portions of the waste rock dump.

Scraper Production

A Cat 631E conventional scraper with a capacity of 25 cubic yards (c.y.) per load was selected for cost estimation. Cycle times to load, haul, dump and return were calculated for each of the Primary Reclamation Areas using the Caterpillar Performance Handbook, Edition 28. Cycle times and resulting scraper productivities are summarized in Appendix B.2.

2.3.4 Revegetation

Revegetation consists of simple broadcast seeding and harrow incorporation after cover soil is applied. The seed mixture is the same approved mix from the existing Alta Gold reclamation plan and would be broadcast at 33.5 pounds per acre. Appendix B.3 contains the seed mixture and an updated cost quote.

Incorporation of the broadcasted seed would be by on-contour harrowing with a small tractor and drag harrow. On-contour harrowing will provide horizontally aligned pockets in the cover soil to capture meteoric water and minimize rilling. This method is similar to the method Alta Gold successfully employed on the waste rock dump reclamation in 1995.

The BLM's experience in the Ely District suggests fertilizer is not required and can actually be detrimental by increasing weed growth. Therefore, the fertilizer application rate has been reduced to zero pounds/acre in the detailed cost estimate calculations.

2.4 Environmental Protection Priority Rating

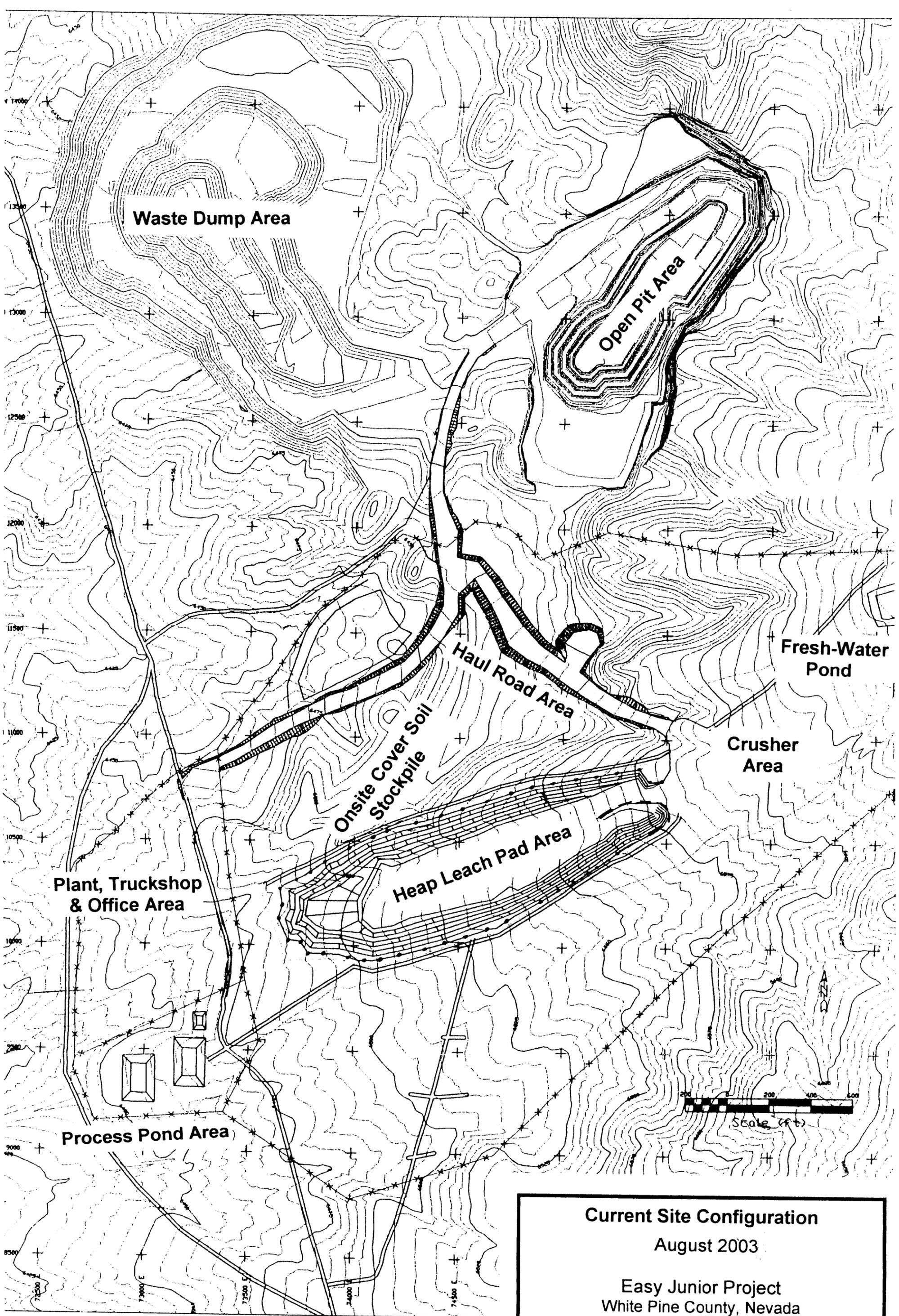
CDM assigned each Individual Reclamation Work Area an Environmental Protection Priority rating of High, Medium, or Low. These ratings were developed based on Site conditions and discussions with the BLM. The purpose of the rating is to help prioritize use of the reclamation bond money at the Site.

A High rating indicates an area that has the most potential to impact soil or groundwater due to residual process chemicals or sludge, acid generating material, or release of hazardous waste. The High rating is generally applied to the heap leach pad, unvegetated and "hot spot" portions of the waste rock dump, ponds, and areas of the site that contain small quantities of potentially hazardous material. A High rating is also given to areas that have the highest potential for threatening public safety, such as the open pit.

A Medium rating indicates an area that has a low potential for impacting soil or groundwater, but may represent areas with a high visual impact, such as haul roads and the crusher site, or represent a medium threat to public safety.

A Low rating indicates there is little or no environmental impact or threat to public safety, but should be reclaimed, if funding allows, to return the area to multiple use.

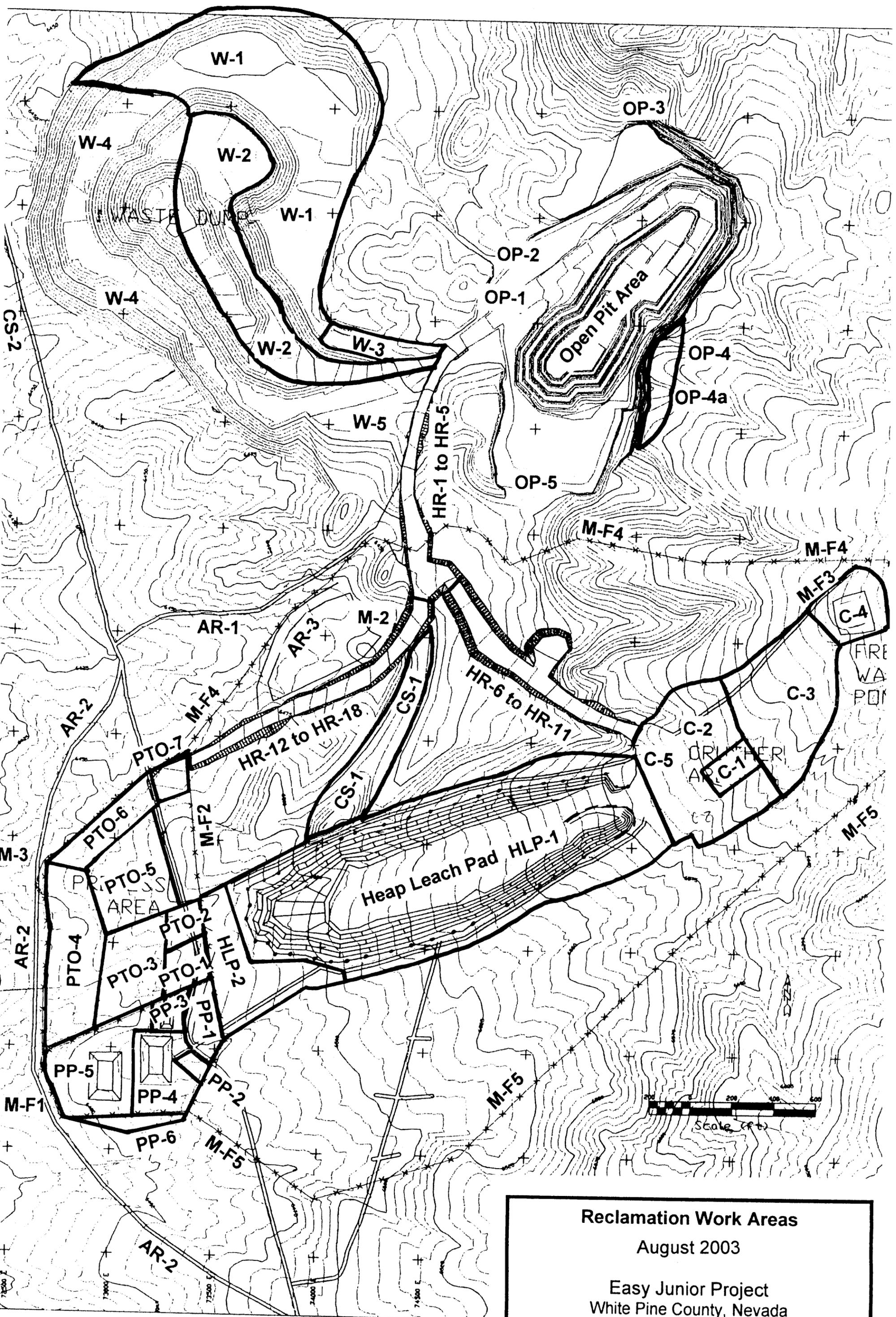
The Environmental Priority Rating for each reclamation work area is shown on Table 2-1.



Current Site Configuration
 August 2003

Easy Junior Project
 White Pine County, Nevada

CDM Figure 2-1



Reclamation Work Areas
 August 2003

 Easy Junior Project
 White Pine County, Nevada

CDM Figure 2-2

Table 2-1. Inventory of Reclamation Work Areas
Easy Junior Project

Primary Recl Work Area Individual Recl Work Area	Dismantle Facilities	Dispose of Materials	Grading		Cover Soil (cy)			Revegetation		Env Protection Prioritization
			Matl (cy)	Description	Thickness (in)	Acres	Quantity (cy)	Acres	Description	
Total Easy Junior			281,648			135.11	159,709	147.05		
Open Pit Area			400			2.45	2,668	2.45		
OP-1 West of Pit, Area of Poor Reveg Establishment	n/a	n/a	-	n/a	8.0	0.62	667	0.62	Seed & Harrow	Low
OP-2 West of Pit, Minor sulfide boils	n/a	n/a	-	n/a	12.0	0.06	100	0.06	Seed & Harrow	Medium
OP-3 North of Pit, Area of Poor Reveg Establishment	n/a	n/a	300	establish access	8.0	0.11	123	0.11	Seed & Harrow	Low
OP-4 East of Pit, Area of Poor Reveg Establishment	n/a	n/a	100	establish access	8.0	1.65	1,778	1.65	Seed & Harrow	Low
OP-4a East of Pit, Exposed Well Head	Seal exposed well head	n/a	-	n/a	0.0	-	-	-	n/a	Low
OP-5 Place Warning Signs Around Pit Perimeter	Install Warning Signs on pit perimeter (4,800 ft)	n/a	-	n/a	0.0	-	-	-	n/a	High
Waste Dump Area			20,218			34.76	42,444	34.63		
W-1 North & East Waste Dump Slopes	n/a	n/a	-	n/a	8.0	24.10	25,916	24.10	Seed & Harrow	High
W-2 Portions of Waste Dump Top	n/a	Utilize dumped lime (1cy in pile for treatment of boils or haul to leach pad	-	n/a	12.0	9.00	14,519	9.00	Seed & Harrow	High
W-3 Trench Area	n/a	n/a	20,000	Regrade slope to 3:1 and bury Trench after trash disposal	8.0	1.03	1,106	1.03	Seed & Harrow	Medium
W-4 Spot Sulfide Boils & Areas of Poor Reveg Establishment	n/a	n/a		Minimal, establish access only	12.0	0.40	644	0.27	Seed & Harrow	High
W-5 Tire Bone Yard	n/a	Haul approx 200 tires to offsite disposal	218	Minor regrade	8.0	0.24	259	0.24	Seed & Harrow	Medium
Haul Road Area			27,900			13.81	14,854	13.81		
HR-1 to HR-5 Pit & Waste Dump Intersection to Haul Road Junction	n/a	n/a	4,700	Open drainage near HR-4, Regrade slopes to 3:1	8.0	3.49	3,753	3.49	Seed & Harrow	Medium
HR-6 to HR-11 Haul Road Junction to Crusher Area	n/a	n/a	11,000	Regrade slopes to 3:1. Some uphill push near HR-9 & HR-10	8.0	5.11	5,491	5.11	Seed & Harrow	Medium
HR-12 to HR-16 Haul Road Junction to Fuel Depot	n/a	n/a	12,200	Regrade slopes to 3:1. Some uphill push near HR-15	8.0	5.22	5,610	5.22	Seed & Harrow	Medium

Table 2-1. Inventory of Reclamation Work Areas
Easy Junior Project

Primary Recl Work Area Individual Recl Work Area	Dismantle Facilities	Dispose of Materials	Grading		Cover Soil (cy)			Revegetation		Env Protection Prioritization
			Matl (cy)	Description	Thickness (in)	Acres	Quantity (cy)	Acres	Description	
Total Easy Junior			281,648			135.11	159,709	147.05		
Crusher & Fresh Water Pond Area			22,681			14.49	15,588	17.32		
C-1 Crushing Equip Area	Dismantle operator station & Breakup 4 concrete foundations	Dozer push broken materials & debris to Crusher Toe	8,681	Push down crusher slope & bury crusher debris	8.0	0.86	926	0.86	Seed & Harrow	Medium
C-2 Lower Crushing Yard	n/a	Misc debris to crusher toe	1,500	Minimal grading to smooth topo at edges	8.0	5.58	6,005	6.98	Seed & Harrow	Low
C-3 Upper Crushing Yard	n/a	Misc debris to crusher toe	1,500	Minimal grading to smooth topo at edges	8.0	5.73	6,163	7.16	Seed & Harrow	Low
C-4 Fresh Water Pond	Dismantle wood pump house	Dispose of debris in pond, cut liner & fold in	10,500	Bury liner & grade to divert runoff around pond	8.0	2.20	2,370	2.20	Seed & Harrow	High
C-5 Water Truck Stand Pipe	Dismantle standpipe & exposed pipes & valves	Dispose of pipes at Ccrusher toe	500	finish grading	8.0	0.11	123	0.11	Seed & Harrow	Low
Heap Leach Pad Area			130,300			28.25	45,573	29.10		
HLP-1 Heap, 3:1 Slope, No Bench	Dismantle leach solution pipe system & build sump drains	Haul leach pipe & emitters to toe of Heap prior to regrade	125,300	Dozer push slope to 3:1 & bury crusher debris	12.0	24.84	40,074	24.84	Seed & Harrow	High
HLP-2 Process Storage Area, SW of Heap	Level heap effluent distribution box & remove near surface liner.	Haul debris to heap toe or process ponds prior to regrading	5,000	Finish grading to insure run-off diversion away from heap area	12.0	3.41	5,499	4.26	Seed & Harrow	High
Process Pond Area			49,700			11.20	16,632	11.20		
PP-1 East of Ponds	Dismantle leach solution pipes & containment liner	Haul solution pipe & near surface liner to process ponds prior to regrade	1,000	Finish grading to insure run-off diversion away from ponds	8.0	1.47	1,580	1.47	Seed & Harrow	Medium
PP-2 Power House	Power house (24x36, dismantle steel frame & break-up concrete foundation) & remove near surface utilities	Haul debris to process ponds prior to regrading	500	Finish grading to insure run-off diversion away from heap area	12.0	0.73	1,185	0.73	Seed & Harrow	High
PP-3 Settling Pond	Pump house (15x30, concrete foundation & curb, wood frame, metal cladding), process debris, wildlife net debris & settling pond liner	Haul debris to pond, cut liner, fold-in liner & regrade	2,500	Bury folded-in liner & finish grading to insure run-off diversion away from pond area	12.0	1.07	1,719	1.07	Seed & Harrow	High
PP-4 Barren Pond	Pump house (15x30, concrete foundation & curb, wood frame, metal cladding), small lined area (36x12), misc process debris, wildlife net debris & barren pond liner	Haul debris to ponds, cut & fold in liner & regrade	21,500	Bury folded-in liner & finish grading to insure run-off diversion away from pond area	12.0	2.68	4,326	2.68	Seed & Harrow	High
PP-5 Storm Pond	Storm pond liner	Haul debris to pond (if required), cut liner, fold-in liner & regrade	23,200	Bury folded-in liner & finish grading to insure run-off diversion away from pond area	12.0	4.04	6,519	4.04	Seed & Harrow	High
PP-6 Borrow Area South of Ponds	n/a	Haul misc debris process ponds prior to regrading	1,000	Finish grading	8.0	1.21	1,304	1.21	Seed & Harrow	Low

Table 2-1. Inventory of Reclamation Work Areas
Easy Junior Project

Primary Recl Work Area Individual Recl Work Area	Dismantle Facilities	Dispose of Materials	Grading		Cover Soil (cy)			Revegetation		Env Protection Prioritization
			Matl (cy)	Description	Thickness (in)	Acres	Quantity (cy)	Acres	Description	
Total Easy Junior			281,648			135.11	159,709	147.05		
Process Plant, Truckshop & Office Area			8,250			13.70	17,897	13.70		
PTO-1 Adsorption Plant (Carbon Column) Area	Carbon Column Plant foundation (90x30, break concrete foundation & remove near surface utilities) & misc debris	Haul debris to process ponds prior to regrading	500	Finish grading to ensure run-off diversion around footprint	12.0	0.88	1,422	0.88	Seed & Harrow	High
PTO-2 Pregnant Solution Tank Area	Pregnant Solution Tank (8 ft high x 20 ft dia, steel tank. Secondary containment (30x30x4 concrete walls & foundation), tertiary HDPE liner & misc debris	Haul debris to process ponds prior to regrading	500	Finish grading to ensure run-off diversion around footprint	12.0	0.58	933	0.58	Seed & Harrow	High
PTO-3 Area South of Truck Shop	Breakup 2 concrete slabs (18x16 & 30x24) & remove near surface utilities	Haul debris to process ponds prior to regrading	750	Finish grading	8.0	2.34	2,519	2.34	Seed & Harrow	Low
PTO-4 Office Area	Breakup 2 concrete slabs (6x6 & 6x9) & remove near surface utilities	Haul debris to process ponds prior to regrading	1,000	Finish grading	8.0	3.47	3,733	3.47	Seed & Harrow	Low
PTO-5 Truck Shop Area	Breakup large concrete foundation (apprx 150x120, 1 bay with rails), remove bollards, near surface utilities	Haul debris to process ponds prior to regrading	1,500	Finish grading to ensure run-off diversion around footprint	12.0	3.82	6,163	3.82	Seed & Harrow	Medium
PTO-6 Bone Yard North of Truck Shop	n/a	Haul debris to process ponds prior to regrading	3,000	Regrade steep slopes to 3:1 & finish grading	8.0	2.00	2,149	2.00	Seed & Harrow	Medium
PTO-7 Fuel Depot Area	Remove near surface utilities, watch for contaminated soils	Haul non-contaminated debris to ponds prior to regrading. Contaminated materials stockpiled for off-site disposal	1,000	Finish grading to ensure run-off diversion around footprint	12.0	0.61	978	0.61	Seed & Harrow	Medium
Cover Soil Areas			12,000			12.68	-	12.68		
TS-1 Onsite Cover Soil Stock Pile	n/a	n/a	5,000	Finish grading after borrow is completed	0.0	3.38	-	3.38	Seed & Harrow	Medium
TS-2 Alternative Cover Soil Borrow Area	n/a	n/a	7,000	Excavate cover soil & reclaim	0.0	9.30	-	9.30	Seed & Harrow	Medium
Access Roads			6,400			3.25	3,496	6.11		
AR-1 Road to Pit, Southern Offset of Primary Pre-mine Road	n/a	n/a	1,500	Minor regrade, scarify & spot cover soil	8.0	0.41	444	1.38	Seed & Harrow	Low
AR-2 Easy Junior By-pass Road	n/a	n/a	3,900	Minor regrade, scarify & spot cover soil	8.0	2.15	2,311	3.58	Seed & Harrow	Low
AR-3 Spur Road	n/a	n/a	1,000	Minor regrade, scarify & spot cover soil	8.0	0.69	741	1.15	Seed & Harrow	Medium

Table 2-1. Inventory of Reclamation Work Areas
Easy Junior Project

Primary Recl Work Area		Dismantle Facilities	Dispose of Materials	Grading		Cover Soil (cy)			Revegetation		Env Protection Prioritization
Individual Recl Work Area				Matl (cy)	Description	Thickness (in)	Acres	Quantity (cy)	Acres	Description	
Total Easy Junior				281,648			135.11	159,709	147.05		
Miscellaneous Areas				3,800			0.52	556	6.05		
M-F1	6 ft Chain Link Fence at Process Pond Area, 2215 ft	Dismantle (salvage) 2,215 ft of 6 ft Chain Link.	Salvage usable materials. Other debris to ponds prior to regrade.	-	Grading, cover soil & reveg included w/Process Pond Area	0.0	-	-	-	Seed & Harrow	Medium
M-F2	6 ft Chain Link for Plant, Truckshop, Office & Fuel area, 2860 ft	Dismantle (salvage) 2,860 ft of 6 ft Chain Link.	Salvage usable materials. Other debris to ponds prior to regrade.	-	Grading, cover soil & reveg included w/Plant, Truckshop & Fuel Area	0.0	-	-	-	Seed & Harrow	Medium
M-F2a	6 ft Chain Link at Truckshop, 140 ft	Dismantle (salvage) 140 ft of 6 ft Chain Link.	Salvage usable materials. Other debris to ponds prior to regrade.	-	Grading, cover soil & reveg included w/Plant, Truckshop & Fuel Area	0.0	-	-	-	Seed & Harrow	Medium
M-F3	6 ft Chain Link for Fresh Water Pond, 760 ft	Dismantle (salvage) 760 ft of 6 ft Chain Link.	Salvage usable materials. Other debris to ponds prior to regrade.	-	Grading, cover soil & reveg included w/Crusher & Fresh Water Pond Area	0.0	-	-	-	Seed & Harrow	Medium
M-F4	4 ft Field Fence, Northern Portion, 4880 ft	Dismantle (salvage) 4,880 ft of 4 ft Field Fence.	Salvage usable materials. Other debris to ponds prior to regrade.	1,200	Pull-in berms, minor regrading & scarify. Assume cover soil not required.	0.0	-	-	2.52	Seed & Harrow	Medium
M-F5	5 ft Field Fence, Southern Portion, 4750 ft	Dismantle (salvage) 4,750 ft of 4 ft Field Fence.	Salvage usable materials. Other debris to ponds prior to regrade.	1,200	Pull-in berms, minor regrading & scarify. Assume cover soil not required.	0.0	-	-	2.73	Seed & Harrow	Medium
M-2	Small Bone Yard near Haul Road Junction	Dismantle small storage shed	Haul uncontaminated debris to ponds prior to regrade.	200	Minor regrading & scarify	8.0	0.17	185	0.34	Seed & Harrow	Medium
M-3	Borrow Area West of By-Pass Road	n/a	n/a	1,200	Minor regrading	8.0	0.34	370	0.46	Seed & Harrow	Low
M-4	Water Well Area										
M-5	Pipeline Route, from Water Well to Fresh Water Pond										

Section 3

Total Mine Reclamation Cost Estimate

3.1 Cost Estimate Components

The total mine reclamation cost estimate begins with the “unburdened” estimated cost of performing the actual reclamation work. The cost for the contractor’s supervision and support equipment, the contractor’s overhead and profit, project management and engineering, and the estimated cost to complete a NEPA environmental assessment was then added to the unburdened cost estimate to develop the total mine reclamation cost estimate.

As described in Section 2.3, each Individual Reclamation Work Area was evaluated for the quantity of reclamation work in the following categories.

1. Dismantle and Remove Facilities
2. Regrade
3. Spread Cover Soil
4. Revegetation

The cost to perform the work for those categories was then assigned to four Expenditure Types to develop the unburdened reclamation cost estimate.

3.1.1 Expenditure Types

3.1.1.1 Labor

Labor costs were developed using Davis - Bacon wage rates for White Pine County, Nevada for laborers, equipment operators, and working foremen. The labor rate includes burden for payroll taxes, insurance, vacation, and the Area Premium (150 – 300 mile miles from Washoe County). Details on the labor rates and Davis - Bacon wage rates are shown in Appendix B.1.

3.1.1.2 Equipment Rental

Equipment rental costs from Wheeler Machinery, the local Cat dealer in Ely, includes the most economical rental rate, either weekly or monthly, depending on the utilization of the equipment. The rate also includes fuel, oil, and wear part costs for operating the equipment. Details on the equipment rental rates are shown in Appendix B.2.

3.1.1.3 Materials

Materials include a small tools allowance at 3% of labor costs, revegetation materials including seed and miscellaneous materials that may be required for specific reclamation requirements in individual areas. Based upon BLM experience, fertilizer costs were excluded by assuming a fertilizer application rate of zero. Details on the material costs are shown in Appendix B.3.

3.1.1.4 Subcontracts

Subcontracts include offsite disposal of tires and potentially hazardous material and revegetation subcontractors for broadcasting and harrowing of seed. Details on the subcontract costs are shown in Appendix B.4.

A description of the costs that were added to the unburdened reclamation cost follows in Section 3.1.2.

3.1.2 Contractor Supervision and Support Equipment

Contractor supervision includes the Construction Superintendent and his or her vehicle. Field support equipment includes radio communication, three crew utility vehicles, a motor grader and operator to maintain roads on a part time basis, portable sanitary facilities, and surveying. For dust suppression during cover soil spreading activities, a 1,000 gallon capacity onsite water truck and operator and a 5,000 gallon capacity water truck and operator to deliver offsite-sourced water are included. The cost for mobilization and demobilization of the equipment, establishing a fuel and maintenance area, and final clean up of the Site is also included. Details on the contractor supervision and support equipment costs are located in Appendix C.2.

3.1.3 Contractor Overhead and Profit

A 10 percent markup on the unburdened reclamation costs, contractor supervision and support equipment was added for the contractor's home office overhead and profit.

3.1.4 Project Management and Engineering

A 15 percent markup on the unburdened reclamation costs, contractor supervision and support equipment, and contractor overhead and profit was added for construction oversight and plans and specifications for construction.

3.1.5 NEPA Environmental Assessment

A cost of \$15,000 was included in the total reclamation cost estimate for preparation of an environmental assessment for reclamation of the Site.

3.2 Total Mine Reclamation Cost Estimate

The Summary Primary Reclamation Work Area Cost Estimate and breakdown of total reclamation costs by Environmental Protection Prioritization rating is shown on Table 3-1. The Summary Individual Reclamation Work Area Cost Estimate and breakdown of total reclamation costs by Environmental Protection Prioritization rating is shown on Table 3-2. Appendix C.1 contains the roll-up of the detailed cost estimate prepared to summarize the Primary Reclamation Work Area costs. Appendix C.2 contains the detailed cost estimate for the Individual Reclamation Work Area.

Currently, the total mine reclamation cost estimate of approximately \$670,000 exceeds the available reclamation bond money of \$365,517 for the Site. Section 3.2.1 discusses the reclamation cost estimate for areas with a High Environmental Protection Prioritization rating.

3.2.1 Prioritized Reclamation Cost Estimate

Individual Reclamation Work Areas that received a High Environmental Protection Priority rating have been ranked in order of recommended priority in Table 3-3. The associated individual total reclamation cost and cumulative total reclamation cost for the prioritized list is also provided in the table.

Based on the results shown in Table 3-3, three main reclamation activities can be competed with the estimated available reclamation bond money amount of \$365,517:

1. Complete all tasks related to the Heap Leach Pad.
2. Finish reclamation for the waste rock dump and treat remaining hot spots.
3. Reclaim the settling and barren solution ponds.

The reclamation work that can be completed with available bond money is based on the cost estimate developed for this report. Competitive bidding of the reclamation work may provide opportunity to achieve more reclamation with the bond money than estimated by this report.

3.3 Alternative Heap Leach Pad Reclamation Scenario Cost Comparison

A total cost estimate was prepared for the two alternate leach pad reclamation scenarios. Table 3-4 shows the comparison of the base case heap leach pad reclamation scenario to the two alternatives. The detailed reclamation cost estimates for the alternative heap leach pad scenarios are in Appendix C.3 and C.4.

The base case reclamation scenario, 3h:1v side slopes with no bench, is less costly than the alternative scenario of 3h:1v side slopes with an intermediate bench. The 2.5h:1v offers only a slight cost advantage because the savings from reduced regrading quantities are offset by inefficient cover soil deployment methods required by the steeper slope.

CDM recommends construction of 3h:1v side slopes without a catch bench over the slightly less costly 2.5h:1v configuration for long-term stability, reduced erosion potential, and improved establishment of revegetated cover.

Table 3-1. Summary Primary Reclamation Work Area Cost Estimate
Easy Junior Project

Primary Work Areas	Total Reclamation							
	Defined Area (ac)	Remove Facilities/Debris	Regrade	Apply Cover Soil	Revegetation	Other	Total \$/ac	Total \$
Open Pit Area	2.45	\$9,484	\$1,241	\$3,573	\$509	\$0	\$6,045	\$14,807
Waste Dump Area	34.63	\$5,937	\$2,279	\$67,479	\$7,195	\$0	\$2,394	\$82,890
Haul Road Area	13.81	\$0	\$4,113	\$14,747	\$2,869	\$0	\$1,573	\$21,729
Crusher & Fresh Water Pond Area	17.32	\$12,813	\$6,709	\$16,736	\$3,599	\$0	\$2,301	\$39,857
Heap Leach Pad Area - 3:1 Slope, no Catch Be	29.10	\$15,121	\$29,757	\$52,518	\$6,046	\$0	\$3,555	\$103,442
Process Pond Area	11.20	\$33,799	\$15,615	\$13,395	\$2,327	\$0	\$5,814	\$65,136
Process Plant, Truckshop & Office Area	13.70	\$20,197	\$2,878	\$12,046	\$2,759	\$0	\$2,766	\$37,880
Cover Soil Areas	12.68	\$0	\$3,718	\$0	\$2,634	\$0	\$501	\$6,352
Access Roads	6.11	\$0	\$5,228	\$3,204	\$1,270	\$0	\$1,589	\$9,702
Miscellaneous Areas	6.05	\$7,346	\$1,071	\$579	\$1,258	\$0	\$1,695	\$10,254
Subtotal of Primary Work Areas	147.05	\$104,697	\$72,609	\$184,277	\$30,466	\$0	\$2,666	\$392,049
Contractor's General Items	147.05	\$0	\$0	\$0	\$0	\$124,580	\$847	\$124,580
Contractor's Overhead & Profit (10%)	147.05	\$10,470	\$7,261	\$18,428	\$3,047	\$12,458	\$351	\$51,663
Contractor's Subtotal	147.05	\$115,167	\$79,870	\$202,705	\$33,513	\$137,038	\$3,865	\$568,292
Project Management & Engineering (15%)	147.05	\$17,275	\$11,980	\$30,406	\$5,027	\$20,556	\$580	\$85,244
NEPA Environmental Assessment	147.05	\$0	\$0	\$0	\$0	\$15,000	\$102	\$15,000
Project Total	147.05	\$132,442	\$91,850	\$233,110	\$38,539	\$172,594	\$4,546	\$668,536
% of Total	n/a	19.8%	13.7%	34.9%	5.8%	25.8%	n/a	100.0%

Prioritized Reclamation								
Low			Medium			High		
Area Reclaimed (ac)	Prioritized Reclaim \$/ac	Prioritized Reclaim Cost \$	Area Reclaimed (ac)	Prioritized Reclaim \$/ac	Prioritized Reclaim Cost \$	Area Reclaimed (ac)	Prioritized Reclaim \$/ac	Prioritized Reclaim Cost \$
2.39	\$3,592	\$8,575	0.06	\$3,533	\$219	0.00	\$0	\$6,013
0.00	\$0	\$0	1.27	\$8,782	\$11,149	33.36	\$2,150	\$71,741
0.00	\$0	\$0	13.81	\$1,573	\$21,729	0.00	\$0	\$0
14.26	\$1,518	\$21,639	0.86	\$9,071	\$7,809	2.20	\$4,723	\$10,409
0.00	\$0	\$0	0.00	\$0	\$0	29.10	\$3,555	\$103,442
1.21	\$1,595	\$1,933	1.47	\$2,177	\$3,199	8.52	\$7,041	\$60,004
5.81	\$1,663	\$9,665	6.42	\$2,946	\$18,929	1.46	\$6,360	\$9,286
0.00	\$0	\$0	12.68	\$501	\$6,352	0.00	\$0	\$0
4.96	\$1,572	\$7,794	1.15	\$1,662	\$1,908	0.00	\$0	\$0
0.46	\$1,975	\$907	5.59	\$1,672	\$9,347	0.00	\$0	\$0
29.09	\$1,737	\$50,513	43.31	\$1,862	\$80,641	74.65	\$3,495	\$260,895
29.09	\$552	\$16,051	43.31	\$592	\$25,625	74.65	\$1,111	\$82,904
29.09	\$229	\$6,656	43.31	\$245	\$10,627	74.65	\$461	\$34,380
29.09	\$2,517	\$73,221	43.31	\$2,699	\$116,893	74.65	\$5,066	\$378,179
29.09	\$378	\$10,983	43.31	\$405	\$17,534	74.65	\$760	\$56,727
29.09	\$0	\$0	43.31	\$0	\$0	74.65	\$201	\$15,000
29.09	\$2,895	\$84,204	43.31	\$3,104	\$134,426	74.65	\$6,027	\$449,905
19.8%	n/a	12.6%	29.5%	n/a	20.1%	50.8%	n/a	67.3%

Table 3-2. Summary Individual Reclamation Work Area Cost Estimate
Easy Junior Project

	Total Reclamation								Prioritized Reclamation										
	Defined Area (ac)	Remove Facilities/Debris	Regrade	Apply Cover Soil	Revegetation	Other	Total \$/ac	Total \$	Env Protection Prioritization	Low			Medium			High			
										Area Reclaimed (ac)	Prioritized Reclaim \$/ac	Prioritized Reclaim Cost \$	Area Reclaimed (ac)	Prioritized Reclaim \$/ac	Prioritized Reclaim Cost \$	Area Reclaimed (ac)	Prioritized Reclaim \$/ac	Prioritized Reclaim Cost \$	
Open Pit Area																			
OP-1	West of Pit, Area of Poor Reveg Establishment	0.62	n/a	n/a	\$870	\$129	n/a	\$1,612	\$999	Low	0.62	\$1,612	\$999	0.00	\$0	\$0	0.00	\$0	\$0
OP-2	West of Pit, Minor sulfide boils	0.06	n/a	n/a	\$206	\$13	n/a	\$3,533	\$219	Medium	0.00	\$0	\$0	0.06	\$3,533	\$219	0.00	\$0	\$0
OP-3	North of Pit, Area of Poor Reveg Establishment	0.11	n/a	\$532	\$233	\$24	n/a	\$6,874	\$789	Low	0.11	\$6,874	\$789	0.00	\$0	\$0	0.00	\$0	\$0
OP-4	East of Pit, Area of Poor Reveg Establishment	1.65	n/a	\$709	\$2,264	\$343	n/a	\$2,006	\$3,316	Low	1.65	\$2,006	\$3,316	0.00	\$0	\$0	0.00	\$0	\$0
OP-4a	East of Pit, Exposed Well Head	0.00	\$3,471	n/a	n/a	n/a	n/a	\$0	\$3,471	Low	0.00	\$0	\$3,471	0.00	\$0	\$0	0.00	\$0	\$0
OP-5	Place Warning Signs around Pit Perimeter	0.00	\$6,013	n/a	n/a	n/a	n/a	\$0	\$6,013	High	0.00	\$0	\$0	0.00	\$0	\$0	0.00	\$0	\$6,013
Open Pit Area		2.45	\$9,484	\$1,241	\$3,573	\$509	\$0	\$6,045	\$14,807	n/a	2.39	\$3,592	\$8,575	0.06	\$3,533	\$219	0.00	\$0	\$6,013
Waste Dump Area																			
W-1	North & East Waste Dump Slopes	24.10	n/a	n/a	\$40,648	\$5,006	n/a	\$1,895	\$45,654	High	0.00	\$0	\$0	0.00	\$0	\$0	24.10	\$1,895	\$45,654
W-2	Portions of Waste Dump Top	9.00	n/a	n/a	\$22,664	\$1,870	n/a	\$2,726	\$24,534	High	0.00	\$0	\$0	0.00	\$0	\$0	9.00	\$2,726	\$24,534
W-3	Trench Area	1.03	n/a	\$2,279	\$1,837	\$214	n/a	\$4,210	\$4,330	Medium	0.00	\$0	\$0	1.03	\$4,210	\$4,330	0.00	\$0	\$0
W-4	Spot Sulfide Boils & Areas of Poor Reveg Establishment	0.27	n/a	n/a	\$1,498	\$55	n/a	\$5,832	\$1,553	High	0.00	\$0	\$0	0.00	\$0	\$0	0.27	\$5,832	\$1,553
W-5	Tire Bone Yard	0.24	\$5,937	n/a	\$832	\$50	n/a	\$28,289	\$6,819	Medium	0.00	\$0	\$0	0.24	\$28,289	\$6,819	0.00	\$0	\$0
Waste Dump Area		34.63	\$5,937	\$2,279	\$67,479	\$7,195	\$0	\$2,394	\$82,890	n/a	0.00	\$0	\$0	1.27	\$8,782	\$11,149	33.36	\$2,150	\$71,741
Haul Road Area																			
HR-1 to HR-5	Pit & Waste Dump Intersection to Haul Road Junction	3.49	n/a	\$838	\$3,897	\$725	n/a	\$1,565	\$5,460	Medium	0.00	\$0	\$0	3.49	\$1,565	\$5,460	0.00	\$0	\$0
HR-6 to HR-11	Haul Road Junction to Crusher Area	5.11	n/a	\$1,487	\$5,375	\$1,060	n/a	\$1,552	\$7,922	Medium	0.00	\$0	\$0	5.11	\$1,552	\$7,922	0.00	\$0	\$0
HR-12 to HR-16	Haul Road Junction to Fuel Depot	5.22	n/a	\$1,788	\$5,475	\$1,084	n/a	\$1,600	\$8,347	Medium	0.00	\$0	\$0	5.22	\$1,600	\$8,347	0.00	\$0	\$0
Haul Road Area		13.81	\$0	\$4,113	\$14,747	\$2,869	\$0	\$1,573	\$21,729	n/a	0.00	\$0	\$0	13.81	\$1,573	\$21,729	0.00	\$0	\$0
Crusher & Fresh Water Pond Area																			
C-1	Crushing Equip Area	0.86	\$5,313	\$1,248	\$1,069	\$179	n/a	\$9,071	\$7,809	Medium	0.00	\$0	\$0	0.86	\$9,071	\$7,809	0.00	\$0	\$0
C-2	Lower Crushing Yard	6.98	\$1,221	\$797	\$6,349	\$1,450	n/a	\$1,407	\$9,817	Low	6.98	\$1,407	\$9,817	0.00	\$0	\$0	0.00	\$0	\$0
C-3	Upper Crushing Yard	7.16	\$1,221	\$797	\$6,513	\$1,488	n/a	\$1,399	\$10,019	Low	7.16	\$1,399	\$10,019	0.00	\$0	\$0	0.00	\$0	\$0
C-4	Fresh Water Pond	2.20	\$3,749	\$3,631	\$2,571	\$458	n/a	\$4,723	\$10,409	High	0.00	\$0	\$0	0.00	\$0	\$0	2.20	\$4,723	\$10,409
C-5	Water Truck Stand Pipe	0.11	\$1,309	\$236	\$234	\$24	n/a	\$15,708	\$1,803	Low	0.11	\$15,708	\$1,803	0.00	\$0	\$0	0.00	\$0	\$0
Crusher & Fresh Water Pond Area		17.32	\$12,813	\$6,709	\$16,736	\$3,599	\$0	\$2,301	\$39,857	n/a	14.26	\$1,518	\$21,639	0.86	\$9,071	\$7,809	2.20	\$4,723	\$10,409

Table 3-2. Summary Individual Reclamation Work Area Cost Estimate
Easy Junior Project

	Total Reclamation								Prioritized Reclamation								
	Defined Area (ac)	Remove Facilities/Debris	Regrade	Apply Cover Soil	Revegetation	Other	Total \$/ac	Total \$	Low			Medium			High		
									Env Protection Prioritization	Area Reclaimed (ac)	Prioritized Reclaim \$/ac	Prioritized Reclaim Cost \$	Area Reclaimed (ac)	Prioritized Reclaim \$/ac	Prioritized Reclaim Cost \$	Area Reclaimed (ac)	Prioritized Reclaim \$/ac

Heap Leach Pad Area - 3:1 Slope, no Catch Bench

HLP-1	Heap, 3:1 Slope, No Bench	24.84	\$11,193	\$27,927	\$49,025	\$5,160	n/a	\$3,756	\$93,305	High	0.00	\$0	\$0	0.00	\$0	\$0	24.84	\$3,756	\$93,305
HLP-2	Process Storage Area, SW of Heap	4.26	\$3,928	\$1,830	\$3,493	\$886	n/a	\$2,379	\$10,137	High	0.00	\$0	\$0	0.00	\$0	\$0	4.26	\$2,379	\$10,137
Heap Leach Pad Area - 3:1 Slope, no Catch Bench		29.10	\$15,121	\$29,757	\$52,518	\$6,046	\$0	\$3,555	\$103,442	n/a	0.00	\$0	\$0	0.00	\$0	\$0	29.10	\$3,555	\$103,442

Process Pond Area

PP-1	East of Ponds	1.47	\$1,221	\$385	\$1,288	\$305	n/a	\$2,177	\$3,199	Medium	0.00	\$0	\$0	1.47	\$2,177	\$3,199	0.00	\$0	\$0
PP-2	Power House	0.73	\$8,178	\$236	\$981	\$153	n/a	\$12,997	\$9,548	High	0.00	\$0	\$0	0.00	\$0	\$0	0.73	\$12,997	\$9,548
PP-3	Settling Pond	1.07	\$10,779	\$915	\$1,475	\$221	n/a	\$12,570	\$13,390	High	0.00	\$0	\$0	0.00	\$0	\$0	1.07	\$12,570	\$13,390
PP-4	Barren Pond	2.68	\$9,458	\$6,700	\$3,449	\$557	n/a	\$7,520	\$20,164	High	0.00	\$0	\$0	0.00	\$0	\$0	2.68	\$7,520	\$20,164
PP-5	Storm Pond	4.04	\$3,531	\$7,379	\$5,153	\$839	n/a	\$4,183	\$16,902	High	0.00	\$0	\$0	0.00	\$0	\$0	4.04	\$4,183	\$16,902
PP-6	Borrow Area South of Ponds	1.21	\$632	n/a	\$1,049	\$252	n/a	\$1,595	\$1,933	Low	1.21	\$1,595	\$1,933	0.00	\$0	\$0	0.00	\$0	\$0
Process Pond Area		11.20	\$33,799	\$15,615	\$13,395	\$2,327	\$0	\$5,814	\$65,136	n/a	1.21	\$1,595	\$1,933	1.47	\$2,177	\$3,199	8.52	\$7,041	\$60,004

Process Plant, Truckshop & Office Area

PTO-1	Adsorption Plant (Carbon Column) Area	0.88	\$2,570	\$236	\$953	\$183	n/a	\$4,472	\$3,942	High	0.00	\$0	\$0	0.00	\$0	\$0	0.88	\$4,472	\$3,942
PTO-2	Pregnant Solution Tank Area	0.58	\$4,399	\$236	\$674	\$35	n/a	\$9,237	\$5,344	High	0.00	\$0	\$0	0.00	\$0	\$0	0.58	\$9,237	\$5,344
PTO-3	Area South of Truck Shop	2.34	\$1,635	\$310	\$1,708	\$486	n/a	\$1,768	\$4,139	Low	2.34	\$1,768	\$4,139	0.00	\$0	\$0	0.00	\$0	\$0
PTO-4	Office Area	3.47	\$1,887	\$295	\$2,623	\$721	n/a	\$1,592	\$5,526	Low	3.47	\$1,592	\$5,526	0.00	\$0	\$0	0.00	\$0	\$0
PTO-5	Truck Shop Area	3.82	\$7,800	\$620	\$3,923	\$793	n/a	\$3,439	\$13,136	Medium	0.00	\$0	\$0	3.82	\$3,439	\$13,136	0.00	\$0	\$0
PTO-6	Bone Yard North of Truck Shop	2.00	\$1,221	\$709	\$1,483	\$415	n/a	\$1,916	\$3,828	Medium	0.00	\$0	\$0	2.00	\$1,916	\$3,828	0.00	\$0	\$0
PTO-7	Fuel Depot Area	0.61	\$685	\$472	\$682	\$126	n/a	\$3,242	\$1,965	Medium	0.00	\$0	\$0	0.61	\$3,242	\$1,965	0.00	\$0	\$0
Process Plant, Truckshop & Office Area		13.70	\$20,197	\$2,878	\$12,046	\$2,759	\$0	\$2,766	\$37,880	n/a	5.81	\$1,663	\$9,665	6.42	\$2,946	\$18,929	1.46	\$6,360	\$9,286

Cover Soil Areas

TS-1	Onsite Cover Soil Stock Pile	3.38	n/a	\$1,564	n/a	\$702	n/a	\$671	\$2,266	Medium	0.00	\$0	\$0	3.38	\$671	\$2,266	0.00	\$0	\$0
TS-2	Alternative Cover Soil Borrow Area	9.30	n/a	\$2,154	n/a	\$1,932	n/a	\$439	\$4,086	Medium	0.00	\$0	\$0	9.30	\$439	\$4,086	0.00	\$0	\$0
Cover Soil Areas		12.68	\$0	\$3,718	\$0	\$2,634	\$0	\$501	\$6,352	n/a	0.00	\$0	\$0	12.68	\$501	\$6,352	0.00	\$0	\$0

Table 3-2. Summary Individual Reclamation Work Area Cost Estimate
Easy Junior Project

	Total Reclamation								Prioritized Reclamation										
	Defined Area (ac)	Remove Facilities/Debris	Regrade	Apply Cover Soil	Revegetation	Other	Total \$/ac	Total \$	Env Protection Prioritization	Low			Medium			High			
										Area Reclaimed (ac)	Prioritized Reclaim \$/ac	Prioritized Reclaim Cost \$	Area Reclaimed (ac)	Prioritized Reclaim \$/ac	Prioritized Reclaim Cost \$	Area Reclaimed (ac)	Prioritized Reclaim \$/ac	Prioritized Reclaim Cost \$	
Access Roads																			
AR-1	Road to Pit, Southern Offset of Primary Pre-mine Road	1.38	n/a	\$1,269	\$439	\$287	n/a	\$1,448	\$1,995	Low	1.38	\$1,448	\$1,995	0.00	\$0	\$0	0.00	\$0	\$0
AR-2	Easy Junior By-pass Road	3.58	n/a	\$3,053	\$2,002	\$744	n/a	\$1,619	\$5,799	Low	3.58	\$1,619	\$5,799	0.00	\$0	\$0	0.00	\$0	\$0
AR-3	Spur Road	1.15	n/a	\$906	\$763	\$239	n/a	\$1,662	\$1,908	Medium	0.00	\$0	\$0	1.15	\$1,662	\$1,908	0.00	\$0	\$0
Access Roads		6.11	\$0	\$5,228	\$3,204	\$1,270	\$0	\$1,589	\$9,702	n/a	4.96	\$1,572	\$7,794	1.15	\$1,662	\$1,908	0.00	\$0	\$0
Miscellaneous Areas																			
M-F1	6 ft Chain Link Fence at Process Pond Area, 2215 ft	0.00	\$1,775	n/a	n/a	n/a	n/a	\$0	\$1,775	Medium	0.00	\$0	\$0	0.00	\$0	\$1,775	0.00	\$0	\$0
M-F2	6 ft Chain Link for Plant, Truckshop, Office & Fuel area, 2860 ft	0.00	\$2,292	n/a	n/a	n/a	n/a	\$0	\$2,292	Medium	0.00	\$0	\$0	0.00	\$0	\$2,292	0.00	\$0	\$0
M-F2a	6 ft Chain Link at Truckshop, 140 ft	0.00	\$113	n/a	n/a	n/a	n/a	\$0	\$113	Medium	0.00	\$0	\$0	0.00	\$0	\$113	0.00	\$0	\$0
M-F3	6 ft Chain Link for Fresh Water Pond, 760 ft	0.00	\$609	n/a	n/a	n/a	n/a	\$0	\$609	Medium	0.00	\$0	\$0	0.00	\$0	\$609	0.00	\$0	\$0
M-F4	4 ft Field Fence, Northern Portion, 4880 ft	2.52	\$992	\$267	n/a	\$523	n/a	\$707	\$1,782	Medium	0.00	\$0	\$0	2.52	\$707	\$1,782	0.00	\$0	\$0
M-F5	5 ft Field Fence, Southern Portion, 4750 ft	2.73	\$965	\$267	n/a	\$567	n/a	\$660	\$1,799	Medium	0.00	\$0	\$0	2.73	\$660	\$1,799	0.00	\$0	\$0
M-2	Small Bone Yard near Haul Road Junction	0.34	\$600	\$94	\$211	\$72	n/a	\$2,837	\$977	Medium	0.00	\$0	\$0	0.34	\$2,837	\$977	0.00	\$0	\$0
M-3	Borrow Area West of By-Pass Road	0.46	n/a	\$443	\$368	\$96	n/a	\$1,975	\$907	Low	0.46	\$1,975	\$907	0.00	\$0	\$0	0.00	\$0	\$0
Miscellaneous Areas		6.05	\$7,346	\$1,071	\$579	\$1,258	\$0	\$1,695	\$10,254	n/a	0.46	\$1,975	\$907	5.59	\$1,672	\$9,347	0.00	\$0	\$0
Subtotal of All Work Areas		147.05	\$104,697	\$72,609	\$184,277	\$30,466	\$0	\$2,666	\$392,049	n/a	29.09	\$1,737	\$50,513	43.31	\$1,862	\$80,641	74.65	\$3,495	\$260,895
% of Total		n/a	26.7%	18.5%	47.0%	7.8%	0.0%	n/a	100.0%	n/a	19.8%	n/a	12.9%	29.5%	n/a	20.6%	50.8%	n/a	66.5%

Table 3-2. Summary Individual Reclamation Work Area Cost Estimate
Easy Junior Project

	Total Reclamation								Prioritized Reclamation									
	Defined Area (ac)	Remove Facilities/Debris	Regrade	Apply Cover Soil	Revegetation	Other	Total \$/ac	Total \$	Env Protection Prioritization	Low			Medium			High		
										Area Reclaimed (ac)	Prioritized Reclaim \$/ac	Prioritized Reclaim Cost \$	Area Reclaimed (ac)	Prioritized Reclaim \$/ac	Prioritized Reclaim Cost \$	Area Reclaimed (ac)	Prioritized Reclaim \$/ac	Prioritized Reclaim Cost \$

Contractor's General Items

GC-1 Contractor's Supervision	147.05	n/a	n/a	n/a	n/a	\$42,858	\$291	\$42,858	n/a	29.09	\$190	\$5,522	43.31	\$204	\$8,816	74.65	\$382	\$28,521
GC-2 Field Support	147.05	n/a	n/a	n/a	n/a	\$62,473	\$425	\$62,473	n/a	29.09	\$277	\$8,049	43.31	\$297	\$12,850	74.65	\$557	\$41,574
GC-3 Mob & Demob	147.05	n/a	n/a	n/a	n/a	\$19,249	\$131	\$19,249	n/a	29.09	\$85	\$2,480	43.31	\$91	\$3,959	74.65	\$172	\$12,810
Contractor's General Items	147.05	\$0	\$0	\$0	\$0	\$124,580	\$847	\$124,580	n/a	29.09	\$552	\$16,051	43.31	\$592	\$25,625	74.65	\$1,111	\$82,904
% of Total	n/a	0.0%	0.0%	0.0%	0.0%	100.0%	n/a	100.0%	n/a	19.8%	n/a	12.9%	29.5%	n/a	20.6%	50.8%	n/a	66.5%

Contractor Subtotal

Subtotal of All Work Areas	147.05	\$104,697	\$72,609	\$184,277	\$30,466	\$0	\$2,666	\$392,049	n/a	29.09	\$1,737	\$50,513	43.31	\$1,862	\$80,641	74.65	\$3,495	\$260,895
Contractor's General Items	147.05	\$0	\$0	\$0	\$0	\$124,580	\$847	\$124,580	n/a	29.09	\$552	\$16,051	43.31	\$592	\$25,625	74.65	\$1,111	\$82,904
Contractor's Overhead & Profit (10%)	147.05	\$10,470	\$7,261	\$18,428	\$3,047	\$12,458	\$351	\$51,663	n/a	29.09	\$229	\$6,656	43.31	\$245	\$10,627	74.65	\$461	\$34,380
Contractor Subtotal	147.05	\$115,167	\$79,870	\$202,705	\$33,513	\$137,038	\$3,865	\$568,292	n/a	29.09	\$2,517	\$73,221	43.31	\$2,699	\$116,893	74.65	\$5,066	\$378,179
% of Total	n/a	20.3%	14.1%	35.7%	5.9%	24.1%	n/a	100.0%	n/a	19.8%	n/a	12.9%	29.5%	n/a	20.6%	50.8%	n/a	66.5%

Project Total

Contractor Subtotal	147.05	\$115,167	\$79,870	\$202,705	\$33,513	\$137,038	\$3,865	\$568,292	n/a	29.09	\$2,517	\$73,221	43.31	\$2,699	\$116,893	74.65	\$5,066	\$378,179
Project Management & Engineering (15%)	147.05	\$17,275	\$11,980	\$30,406	\$5,027	\$20,556	\$580	\$85,244	n/a	29.09	\$378	\$10,983	43.31	\$405	\$17,534	74.65	\$760	\$56,727
NEPA Environmental Assessment	147.05	\$0	\$0	\$0	\$0	\$15,000	\$102	\$15,000	n/a	29.09	\$0	\$0	43.31	\$0	\$0	74.65	\$201	\$15,000
Project Total	147.05	\$132,442	\$91,850	\$233,110	\$38,539	\$172,594	\$4,546	\$668,536	n/a	29.09	\$2,895	\$84,204	43.31	\$3,104	\$134,426	74.65	\$6,027	\$449,905
% of Total	n/a	19.8%	13.7%	34.9%	5.8%	25.8%	n/a	100.0%	n/a	19.8%	n/a	12.6%	29.5%	n/a	20.1%	50.8%	n/a	67.3%

Table 3-3. Ranked High Environmental Protection Priority Tasks Costs
Easy Junior Project

					Area Specific Reclamation Cost						Allocation of Non-Area-Specific Costs						"All-In" Recl Cost	
Rank	Individual Work Area	Defined Area (ac)	Env Protection	Defined Area (ac)	Remove Facilities/Debris	Regrade	Apply Cover Soil	Revegetation	Total \$/ac	Total \$	Work Area Cost Frac	Other	Contactors Gen Items	Contractor OHP	Project Management	Total	Total	Cum Total
		Prepare NEPA EA Document	n/a	n/a	0	0	0	0	n/a	0	0.00%	\$15,000	\$0	\$0	\$0	\$15,000	\$15,000	\$15,000
1	HLP-1	Heap, 3:1 Slope, No Bench	High	24.84	11,193	27,927	49,025	5,160	3,756	93,305	23.80%	n/a	\$29,649	\$12,295	\$20,287	\$62,232	\$155,537	\$170,537
2	HLP-2	Process Storage Area, SW of Heap	High	4.26	3,928	1,830	3,493	886	2,379	10,137	2.59%	n/a	\$3,221	\$1,336	\$2,204	\$6,761	\$16,898	\$187,435
3	W-1	North & East Waste Dump Slopes	High	24.10	n/a	n/a	40,648	5,006	1,895	45,654	11.64%	n/a	\$14,507	\$6,016	\$9,927	\$30,450	\$76,104	\$263,539
4	W-2	Portions of Waste Dump Top	High	9.00	n/a	n/a	22,664	1,870	2,726	24,534	6.26%	n/a	\$7,796	\$3,233	\$5,334	\$16,364	\$40,898	\$304,437
5	W-4	Spot Sulfide Boils & Areas of Poor Reveg Establishment	High	0.27	n/a	n/a	1,498	55	5,832	1,553	0.40%	n/a	\$493	\$205	\$338	\$1,036	\$2,589	\$307,026
6	PP-3	Settling Pond	High	1.07	10,779	915	1,475	221	12,570	13,390	3.42%	n/a	\$4,255	\$1,764	\$2,911	\$8,931	\$22,321	\$329,346
7	PP-4	Barren Pond	High	2.68	9,458	6,700	3,449	557	7,520	20,164	5.14%	n/a	\$6,407	\$2,657	\$4,384	\$13,449	\$33,613	\$362,959
8	PP-5	Storm Pond	High	4.04	3,531	7,379	5,153	839	4,183	16,902	4.31%	n/a	\$5,371	\$2,227	\$3,675	\$11,273	\$28,175	\$391,134
9	PTO-2	Pregnant Solution Tank Area	High	0.58	4,399	236	674	35	9,237	5,344	1.36%	n/a	\$1,698	\$704	\$1,162	\$3,564	\$8,908	\$400,043
10	C-4	Fresh Water Pond	High	2.20	3,749	3,631	2,571	458	4,723	10,409	2.66%	n/a	\$3,308	\$1,372	\$2,263	\$6,943	\$17,352	\$417,394
11	PP-2	Power House	High	0.73	8,178	236	981	153	12,997	9,548	2.44%	n/a	\$3,034	\$1,258	\$2,076	\$6,368	\$15,916	\$433,311
12	PTO-1	Adsorption Plant (Carbon Column) Area	High	0.88	2,570	236	953	183	4,472	3,942	1.01%	n/a	\$1,253	\$519	\$857	\$2,629	\$6,571	\$439,882
13	OP-5	Place Warning Signs around Pit Perimeter	High	0.00	6,013	n/a	n/a	n/a	0	6,013	1.53%	n/a	\$1,911	\$792	\$1,307	\$4,011	\$10,024	\$449,905
				74.65	63,798	49,090	132,584	15,423	3,495	260,895	66.55%	\$15,000	\$82,904	\$34,380	\$56,727	\$189,010	\$449,905	

Table 3-4. Heap Leach Pad Alternate Reclamation Scenarios

Easy Junior Project

Configuration & Quantities

	Steep	Base Case	Shallow
Regraded Slope	2.5 to 1	3 to 1	3 to 1
Catch Bench	No	No	Yes
Area (ac)	22.07 -11.1%	24.84 Base Case	26.91 8.3%
Dozer Regrade (cy)	107,900 -13.9%	125,300 Base Case	158,600 26.6%
Dozer Productivity (cy/hr)	1,080 18.7%	910 Base Case	910 0.0%
12 inch Cover Soil Quantity (cy)	35,610 -11.1%	40,070 Base Case	43,420 8.4%

Costs

Dismantle & Dispose of Pipelines & Emitters	\$11,193 0.0%	\$11,193 Base Case	\$11,193 0.0%
Regrade Heap	\$21,235 -24.0%	\$27,927 Base Case	\$34,408 23.2%
Apply Cover Soil	\$54,272 10.7%	\$49,025 Base Case	\$52,969 8.0%
Broadcast & Harrow Fertilizer & Seed	\$4,585 -11.1%	\$5,160 Base Case	\$5,591 8.4%
Total Cost	\$91,285 (\$2,020) -2.2%	\$93,305 n/a Base Case	\$104,161 \$10,856 11.6%

Appendix A

RECLAMATION QUANTITIES and SUPPORTING INFORMATION

Appendix A.1

Haul Road Reclamation Quantities

Haul Road Reclamation Quantities Easy Junior Project

Segment	Material Regrading Volumes						Disturbed Areas after Regrading		
	Left End	Right End	Left End (sqft)	Right End (sqft)	Length (ft)	Regrade Volume (cy)	Planix 7 (sqin)	Map Scale (ft/in)	Plan Area (acres)
Pit to Junction									
HR-1	9c	9b	-	20	160	59	0.10	400	0.37
HR-2	9b	9a	20	40	220	244	0.14	400	0.51
HR-3	9a	9	40	20	240	267	0.11	400	0.40
HR-4	9	10	20	104	280	643	0.18	400	0.66
HR-5	10	11a	104	480	320	3,461	0.42	400	1.54
Total	4,674						0.95		3.49
Junction to Crusher									
HR-6	11a	11	480	492	150	2,700	0.16	400	0.59
HR-7	11	12	492	396	220	3,618	0.29	400	1.07
HR-8	12	13	396	47	330	2,707	0.33	400	1.21
HR-8a	15a	15b	20	20	300	222	0.28	400	1.03
HR-9	13	13a	47	220	200	989	0.20	400	0.73
HR-10	13a	14	220	44	130	636	0.08	400	0.29
HR-11	14	14a	44	-	100	81	0.05	400	0.18
Total	10,953						1.39		5.11
Junction to Fuel Depot									
HR-12	8a	8b	480	300	380	5,489	0.40	400	1.47
HR-13	8b	8	300	47	270	1,735	0.32	400	1.18
HR-14	8	7	47	300	350	2,249	0.32	400	1.18
HR-15	7	6	300	150	240	2,000	0.21	400	0.77
HR-16	6	6a	150	40	200	704	0.17	400	0.62
Total	12,177						1.42		5.22
Total Haul Roads						27,804			13.81

Appendix A.2

Heap Leach Pad Quantities

Heap Leach Pad Reclamation Quantities Easy Junior Project

	Area after Regrade		Recontour Vol	12 inch Soil Cover Vol	18 inch Soil Cover Vol
	sqft	ac			
Existing Heap	935,270	21.47	n/a	n/a	n/a
Heap Leach Pad Regrade: 3:1 Slope, no Bench	1,081,890	24.84	125,300	40,070	60,110
Heap Leach Pad Regrade: 3:1 Slope with Bench	1,172,220	26.91	158,600	43,420	65,120
Heap Leach Pad Regrade: 2.5:1 Slope, no Bench	961,550	22.07	107,900	35,610	53,420

Appendix A.3

Heap Leach Pad Configuration Drawings

C1 – Leach Pad Existing Configuration

C2 –Regrading Plan 3h:1v Slope w/ Bench

C3 –Regrading Plan 3h:1v Slope (no Bench)

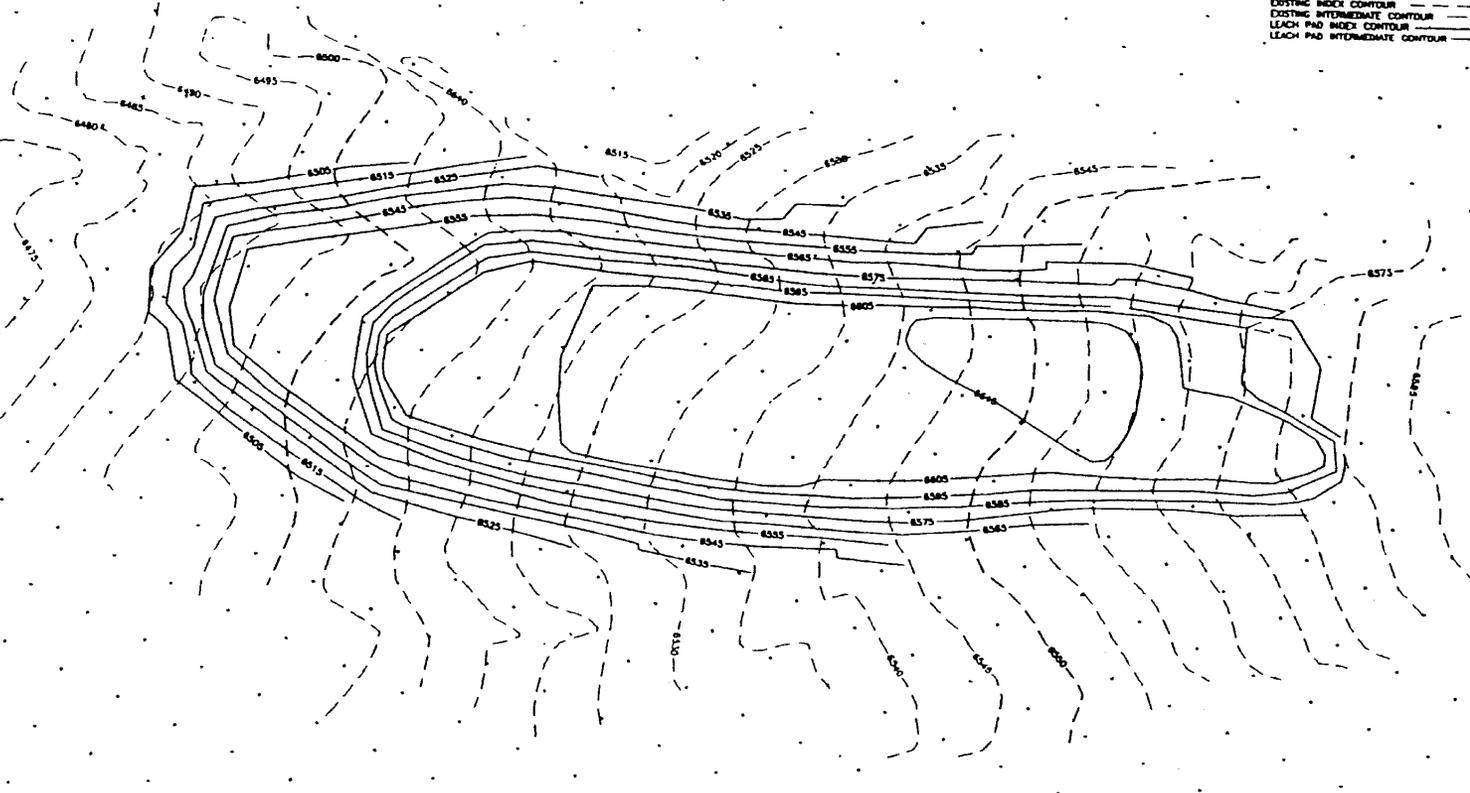
C4 –Regrading Plan 2.5h:1v Slope (no Bench)

P:\Land Projects\2003\3097E\J\dep\38971-C1.dwg 05/09/2003 02:24:53 PM MDT

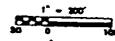


LEGEND

- EXISTING INDEX CONTOUR - - - - -
- EXISTING INTERMEDIATE CONTOUR - - - - -
- LEACH PAD INDEX CONTOUR - - - - -
- LEACH PAD INTERMEDIATE CONTOUR - - - - -



PLAN



REV	DATE	BY	CHKD	REMARKS

DESIGNED BY: J. STAFFORD
 CHECKED BY: J. STAFFORD
 DATE: MAY 2003

CDM Equino & Construction Inc.
 200 NORTH 40TH
 OKLAHOMA CITY, OKLAHOMA 73104
 1-773-833-8333

USACE
 CONTRACT NUMBER BACW 05-00-D-006
 TASK ORDER 005
 EASY JUNIOR MINE SITE

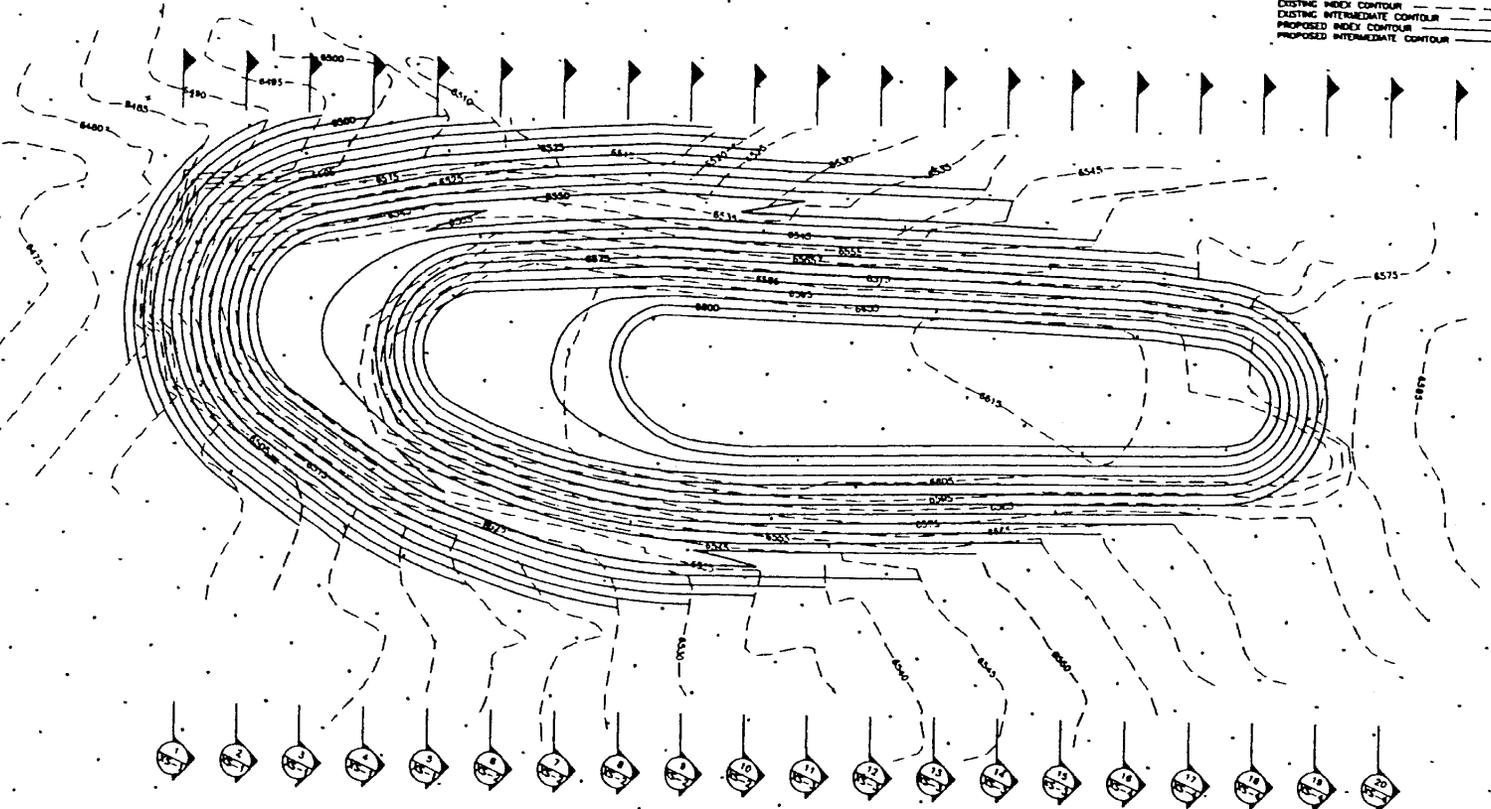
LEACH PAD CONFIGURATIONS
 EXISTING SITE PLAN

PROJECT NO. 2002-2071
 FILE NAME: 38971-C1.dwg
 SHEET NO. C1



LEGEND

- EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- PROPOSED INDEX CONTOUR
- PROPOSED INTERMEDIATE CONTOUR



PLAN

P:\Land Projects\2003\3897\IE JV\dwg\3897-C2.dwg 05/15/2003 02:43:14 PM MDT

NO.	DATE	BY	CHKD	REMARKS

DESIGNED BY: JACOBSON
 CHECKED BY: JACOBSON
 DRAWN BY: JACOBSON
 APPROVED BY: JACOBSON
 DATE: MAY 2003

CDM Engineers & Constructors Inc.
 2nd Floor
 8200 Wilshire Blvd
 1-775-863-8333

USACE
 CONTRACT NUMBER BACW 05-00-D-006
 TASK ORDER 005
 EASY JUNIOR MINE SITE

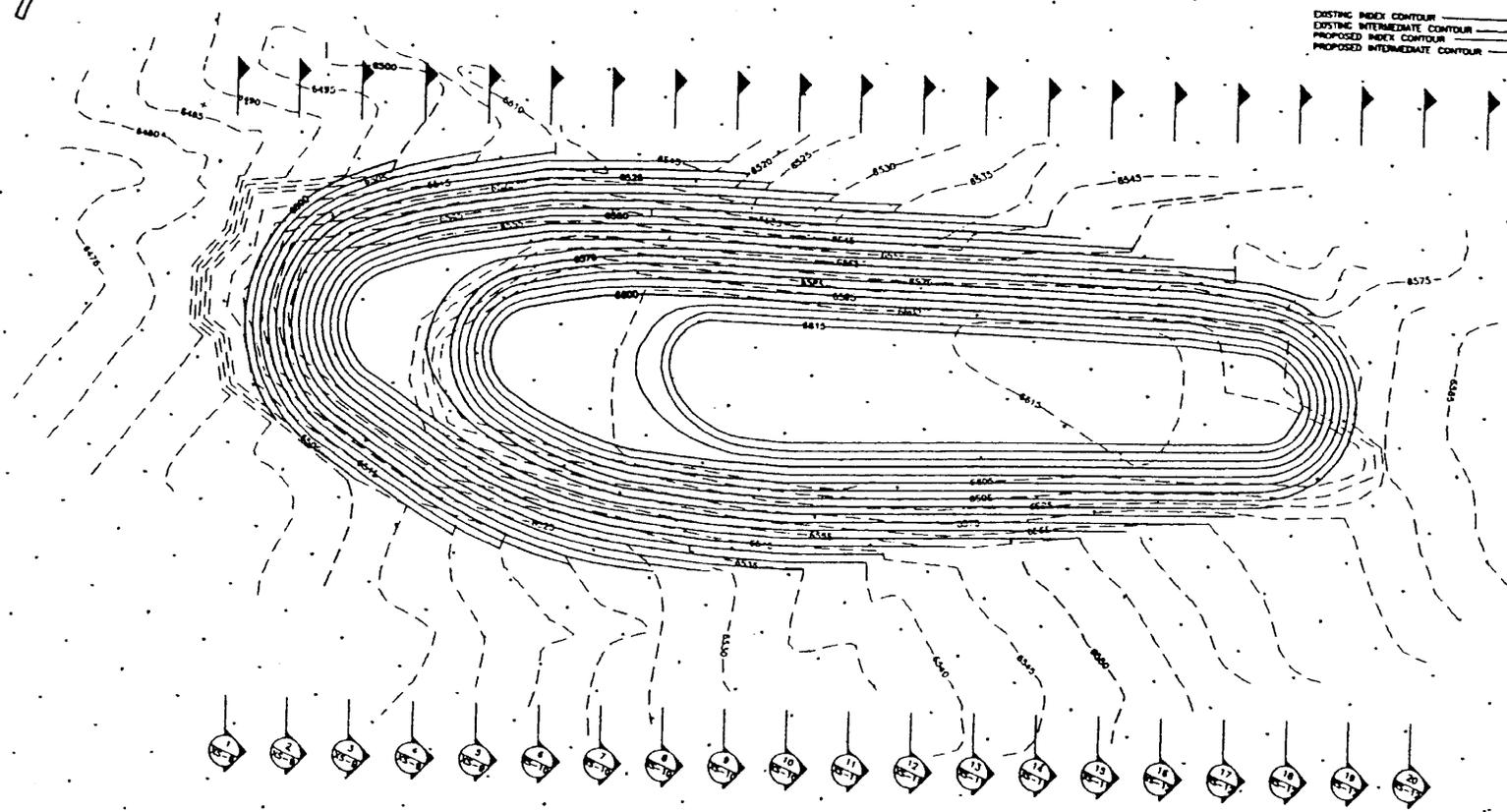
REGRAIDING PLAN
 3:1 SLOPE WITH BENCH

PROJECT NO. 0000-3897-1
 SHEET NO. 3897-1-C2.dwg
 SHEET NO. C2

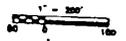
P:\Land Projects\2003\3091(E)\3091-E\3091-E.dwg 05/09/2003 02:30:54 PM HDT



LEGEND
 EXISTING INDEX CONTOUR _____
 EXISTING INTERMEDIATE CONTOUR _____
 PROPOSED INDEX CONTOUR _____
 PROPOSED INTERMEDIATE CONTOUR _____



PLAN



REV	DATE	BY	CHKD	REMARKS

DESIGNED BY: J. HOFFMAN
 DRAWN BY: J. HOFFMAN
 CHECKED BY:
 APPROVED BY:
 DATE: 08/20/03

CDM Engineers & Construction, Inc.
 200 WEST 10TH
 DENVER, COLORADO 80202-3238
 1-773-853-8333

USACE
 CONTRACT NUMBER BACW 05-00-D-006
 TASK ORDER 005
EASY JUNIOR MINE SITE

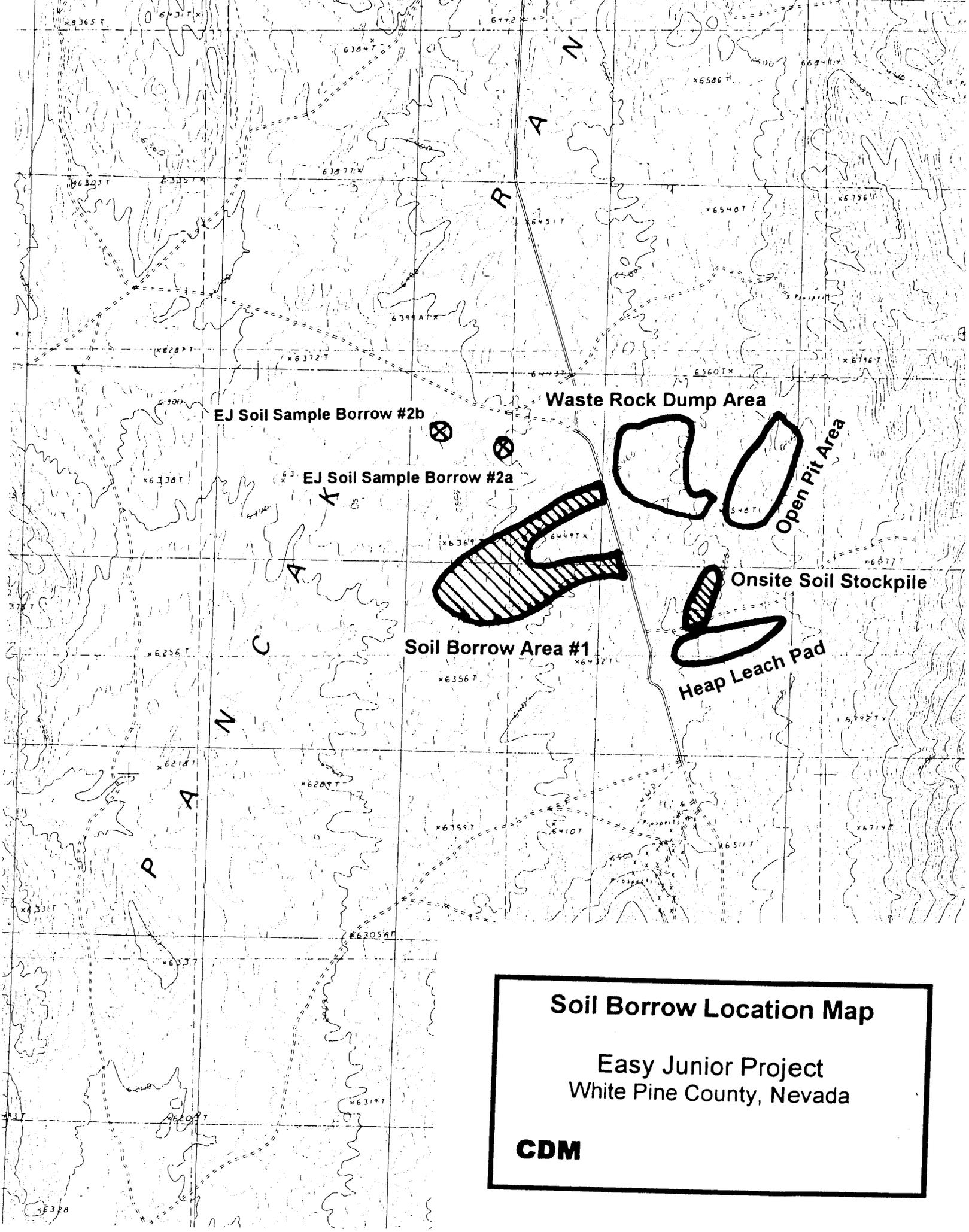
REGRADING PLAN
2.5:1 SLOPE

PROJECT NO. 3000-3091
 FILE NAME: 3091-CA-000
 SHEET NO. **C4**

Appendix A.4

Soil Borrow Location Figure

Cover Soil Available Quantities and Requirements



Soil Borrow Location Map

Easy Junior Project
White Pine County, Nevada

CDM

Cover Soil - Available Quantities and Requirements Easy Junior Project

Work Area	Total	Priority	Low	Medium	High	Total
	(cy)		(cy)	(cy)	(cy)	(cy)

Available Cover Soil Quantities

Onsite Stockpile	129,300
Soil Borrow Area #1	111,900
Total Available	241,200

Cover Soil Requirements

Open Pit Area							
OP-1	West of Pit, Area of Poor Reveg Establishment	667	Low	667	-	-	667
OP-2	West of Pit, Minor sulfide boils	100	Medium	-	100	-	100
OP-3	North of Pit, Area of Poor Reveg Establishment	123	Low	123	-	-	123
OP-4	East of Pit, Area of Poor Reveg Establishment	1,778	Low	1,778	-	-	1,778
OP-4a	East of Pit, Exposed Well Head	-	Low	-	-	-	-
OP-5	Place Warning Signs Around Pit Perimeter	-	High	-	-	-	-
Open Pit Area		2,668		2,568	100	-	2,668
Waste Dump Area							
W-1	North & East Waste Dump Slopes	25,916	High	-	-	25,916	25,916
W-2	Portions of Waste Dump Top	14,519	High	-	-	14,519	14,519
W-3	Trench Area	1,106	Medium	-	1,106	-	1,106
W-4	Spot Sulfide Boils & Areas of Poor Reveg Establishment	644	High	-	-	644	644
W-5	Tire Bone Yard	259	Medium	-	259	-	259
Waste Dump Area		42,444		-	1,365	41,079	42,444
Haul Road Area							
HR-1 to HR-5	Pit & Waste Dump Intersection to Haul Road Junction	3,753	Medium	-	3,753	-	3,753
HR-6 to HR-11	Haul Road Junction to Crusher Area	5,491	Medium	-	5,491	-	5,491
HR-12 to HR-16	Haul Road Junction to Fuel Depot	5,610	Medium	-	5,610	-	5,610
Haul Road Area		14,854		-	14,854	-	14,854
Crusher & Fresh Water Pond Area							
C-1	Crushing Equip Area	926	Medium	-	926	-	926
C-2	Lower Crushing Yard	6,005	Low	6,005	-	-	6,005
C-3	Upper Crushing Yard	6,163	Low	6,163	-	-	6,163
C-4	Fresh Water Pond	2,370	High	-	-	2,370	2,370
C-5	Water Truck Stand Pipe	123	Low	123	-	-	123
Crusher & Fresh Water Pond Area		15,588		12,291	926	2,370	15,588
Heap Leach Pad Area							
HLP-1	Heap, 3:1 Slope, No Bench	40,074	High	-	-	40,074	40,074
HLP-2	Process Storage Area, SW of Heap	5,499	High	-	-	5,499	5,499
Heap Leach Pad Area		45,573		-	-	45,573	45,573

Cover Soil - Available Quantities and Requirements Easy Junior Project

Work Area		Total	Priority	Low	Medium	High	Total
		(cy)		(cy)	(cy)	(cy)	(cy)
Process Pond Area							
PP-1	East of Ponds	1,580	Medium	-	1,580	-	1,580
PP-2	Power House	1,185	High	-	-	1,185	1,185
PP-3	Settling Pond	1,719	High	-	-	1,719	1,719
PP-4	Barren Pond	4,326	High	-	-	4,326	4,326
PP-5	Storm Pond	6,519	High	-	-	6,519	6,519
PP-6	Borrow Area South of Ponds	1,304	Low	1,304	-	-	1,304
Process Pond Area		16,632		1,304	1,580	13,748	16,632
Process Plant, Truckshop & Office Area							
PTO-1	Adsorption Plant (Carbon Column) Area	1,422	High	-	-	1,422	1,422
PTO-2	Pregnant Solution Tank Area	933	High	-	-	933	933
PTO-3	Area South of Truck Shop	2,519	Low	2,519	-	-	2,519
PTO-4	Office Area	3,733	Low	3,733	-	-	3,733
PTO-5	Truck Shop Area	6,163	Medium	-	6,163	-	6,163
PTO-6	Bone Yard North of Truck Shop	2,149	Medium	-	2,149	-	2,149
PTO-7	Fuel Depot Area	978	Medium	-	978	-	978
Process Plant, Truckshop & Office Area		17,897		6,252	9,290	2,356	17,897
Cover Soil Areas							
TS-1	Onsite Cover Soil Stock Pile	-	Medium	-	-	-	-
TS-2	Alternative Cover Soil Borrow Area	-	Medium	-	-	-	-
Cover Soil Areas		-		-	-	-	-
Access Roads							
AR-1	Road to Pit, Southern Offset of Primary Pre-mine Road	444	Low	444	-	-	444
AR-2	Easy Junior By-pass Road	2,311	Low	2,311	-	-	2,311
AR-3	Spur Road	741	Medium	-	741	-	741
Access Roads		3,496		2,756	741	-	3,496
Miscellaneous Areas							
M-F1	6 ft Chain Link Fence at Process Pond Area, 2215 ft	-	Medium	-	-	-	-
M-F2	6 ft Chain Link for Plant, Truckshop, Office & Fuel area, 2860 ft	-	Medium	-	-	-	-
M-F2a	6 ft Chain Link at Truckshop, 140 ft	-	Medium	-	-	-	-
M-F3	6 ft Chain Link for Fresh Water Pond, 760 ft	-	Medium	-	-	-	-
M-F4	4 ft Field Fence, Northern Portion, 4880 ft	-	Medium	-	-	-	-
M-F5	5 ft Field Fence, Southern Portion, 4750 ft	-	Medium	-	-	-	-
M-2	Small Bone Yard near Haul Road Junction	185	Medium	-	185	-	185
M-3	Borrow Area West of By-Pass Road	370	Low	370	-	-	370
Miscellaneous Areas		556		370	185	-	556
Total Requirement of All Areas		159,709		25,541	29,042	105,126	159,709

Appendix A.5

Fence Reclamation Quantities and Areas

Fence Reclamation Quantities

Easy Junior Project

Fence Segment		Length	Regrading		Disturbed Areas	
			Length (ft)	cy / liniar-ft	Regrade Volume (cy)	Fence Road Width (ft)
Chain Link (6 ft)						
F-1	Process Ponds	2,215	0.10	222	25.00	1.27
F-2	Plant, Truckshop & Office	2,860	0.10	286	25.00	1.64
F-2a	Truckshop	140	-	-	-	-
F-3	Fresh Water Pond	760	0.10	76	25.00	0.44
Total		5,975		584		3.35
Field Fence (ft)						
F-4	Northern Portion	4,880	0.25	1,220	25.00	2.80
F-5	Southern Portion	4,750	0.25	1,188	25.00	2.73
Total		9,630		2,408		5.53
Total Fence		15,605		2,991.0		8.9

Appendix B

SUPPORTING COST INFORMATION

Appendix B.1

Labor

Labor Rates Easy Junior Project

	Base Rate (\$/hr)	OT (10hrs/day)	Adjusted Base Rate	Fringe (\$/hr)	Area 3 adjustment (\$/hr)	Total (\$/hr)	Burdens & Benefits (%)	Total Sal, B&B (\$/hr)	Note
1 Laborer	\$19.55	25.0%	\$21.51	\$5.42	\$2.00	\$28.93	34.5%	\$28.93	Davis-Bacon, White Pine Co. 17jan03
2 Equipment Operator	\$28.18	25.0%	\$31.00	\$8.21	\$2.00	\$41.21	32.9%	\$41.21	Davis-Bacon, White Pine Co. 17jan03
3 CraneOp/Welder/Mech	\$33.39	25.0%	\$36.73	\$8.21	\$2.00	\$46.94	27.8%	\$46.94	Davis-Bacon, White Pine Co. 17jan03
4 Working Foreman	\$35.00	25.0%	\$38.50	n/a	n/a	\$38.50	35.0%	\$51.98	CDM Estimate, 31jul03
5 Supervisor	\$40.00	25.0%	\$44.00	n/a	n/a	\$44.00	35.0%	\$59.40	CDM Estimate, 31jul03

Davis Bacon Page 1 of 27
Labor Rates

GENERAL DECISION NV020005 01/17/2003 NV5

Date: January 17, 2003
General Decision Number NV020005

Superseded General Decision No. NV010005

State: Nevada

Construction Type:
HEAVY
HIGHWAY

County(ies):

CARSON CITY	EUREKA	NYE
CHURCHILL	HUMBOLDT	PERSHING
CLARK	LANDER	STOREY
DOUGLAS	LINCOLN	WASHOE
ELKO	LYON	WHITE PINE
ESMERALDA	MINERAL	

HEAVY AND HIGHWAY CONSTRUCTION PROJECTS (Except construction projects at the NEVADA TEST SITE and TONOPAH TEST RANGE) (and Excluding Water Well Drilling)

Modification Number	Publication Date
0	03/01/2002
1	03/22/2002
2	03/29/2002
3	06/07/2002
4	07/12/2002
5	08/09/2002
6	09/27/2002
7	10/18/2002
8	11/08/2002
9	11/29/2002
10	12/13/2002
11	12/20/2002
12	01/03/2003
13	01/10/2003
14	01/17/2003

COUNTY(ies):

CARSON CITY	EUREKA	NYE
CHURCHILL	HUMBOLDT	PERSHING
CLARK	LANDER	STOREY
DOUGLAS	LINCOLN	WASHOE
ELKO	LYON	WHITE PINE
ESMERALDA	MINERAL	

CARP0034L 07/01/2002

Rates Fringes
CARSON CITY, CHURCHILL, DOUGLAS, ELKO, EUREKA, HUMBOLDT, LANDER, LYON, MINERAL, PERSHING, STOREY, WASHOE AND WHITE PINE COUNTIES

DIVER STANDBY	32.34	14.475
DIVER WET	43.59	14.475

Welder - general

GROUP 5: Backhoe operator (up to and including 3/4 yd.); Small Ford, Case or similar; Drill doctor; Grouting machine operator; Heading shield operator; Heavy-duty repairperson; Loader operator (Athey, Euclid, Sierra and similar types); Mucking machine operator (1/4 yd., rubber-tired, rail or track type); Pneumatic concrete placing machine operator (Hackley-Presswell or similar type); Pneumatic heading shield (tunnel);

Pumpcrete gun operator; Tractor compressor drill combination operator; Tugger hoist operator (2 drum); Tunnel locomotive operator (over 30 tons)

GROUP 6: Heavy duty repairman - welder combination

GROUP 7: Tunnel mole boring machine operator

 ENGI9993D 07/01/2000

	Rates	Fringes
CHURCHILL, DOUGLAS, ELKO, EUREKA, HUMBOLDT, LANDER, LYON, MINERAL, PERSHING, STOREY, WASHOE, <u>WHITE PINE</u> AND CARSON CITY		

POWER EQUIPMENT OPERATORS
 (Except Piledriving and Steel Erection)

AREA 1:

Group 1a	25.33	8.21
Group 2	25.86	8.21
Group 3	26.13	8.21
Group 4	26.87	8.21
Group 5	27.17	8.21
Group 6	27.34	8.21
Group 7	27.59	8.21
Group 8	28.18	8.21
Group 9	28.50	8.21
Group 10	28.85	8.21
Group 10a	29.04	8.21
Group 11	29.28	8.21
Group 11a	30.92	8.21
Group 11b	31.73	8.21

*+ 2.00 equip
Operators*

PILEDIVING

AREA 1:

Group 1	37.32	8.21
Group 1a	31.38	8.21
Group 1b	29.46	8.21
Group 2	35.80	8.21
Group 2a	31.17	8.21
Group 2b	29.26	8.21
Group 3	34.35	8.21
Group 3a	30.95	8.21
GROUP 3b	29.03	8.21
Group 4	32.84	8.21
Group 5	31.73	8.21
Group 6	30.62	8.21
Group 7	29.66	8.21

Group 8 27.80 8.21

STEEL ERECTION

AREA 1:

Group 1	37.87	8.21
Group 1a	31.70	8.21
Group 1b	29.74	8.21
Group 2	36.36	8.21
Group 2a	31.45	8.21
Group 2b	29.53	8.21
Group 3	35.12	8.21
Group 3a	31.23	8.21
Group 3b	29.31	8.21
Group 3c	34.76	8.21
Group 4	33.39	8.21
Group 5	32.29	8.21

*+ 2.00 Crane Oper
Repair/Welder*

POWER EQUIPMENT OPERATOR CLASSIFICATIONS
 CHURCHILL, DOUGLAS, ELKO, EUREKA, HUMBOLDT, LANDER, LYON,
 MINERAL, PERSHING, STOREY, WASHOE, WHITE PINE, CARSON CITY

(EXCLUDING PILEDRIVING AND STEEL ERECTION)

GROUP 1a: Oiler; Partsman (heavy duty repair shop partsroom when needed).

GROUP 2: Compressor; Material Loader and/or Conveyor (handling building materials); Pump Operator

GROUP 3: Bobcat or similar loader (1/4 cu. yd. or less); Concrete Curing Machines (streets, highways, airports, canals); Conveyor belt operator (tunnel); Forklift (under 20 ft.); Engineer Generating plant (500 K.W.); Mixer box operator (concrete plant); Motorman; Rotomist Operator; Screedman (except asphaltic or concrete paving); Oiler (truck crane)

GROUP 4: Concrete mixer, skip type; Dinky; Forklift (20' and over) or Lumber stacker; Ross Carrier; Skip Loader (under 1 cu. yd); Tie Spacer.

GROUP 5: Concrete mixer (over 1 cu. yd); concrete pumps or pumpcrete guns; Elevator and material Hoist (1 drum); Groundman for Asphalt Milling and similar.

GROUP 6: Auger type drilling equipment up to and including 30 ft. depth digging capacity m.r.c.; Boom Truck or Dual Purpose "A" Frame Truck; B.L.H. Lima road tractor or similar; Chip box spreader (flaherty type or similar); Concrete batch plant (wet or dry); Concrete saws (highways, streets, airports, canals); Locomotive (over 30 tons); Lubrication and service engineer (mobile & grease rack); Maginnis international full slab vibrator (airports, highways, canals, warehouses); Mechanical finishers (concrete) (clary, Johnson, Bidwell Bridge Deck or similar types); Mechanical Burn, Curb and/or Curb and Gutter Machine (concrete or asphalt); Pavement breaker, truck mounted, with compressor combination; Pavement breaker or tamper (with or without compressor (combination)); Power Jumbo (setting slip-forms, etc. in tunnels); Roller (except asphalt); Self-propelled tape

machine; Self-propelled compactor (single engine); Self-propelled power sweeper; slip form pump (power-driven by hydraulic,

electric, air, gas, etc. lifting device for concrete forms); Small Rubber-tired Tractors; Snooper Crane, Paxton-Mitchell or similar; Stationary Pipe Wrapping, Cleaning and Bending Machine Operator

GROUP 7: Auger type drilling equipment over 30 ft. depth digging capacity m.r.c.; Compressor (over 2); Concrete conveyor or concrete pump, truck equipment mounted (boom length to apply); Concrete conveyor, building site; Drilling and boring Machinery, vertical and horizontal (not to apply to waterliners, wagon drills or jackhammers); Crusher Plant Engineer; Generators; Kolman Loader; Material Hoist (2 or more drums); Mechanical finishers or spreader machine (asphalt, Barber-Greene and similar); (Screedman required); Mine or shaft hoist; Pipe bending machines (pipelines only); Pipe cleaning machines (tractor propelled and supported); Pipe wrapping machines (tractor propelled and supported); Portable crushing and screening plants; Post driller and/or driver; Pumps (over 2); Roller operator (asphalt); Screedman (except asphaltic or concrete paving; Screedman (Barber-Green and similar) (Asphaltic or concrete paving); Self-propelled boom-type lifting device (center amount) (on 10 ton capacity or less); Slusher; Soil tester (certified); Soils and material tester; Surface heater and planer; Trenching machine (maximum digging capacity 3 feet depth); Truck type loader; Welding machines (gasoline or diesel.

GROUP 8: Asphalt plant Engineer; Asphalt milling machine; Cast-in-place pipe laying machine; Combination slusher and motor op.; Concrete batch plant (multiple units); Dozer Operator; Drill doctor; Elevating grader; Gradesetter, Grade checker; Grooving and grinding machine (highway); Heavy duty repairman and/or welder; Ken-seal; Loader (up to and including 2 1/2 cu. yds.); Mechanical trench shield; Mixermobile; Push cats; Road oil mixing machine (wood-mixer and other similar pugmill equipment); Rubber-tired earth-moving equipment (up to and including 35 cu. yds."struck" M.R.C. Euclid, T-pulls, DW's 10, 20, 21, and similar); Self-propelled compactor with dozer; Hyster 450 or cat 825 or similar; Sheepfoot; Small tractor (with boom); Soil stabilizer (P & H or equal); Timber skidder (rubber-tired and/or similar equipment); Tractor-drawn scraper; Tractor; Tractor-mounted compressor drill combination; Trenching machine (over 3 feet depth); Tri-batch paver; Tunnel badger or tunnel boring machine; Tunnel mole boring machine; Vermeer T-600b rock cutter.

GROUP 9: Chicago boom; Combination backhoe and loader (up to and including 3/8 yard); Combination mixer and compressor (gunite); Lull hi-lift (20 feet or over); Mucking machine; Sub-grader (gurrries or other types); Tractor (with boom) (D6 or larger); Track-laying-type earthmoving machine (single engine with tandem scrapers).

GROUP 10: Boom-type backfilling machine; Bridge crane; Carylift or similar; Chemical grouting machine; Derricks (two (2) Group 10 operators required when swing engine remote from hoist); Derrick barges (except excavation work); Euclid loader and similar types;

* Equix Ops
Welder/Mech

Heavy-Duty rotary drill rigs; Lift-slab (vagtborg and similar types); Loader (over 2 1/2 cu yds. up to and including 4 cu. yds); Locomotive (over 100 tons) (single or multiple units); Multiple-Engine earth-moving machines (euclid, dozers, etc.); Pre-stress wire-wrapping machine; Rubber-tyred scraper, self-loading; Single-engine scraper (over 35 cu. yds); Shuttle car (reclaim station); Train loading station; Trenching machine multi-engine with sloping attachment (jefco or similar); Vacuum cooling plant; Whirley crane (up to and including 25 tons).

GROUP 10a: Backhoe (up to and including 1 cu. yd hydraulic); Backhoe (up to and including 1 cu. yd. cable); CMI dual lane auto-grader SP30 or similar; Cranes (not over twenty five (25) tons (hammerhead and gantry); Finish Blade; Gradalls (up to and including 1 cu. yd); Motor patrol; Power shovels, Clamshells, Draglines, Cranes (up to and including 1 cu. yd.); Rubber-tyred scraper, self-loading (twin-engine); Self-propelled boom-type lifting device (center mount) (over 10 tons up to and including 25 tons).

GROUP 11: Automatic asphalt or concrete slip-form paver; Automatic railroad car dumper; Canal trimmer; Cary lift, campbell or similar; Cranes (over 25 tons); Euclid loader when controled from the pullcat; Highline cableway operator; Loader (over 4 cu yds. up to and including 12 cu. yds.); Multi-Engine earthmoving equipment (up to and including 75 cu. yds. "struck M.R.C); Multiple Engine Scrapers (when used to push pull); Power shovels, Clam-shells, Draglines, Backhoes, Gradealls (over 1 cu. yd. and up to and including 7 cu. yds. M.R.C.); Self-propelled Boom type lifting device (over 25 tons M.R.C.); Self-propelled Compactor (with multiplepropulsion power units); Single-engine rubber-tyred earthmoving machine (with tandem scraper); Slip-form paver (concrete or asphalt)(one (1) Operator and two (2) screedman); Tandem cats and scrapers; Tower crane mobile (including rail-mounted); Truck-mounted hydraulic crane when remote-control equipped (over 10 tons up to and including 25 tons); Universal Liebherr and tower cranes (and similar types)(in the erection, dismantling and moving of equipment there shall be an additional operating engineer at group 8 rates); Wheel excavator (up to and including 750 cu. yds. per hour); Whirley cranes (over 25 tons).

GROUP 11a: Band wagons (in conjunction with wheel excavators); Operator of helicopter (when used in construction work); Loaders (over 12 cu. yds.); Multi-engine earthmoving equipment (over 75 cu. yds. "struck" M.R.C.); Power shovels, Clamshells, Draglines, Backhoes and Gradalls (over 7 cu. yds. M.R.C.); Remote-controlled Earthmoving equipment; Wheel excavator (over 750 cu. yds. per hour)(two (2) Group 11A operators required).

GROUP 11b: Holland loader or similar or loader (over 18 cu. yds)

PILEDIVING CLASSIFICATIONS

GROUP 1: Derrick barge pedestal mounted over 100 tons; Clamshells over 7 cu. yds.; Self propelled boom type lifting device over 100 tons; Truck crane or crawler, land or barge mounted over 100 tons;

GROUP 1a: Truck crane oiler.

GROUP 1b: Oiler

GROUP 2: Derrick barge pedestal mounted 45 tons up to and including 100 tons; Clamshells up to and including 7 cu. yds; Self propelled boom type lifting device over 45 tons; Truck crane or crawler, land or barge mounted over 45 tons up to and including 100 tons.

GROUP 2a: Truck crane oiler.

GROUP 2b: Oiler

GROUP 3: Derrick barge pedestal mounted under 45 tons; self propelled boom type lifting device 45 tons and under; Skid/Scow Piledriver, any tonnage; (any assistance required shall be by an employee covered by this agreement); Truck crane or crawler, land or barge mounted 45 tons and under.

GROUP 3a: Truck Crane oiler

GROUP 3b: Oiler

GROUP 4: Forklift, 10 tons and over

GROUP 5: No current classification.

GROUP 6: Deck engineer

GROUP 7: No current classification

GROUP 8: Deckhand, Fireman

STEEL ERECTORS AND FABRICATORS

GROUP 1: Cranes, over 100 tons; Derrick over 100 tons, Self-propelled boom type lifting devices over 100 tons.

GROUP 1a: Truck crane oiler.

GROUP 1b: Oiler

GROUP 2: Cranes, over 45 tons up to and including 100 tons; Derrick 100 tons and under, Self-propelled boom type lifting device, over 45 tons; Tower Crane.

GROUP 2a: Truck crane oiler.

GROUP 2b: Oiler

GROUP 3: Cranes, 45 tons and under; Self propelled boom type lifting device, 45 tons and under

GROUP 3a: Truck crane oiler

GROUP 3b: Hydraulic

GROUP 3c: Oiler

GROUP 4: Chicago boom; Forklift, 10 tons and over; Heavy Duty Repairman/Welder.

GROUP 5: Boom cat

AREA DEFININITIONS AND PAY RATES

AREA 1:

ALL AREA FALLING WITHIN 50 ROAD MILES OF EITHER THE CARSON CITY COURTHOUSE OR THE WASHOE COUNTY COURTHOUSE SHALL BE CONSIDERED FREE AREA.

AREA 2:

ALL WORK FALLING BETWEEN 50 AND 150 ROAD MILES OF THE WASHOE COUNTY COURTHOUSE SHALL BE COMPUTED AT AN ADDITIONAL \$1.50 PER HOUR ABOVE THE BASE RATE.

AREA 3:

ALL WORK FALLING BETWEEN 150 AND 300 ROAD MILES OF THE WASHOE COUNTY COURTHOUSE SHALL BE COMPUTED AT AN ADDITIONAL \$2.00 PER HOUR ABOVE THE BASE RATE.

AREA 4:

ANY WORK PERFORMED IN EXCESS OF 300 ROAD MILES OF THE WASHOE COURTHOUSE SHALL BE COMPUTED AT AN ADDITIONAL \$3.00 PER HOUR ABOVE THE BASE RATE.

ENGI9993K 07/01/1997

	Rates	Fringes
CHURCHILL, DOUGLAS, ELKO, EUREKA, HUMBOLDT, LANDER, LYON, MINERAL, PERSHING, STOREY, WASHOE, WHITE PINE AND CARSON CITY		

HYDRAULIC SUCTION & CLAMSHELL & DIPPER DREDGE

GROUP 1:

Area 1	31.04	11.89
Area 2	33.04	11.89

GROUP 2:

Area 1	26.08	11.89
Area 2	28.08	11.89

GROUP 3:

Area 1	24.96	11.89
Area 2	26.96	11.89

DREDGING CLASSIFICATIONS

GROUP 1:

Day Mate (Captain); Leverman/Operator

GROUP 2:

Booster Pump Operator, Deck Engineer, Deck Mate, Dredge Dozer;
Dredge Tender; Heavy Duty Repairman; Watch Engineer; Winchman

GROUP 3:

Bargeman; Deckhand; Fireman; Leveehand; Oiler

AREA DEFININITIONS

AREA 1:

ALL AREA FALLING WITHIN 50 ROAD MILES OF EITHER THE CARSON CITY COURTHOUSE OR THE WASHOE COUNTY COURTHOUSE SHALL BE CONSIDERED FREE AREA.

AREA 2:

ALL WORK FALLING BETWEEN 50 AND 150 ROAD MILES OF THE WASHOE COUNTY COURTHOUSE.

AREA 3:

ALL WORK FALLING BETWEEN 150 AND 300 ROAD MILES OF THE WASHOE COUNTY COURTHOUSE.

AREA 4:

ANY WORK PERFORMED IN EXCESS OF 300 ROAD MILES OF THE WASHOE COURTHOUSE.

IRON0027J 07/01/2001

	Rates	Fringes
ELKO, EUREKA, AND WHITE PINE COUNTIES		

IRON WORKERS:

Fence Erectors: Machinery Movers		
Ornamental: Reinforcing. Rigger		
Structural	25.19	14.575

IRON0155B 07/01/2002

	Rates	Fringes
CHURCHILL, CLARK, DOUGLAS, ESMERALDA, HUMBOLDT, LANDER, LINCOLN, LYON, MINERAL, NYE, PERSHING, STOREY, WASHOE, AND <u>WHITE PINE</u> COUNTIES		

IRONWORKERS:

STRUCTURAL, ORNAMENTAL AND REINFORCING	26.86	15.85
FENCE ERECTORS (Excluding Clark County)	25.97	15.85

LABO0169F 10/01/2002

	Rates	Fringes
CHURCHILL, DOUGLAS, ELKO, EUREKA, HUMBOLDT, LANDER, LYON, MINERAL, PERSHING, STOREY, WASHOE, WHITE PINE, CARSON CITY		

Group 1	19.45	5.42
Group 1-A	16.58	5.42
Group 2	19.55	5.42
Group 3	19.70	5.42
Group 4	19.95	5.42
Group 5	20.25	5.42
Group 6	20.25	5.42
Group 7	19.95	5.42
Group 8	19.60	5.42
Group 9	14.29	5.42

*x 2.00
Laborer*

From the Washoe County Courthouse

50 Miles to 150 Miles - add \$1.50 per hour to wage rates

150 Miles to 300 Miles - \$2.00 per hour to wage rates *

Over 300 Miles - add \$3.00 per hour to wage rates

CLASSIFICATIONS

GROUP 1: All cleanup work of debris, grounds and building including windows and tile; dump or spotter (other than asphalt); general laborers; limber, brushloader and piler

GROUP 1-A: Flagmen

GROUP 2: Choker setter or rigger (clearing work only); Pittsburgh chipper and similar type brush shredders; concrete worker (wet or dry) all concrete work not listed in Group 3; crusher or grizzle tender; Guinea chaser (stake); panel forms (wood or metal) handling, cleaning and stripping of; loading and unloading of all rods and materials for reinforcing concrete; railroad track (builders); sloper; semi-skilled wrecker (salvaging of building materials other than those listed in Group 3).

Laborer

GROUP 3: Asphalt workers (ironers, shoveler, cutting machine); buggymobile; chainsaw, faller, logloader and bucket; compactor (all types); concrete mixer, under 1/2 yd.; concrete pan work (breadpan type) (handling, cleaning, stripping); concrete saw, chipping, grinding, sanding, vibrator; cribbing, shoring, lagging, trench jacking, hand-guided lagging hammer; curbing or divider machine; curb setter (precast or cut); Ditching machine (hand-guided); driller's tender, chuck tender; form raiser, slip forms; grouting of concrete walls, windows and door jams; headerboard; jackhammer, pavement breaker, air spade; mastic worker (wet or dry); pipe wrapper, kettle, pot, and workers applying asphalt, Creosote and similar type materials; all power tools (air, gas or electric); post driver; riprap stonepaver and rock slinger, including placing of sack concrete, wet or dry; roto tiller; rigging and signaling in connection with laborers work, sandblaster, pot men; vibrascreed; skilled wrecker

(removing and salvaging of sash windows, doors, plumbing and electrical; fixtures)

GROUP 4: Burning and welding in connection with laborers' work; joy drill model TWM-2A, gardener denver model DN 143 and similar type drills; track drillers, diamond core drillers, wagon drillers, mechanical drillers on multiple units; high scalers; concrete pump; heavy duty vibrator with stinger 5" diameter or over; pipelayer, caulker and bander; pipelayer - waterline, sewerline, gasline, conduit; asphalt rakers

GROUP 5: Blaster and powder, all work of loading, placing and blasting of all powder and explosive of any type, regardless of method used used for such loading and placing; asbestos removal; lead abatement, hazardous waste and material removal.

GROUP 6: Nozzlemen, Rodman

GROUP 7: Gunmen, Materialmen

GROUP 8: Reboundmen

GROUP 9: Landscaper

* LABO0872D 07/01/2002

CLARK, ESMERALDA, AND LINCOLN COUNTIES; NYE COUNTY (South half, including Highway #6)

LABORERS:

	Rates	Fringes
Group 1	19.76	12.95
Group 2	19.97	12.95
Group 3	20.07	12.95
Group 4	20.16	12.95
Group 5	20.26	12.95
Group 6	20.07	12.95
Group 7	17.26	12.95

30 - 50 Miles From City Hall, Las Vegas \$1.50 above the base rate.

50 - 70 Miles From City Hall, Las Vegas \$2.50 above the base rate.

Over 70 Miles From City Hall, Las Vegas \$3.00 above the base rate.

Laughlin Area \$2.25 above the base rate.

LABORER CLASSIFICATIONS

Group 1: Dry Packing of concrete and filling of form-bolt holes; fine grader, highway and street paving, airport runaways and

similar type heavy construction; gas and oil pipeline laborer; guinea chaser; laborer, general; construction or demolition laborer; packing rod steel and pans; laborers; temporary water lines (portable type); landscape gardener and nursery worker (must have knowledge of plant materials and how to plant them lay out plant arrangements to-follow the landscape plan); tarman and mortarman; kettleman; potman and worker applying asphalt lay-kold creosote, lime and similar type materials ("applying" means applying, dipping, brushing or handling of such materials for pipe wrapping and waterproofing); underground laborer, including caisson bellowers; window cleaner; scaffold erector - (excludes tenders); fence erector - chain link; mortarless, barrier wall and/or retaining walls; mechanical stabilized earth wall; landscape decorative rock installer - ponds, water fall etc.; material handler - (incidental to trade).

Group 2: Asphalt raker, ironer, spreader, Luteman, buggymobile man; cement dumper (on 1 yard or larger mixers and handling bulk cement); cesspool digger and installer; chucktender (except tunnels); concrete core cutter; concrete curer, impervious membrane and oiler of all materials; concrete saw, excluding tractor type, cutting, scoring old or new concrete; gas and oil pipeline wrapper, pot tender and form; making and caulking of all non metallic pipe joints; operators and tenders of pneumatic and electric tools, vibrating machines, hand-propelled trenching machines, impact wrench, multiplate and similar mechanical tools not separately classified herein; operator of cement grinding machine; riprap stonepaver; roto-scraper; sandblaster (pot tender); scaler; septic tank digger and installer; tank scaler and cleaner; tree climber, faller, chain saw operator, pittsburgh chipper and similar type brush shredders

Appendix B.2

Equipment

Equipment Operating Costs Easy Junior Project

Equipment & Model	Effective Rental \$/hr	Fuel Consumption (gal/hr)	Fuel \$/hr	Lube Oil, Filters & Grease \$/hr	Wear Items & Repair \$/hr	Total \$/hr	Note
Dozer, Cat D5M	\$40.00	4.0	\$5.60	\$0.71	\$1.50	\$47.81	Rental cost from Wheeler Equip rate sheet, other costs from Cat Handbook #28
Dozer, Cat D9R	\$105.00	18.0	\$25.20	\$1.69	\$4.00	\$135.89	Rental cost from Wheeler Equip rate sheet, other costs from Cat Handbook #28
Scraper, Cat 631E	\$105.00	20.0	\$28.00	\$1.36	\$3.00	\$137.36	Rental cost from Wheeler Equip rate sheet, other costs from Cat Handbook #28
Motor Grader, Cat 140H	\$38.00	6.0	\$8.40	\$1.10	\$2.00	\$49.50	Rental cost from Wheeler Equip rate sheet, other costs from Cat Handbook #28
Excavator, Cat 315B w/hammer	\$60.00	13.0	\$18.20	\$1.17	\$3.00	\$120.00	Rental cost from Wheeler Equip rate sheet, other costs from Cat Handbook #28
Backhoe/Loader, Cat 426C	\$12.00	2.2	\$3.08	\$1.66	\$1.00	\$17.74	Rental cost from Wheeler Equip rate sheet, other costs from Cat Handbook #28
Pickup, 4x4	\$3.98	1.0	\$1.70	\$0.25	\$0.25	\$6.18	CDM estimate
7-ton Boom Truck	\$185.00	-	\$0.00	\$0.00	\$0.00	\$185.00	All-in with Crane Operator. Verbal quote from Perry Crane, 9jun03
1,000-gal Water Spraying Truck	\$40.00	3.0	\$5.10	\$0.50	\$0.50	\$46.10	CDM estimate
5,000-gal Water Hauling Truck	\$60.00	2.5	\$4.25	\$0.75	\$0.75	\$65.75	CDM estimate

Other parameters		
Diesel Fuel Cost:	\$ 1.40	per gal
Gasoline Cost	\$ 1.70	per gal

Dozer Production Estimates Easy Junior Project

Task Description & Parameters		Haul Road Regrade			Access Road Regrade			Heap Regrade 3:1		Heap Regrade 2.5:1		Ponds & Recontouring					
		3:1 Slope, easy push in fill	Calc	Blend to pre-mine topo (Push up to fill cuts)	Calc	Average	Level to +10% Push	Calc	Level to +10% Push	Calc	Push material down to 3:1 slope	Calc	Push material down to 2.5:1 slope	Calc	Level Push	Calc	
Task																	
Avg Dozing Distance (ft)		40		75		36.0		40		40		150		120		100	
Task Component %		90%		10%		100%		100%		100%		100%		100%		100%	
Equipment																	
Tractor		D9R		D9R		D9R		D9R		D5M		D9R		D9R		D9R	
Dozer		Semi-U		Semi-U		Semi-U		Semi-U		Straight, 6-Way		Semi-U		Semi-U		Semi-U	
Adjustments & Production Estimate																	
Uncorrected Dozing Production (icy/hr)		2,100		1,600		2,050		2,100		200		900		1,000		1,200	
Operator Skill	Average	0.75		Average	0.75		Average	0.75		Average	0.75	Average	0.75	Average	0.75		
Material	Medium Compaction	0.85		Medium Compaction	0.85		Minor Compaction	0.90		Minor Compaction	0.90	Minor Compaction	0.90	Minor Compaction	0.90	High Compaction	0.80
Spot Dozing	Yes, short runs	1.10		No	1.00		No	1.00		No	1.00	Yes	1.20	Yes	1.20	No	1.00
Side by Side Dozing	No	1.00		No	1.00		No	1.00		No	1.00	No	1.00	No	1.00	No	1.00
Visibility	Good, days only	1.00		Good, days only	1.00		Good, days only	1.00		Good, days only	1.00	Good, days only	1.00	Good, days only	1.00	Good, days only	1.00
Job Efficiency (60min/hr = 1.00)	50 min/hr	0.83		50 min/hr	0.83		50 min/hr	0.83		50 min/hr	0.83	50 min/hr	0.83	50 min/hr	0.83	50 min/hr	0.83
Grades	Favorable -25%	1.50		Unfavorable +10%	0.80		Unfavorable +10%	0.80		Unfavorable +10%	0.80	Favorable -25%	1.50	Favorable -30%	1.60	Level Push	1.00
Corrected Production (cy/hr)		1,841		680		1,725		945		90		911		1,080		600	
Resulting Dozer Production																	
		1,840		680		1,720		950		90		910		1,080		600	

Note: Used Cat Handbook, Edition 28

Scraper Production Estimates Easy Junior Project

Cover Soil for Pit Area

Segment	Point #1 (location & elevation)	Point #2 (location & elevation)	Distance (ft)	Climb (ft)	Grade (%)	Rolling Resistance (%)	Total Resistance (%)	Speed (mph)	Time (min)
Load									0.70
Loaded Haul									
Wa	Cover Soil SP Centroid 6,510	Haul Road Junction 6,515	1,100	5	0.5%	5.0%	5.5%	15.0	0.83
Wb	Haul Road Junction 6,515	Bottom of Waste Dump Ramp 6,525	1,000	10	1.0%	5.0%	6.0%	12.0	0.95
Pa	Bottom of Waste Dump Ramp 6,525	Area West of Pit 6,545	1,200	20	1.7%	5.0%	6.7%	9.0	1.52
Null	n/a	n/a	-	-	0.0%	0.0%	0.0%	-	-
Loaded Haul			3,300	35	1.1%	5.0%	6.1%	11.4	3.30
Maneuver & Unload									0.70
Empty Return									
Pa	Area West of Pit 6,545	Bottom of Waste Dump Ramp 6,525	1,200	(20)	-1.7%	5.0%	3.3%	25	0.55
Wb	Bottom of Waste Dump Ramp 6,525	Haul Road Junction 6,515	1,000	(10)	-1.0%	5.0%	4.0%	25	0.45
Wa	Haul Road Junction 6,515	Cover Soil SP Centroid 6,510	1,100	(5)	-0.5%	5.0%	4.5%	25	0.50
Null	n/a	n/a	-	-	0.0%	0.0%	0.0%	-	-
Empty Return			3,300	(35)	-1.1%	5.0%	3.9%	25.0	1.50
Wait to load									0.5
Total Cycle Time									6.70
Loads /hr @ 90% efficiency	8.07								
Productivity (cy/hr):	202								
Productivity (cy/10-hr day):	2,016								

Cover Soil for Waste Dump Area

Segment	Point #1 (location & elevation)	Point #2 (location & elevation)	Distance (ft)	Climb (ft)	Grade (%)	Rolling Resistance (%)	Total Resistance (%)	Speed (mph)	Time (min)
Load									0.70
Loaded Haul									
Wa	Cover Soil SP Centroid 6,510	Haul Road Junction 6,515	1,100	5	0.5%	5.0%	5.5%	15.0	0.83
Wb	Haul Road Junction 6,515	Bottom of Waste Dump Ramp 6,525	1,000	10	1.0%	5.0%	6.0%	12.0	0.95
Wc	Bottom of Waste Dump Ramp 6,525	Top of Waste Dump Ramp 6,560	400	35	8.8%	5.0%	13.8%	5.0	0.91
Wd	Top of Waste Dump Ramp 6,560	Wst Dump Work Area Centroid 6,560	1,050	-	0.0%	5.0%	5.0%	15.0	0.80
Null	n/a	n/a	-	-	0.0%	0.0%	0.0%	-	-
Loaded Haul			3,550	50	1.4%	5.0%	6.4%	11.6	3.48
Maneuver & Unload down waste dump face									2.00
Empty Return									
We	Base of slope, unloaded 6,500	Turn point west of pit 6,525	1,100	25	2.3%	5.0%	7.3%	20	0.63
Wf	Turn point west of pit 6,525	Bottom of Waste Dump Ramp 6,525	700	-	0.0%	5.0%	5.0%	25	0.32
Wb	Bottom of Waste Dump Ramp 6,525	Haul Road Junction 6,515	1,000	(10)	-1.0%	5.0%	4.0%	27	0.42
Wa	Haul Road Junction 6,515	Cover Soil SP Centroid 6,510	1,100	(5)	-0.5%	5.0%	4.5%	26	0.48
Null	n/a	n/a	-	-	0.0%	0.0%	0.0%	-	-
Empty Return			3,900	10	0.3%	5.0%	5.3%	24.0	1.84
Wait to load									0.5
Total Cycle Time									8.53
Loads /hr @ 90% efficiency	6.33								
Productivity (cy/hr):	158								
Productivity (cy/10-hr day):	1,583								

Cover Soil for Haul Road Area

Segment	Point #1 (location & elevation)	Point #2 (location & elevation)	Distance (ft)	Climb (ft)	Grade (%)	Rolling Resistance (%)	Total Resistance (%)	Speed (mph)	Time (min)
Load									0.70
Loaded Haul									
Wa	Cover Soil SP Centroid 6,510	Haul Road Junction 6,515	1,100	5	0.5%	5.0%	5.5%	15.0	0.83
Wb1	Haul Road Junction 6,515	50% to Bottom of WstDmp Ramp 6,520	500	5	1.0%	5.0%	6.0%	12.0	0.47
Null	n/a	n/a	-	-	0.0%	0.0%	0.0%	-	-
Loaded Haul			1,600	10	0.6%	5.0%	5.6%	13.9	1.31
Maneuver & Unload down waste dump face									1.40
Empty Return									
Wb1	Bottom of Haul Road Slope 6,495	Haul Road Junction 6,515	600	20	3.3%	5.0%	8.3%	16	0.43
Wa	Haul Road Junction 6,515	Cover Soil SP Centroid 6,510	1,100	(5)	-0.5%	5.0%	4.5%	25	0.50
Null	n/a	n/a	-	-	0.0%	0.0%	0.0%	-	-
Empty Return			1,700	15	0.9%	5.0%	5.9%	20.9	0.93
Wait to load									0.5
Total Cycle Time									4.83
Loads /hr @ 90% efficiency	11.17								
Productivity (cy/hr):	279								
Productivity (cy/10-hr day):	2,793								

Scraper Production Estimates Easy Junior Project

Cover Soil for Crusher & Fresh Water Pond Area

Segment	Point #1 (location & elevation)	Point #2 (location & elevation)	Distance (ft)	Climb (ft)	Grade (%)	Rolling Resistance (%)	Total Resistance (%)	Speed (mph)	Time (min)
Load									0.70
Loaded Haul									
HLPa	Cover Soil SP Centroid 6,510	SP & Pad Edge 6,510	70	-	0.0%	10.0%	10.0%	7.0	0.11
HLPb	SP & Pad Edge 6,510	Heap Ramp Bottom 6,565	730	55	7.5%	6.0%	13.5%	5.0	1.66
Ca	Heap Ramp Bottom 6,565	Crusher/Pond Area Centroid 6,605	800	40	5.0%	6.0%	11.0%	6.0	1.52
Null	n/a	n/a	-	-	0.0%	0.0%	0.0%	-	-
Loaded Haul			1,600	95	5.9%	6.2%	12.1%	5.5	3.29
Maneuver & Unload									0.70
Empty Return									
Ca	Crusher/Pond Area Centroid 6,605	Heap Ramp Bottom 6,565	800	(40)	-5.0%	5.0%	0.0%	25	0.36
Wa	Heap Ramp Bottom 6,565	SP & Pad Edge 6,510	730	(55)	-7.5%	5.0%	-2.5%	25	0.33
Wa	SP & Pad Edge 6,510	Cover Soil SP Centroid 6,510	70	-	0.0%	5.0%	5.0%	25	0.03
Null	n/a	n/a	-	-	0.0%	0.0%	0.0%	-	-
Empty Return			1,600	(95)	-5.9%	5.0%	-0.9%	25.0	0.73
Wait to load									0.5
Total Cycle Time									5.92
Loads /hr @ 90% efficiency	9.13								
Productivity (cy/hr):	228								
Productivity (cy/10-hr day):	2,282								

Cover Soil for Heap

Segment	Point #1 (location & elevation)	Point #2 (location & elevation)	Distance (ft)	Climb (ft)	Grade (%)	Rolling Resistance (%)	Total Resistance (%)	Speed (mph)	Time (min)
Load									0.70
Loaded Haul									
HLPa	Cover Soil SP Centroid 6,510	SP & Pad Edge 6,510	70	-	0.0%	10.0%	10.0%	7.0	0.11
HLPb	SP & Pad Edge 6,510	Heap Ramp Bottom 6,565	730	55	7.5%	6.0%	13.5%	5.0	1.66
HLPc	Heap Ramp Bottom 6,565	Heap Ramp Top 6,610	280	45	16.1%	4.0%	20.1%	3.0	1.06
HLPd	Heap Ramp Top 6,610	Heap Centroid 6,605	300	(5)	-1.7%	6.0%	4.3%	15.0	0.23
Loaded Haul			1,380	95	6.9%	5.8%	12.7%	5.1	3.06
Maneuver & Unload down Regraded Heap Slope									1.50
Empty Return									
HLPe	Heap Centroid @ bottom 6,530	Ramp Top xy @ heap base 6,555	300	25	8.3%	6.0%	14.3%	9	0.38
HLPd	Ramp Top xy @ heap base 6,555	Heap Ramp Bottom 6,565	280	10	3.6%	4.0%	7.6%	17	0.19
HLPb	Heap Ramp Bottom 6,565	SP & Pad Edge 6,510	730	(55)	-7.5%	6.0%	-1.5%	25	0.33
HLPa	SP & Pad Edge 6,510	Cover Soil SP Centroid 6,510	70	-	0.0%	12.0%	12.0%	12	0.07
Empty Return			1,380	(20)	-1.4%	5.9%	4.4%	16.3	0.96
Wait to load									0.5
Total Cycle Time									6.72
Loads /hr @ 90% efficiency	8.03								
Productivity (cy/hr):	201								
Productivity (cy/day):	2,008								

Cover Soil for HLP-2, SW of Heap

Segment	Point #1 (location & elevation)	Point #2 (location & elevation)	Distance (ft)	Climb (ft)	Grade (%)	Rolling Resistance (%)	Total Resistance (%)	Speed (mph)	Time (min)
Load									0.70
Loaded Haul									
HLPe	Cover Soil SP Centroid 6,510	NW corner of heap 6,485	700	(25)	-3.6%	5.0%	1.4%	20.0	0.40
HLPf	NW corner of heap 6,485	HLP-2 Centroid 6,480	600	(5)	-0.8%	5.0%	4.2%	19.0	0.36
Null	n/a	n/a	-	-	0.0%	0.0%	0.0%	-	-
Loaded Haul			1,300	(30)	-2.3%	5.0%	2.7%	19.5	0.76
Maneuver & Unload									0.70
Empty Return									
HLPf	HLP-2 Centroid 6,480	NW corner of heap 6,485	600	5	0.8%	5.0%	5.8%	24	0.28
HLPe	NW corner of heap 6,485	Cover Soil SP Centroid 6,510	700	25	3.6%	5.0%	8.6%	16	0.50
Null	n/a	n/a	-	-	0.0%	0.0%	0.0%	-	-
Empty Return			1,300	30	2.3%	5.0%	7.3%	18.9	0.78
Wait to load									0.5
Total Cycle Time									3.44
Loads /hr @ 90% efficiency	15.71								
Productivity (cy/hr):	393								
Productivity (cy/10-hr day):	3,927								

Scraper Production Estimates

Easy Junior Project

Cover Soil for Pond Area

Segment	Point #1 (location & elevation)		Point #2 (location & elevation)		Distance (ft)	Climb (ft)	Grade (%)	Rolling Resistance (%)	Total Resistance (%)	Speed (mph)	Time (min)
Load											0.70
Loaded Haul											
HLPe	Cover Soil SP Centroid	6,510	NW corner of heap	6,485	700	(25)	-3.6%	5.0%	1.4%	20.0	0.40
PPa	NW corner of heap	6,485	Process Pond Area Centroid	6,460	1,050	(25)	-2.4%	5.0%	2.6%	25.0	0.48
Null	n/a	-	n/a	-	-	-	0.0%	0.0%	0.0%	-	-
Loaded Haul					1,750	(50)	-2.9%	5.0%	2.1%	22.7	0.88
Manuver & Unload											0.70
Empty Return											
HLb	Process Pond Area Centroid	6,460	NW corner of heap	6,485	1,050	25	2.4%	5.0%	7.4%	13	0.92
HLa	NW corner of heap	6,485	Cover Soil SP Centroid	6,510	700	25	3.6%	5.0%	8.6%	16	0.50
Null	n/a	-	n/a	-	-	-	0.0%	0.0%	0.0%	-	-
Empty Return					1,750	50	2.9%	5.0%	7.9%	14.1	1.41
Wait to load											0.5
Total Cycle Time											4.19
Loads /hr @ 90% efficiency	12.89										
Productivity (cy/hr):	322										
Productivity (cy/10-hr day):	3,222										

Cover Soil for Plant, Truckshop, Office Area

Segment	Point #1 (location & elevation)		Point #2 (location & elevation)		Distance (ft)	Climb (ft)	Grade (%)	Rolling Resistance (%)	Total Resistance (%)	Speed (mph)	Time (min)
	Location	Elev (ft)	Location	Elev (ft)							
Load											0.70
Loaded Haul											
HLPe	Cover Soil SP Centroid	6,510	NW corner of heap	6,485	700	(25)	-3.6%	5.0%	1.4%	20.0	0.40
PTOa	NW corner of heap	6,485	Plant, Trkshop, Office Centroid	6,460	500	(25)	-5.0%	5.0%	0.0%	25.0	0.23
Null	n/a	-	n/a	-	-	-	0.0%	0.0%	0.0%	-	-
Loaded Haul					1,200	(50)	-4.2%	5.0%	0.8%	21.8	0.63
Manuver & Unload											0.70
Empty Return											
HLb	Process Pond Area Centroid	6,460	NW corner of heap	6,485	500	25	5.0%	5.0%	10.0%	13	0.44
HLa	NW corner of heap	6,485	Cover Soil SP Centroid	6,510	700	25	3.6%	5.0%	8.6%	16	0.50
Null	n/a	-	n/a	-	-	-	0.0%	0.0%	0.0%	-	-
Empty Return					1,200	50	4.2%	5.0%	9.2%	14.6	0.93
Wait to load											0.5
Total Cycle Time											3.46
Loads /hr @ 90% efficiency	15.61										
Productivity (cy/hr):	390										
Productivity (cy/10-hr day):	3,903										

Note

Cat Handbook Edition 28

Scraper Cat 631E

Cover Soil Load 25 cy/load

Dozer Boost, % of Scraper Hrs 33%

Equipment Transport Costs

Easy Junior Project

Equipment	Transport Rate Structure		Transport Costs					Note
	Base Rate (up to 60 miles)	Over 60 miles (\$/mile)	Base Rate	Over 60 miles	Pilot Fee	Assyble Fee	Total Transport	
Dozer, Cat D5M	\$85.00	\$2.50	\$85.00	\$25.00	\$0.00	\$0.00	\$110.00	
Dozer, Cat D9R	\$390.00	\$6.50	\$390.00	\$65.00	\$250.00	\$1,000.00	\$1,705.00	
Scraper, Cat 631E	\$390.00	\$6.50	\$390.00	\$65.00	\$250.00	\$500.00	\$1,205.00	
Motor Grader, Cat 140H	\$210.00	\$3.50	\$210.00	\$35.00	\$0.00	\$0.00	\$245.00	
Excavator, Cat 315B w/hammer	\$85.00	\$2.50	\$85.00	\$25.00	\$0.00	\$0.00	\$110.00	
Backhoe/Loader, Cat 426C	\$85.00	\$2.50	\$85.00	\$25.00	\$0.00	\$0.00	\$110.00	
Pickup, 4x4	n/a	n/a	n/a	n/a	n/a	n/a	\$0.00	n/a
7-ton Boom Truck	n/a	n/a	n/a	n/a	n/a	n/a	\$0.00	Included in hourly rate quote

Note:

Home Base Ely
Distance to site (miles) 70

Equipment Rental Rates Easy Junior Project

Equipment		Work Estimate			Rental Rates			Weekly						Monthly (4 week)													
Type	Model	Estimated Total Hrs	Est # of Machines	Duration (days)	Rental Type	hrs / Rental Period	\$ / Period	Periods	Std hrs	OT hrs	Total hrs	OT %	\$	Rental \$/hr	Effective \$/hr	Periods	Std hrs	OT hrs	Total hrs	OT %	\$	Rental \$/hr	Effective \$/hr				
Dozer	D5M	50	1	5	Daily	8.0	578.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Weekly	40.0	1,734.00	1.0	40	-	40	-	-	1,734.00	43.35	34.68	-	-	-	-	-	-	-	-	-		
					4 Weekly	176.0	5,200.00	-	-	-	-	-	-	-	-	-	-	-	-	1.0	176	-	176	-	5,200.00	29.55	104.00
					OT	1.0	17.72	10.0	-	10	10	-	-	177.20	17.72	3.54	-	-	-	-	-	-	-	-	-	-	
												40	10	50	25.0%	1,911.20	38.22	38.22	-	176	-	176	0.0%	5,200.00	29.55	104.00	
Dozer	D9R	700	2	35	Daily	8.0	2,223.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Weekly	40.0	6,667.00	12.0	480	-	480	-	-	80,004.00	166.68	114.29	-	-	-	-	-	-	-	-	-		
					4 Weekly	176.0	20,000.00	-	-	-	-	-	-	-	-	-	-	-	-	3.0	528	-	528	-	60,000.00	113.64	85.71
					OT	1.0	68.18	220.0	-	220	220	-	-	14,999.60	68.18	21.43	-	-	-	172.0	-	172	172	-	11,726.96	68.18	16.75
												480	220	700	45.8%	95,003.60	135.72	135.72	-	528	172	700	32.6%	71,726.96	102.47	102.47	
Scraper	Cat 631E	600	3	20	Daily	8.0	2,112.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Weekly	40.0	6,334.00	10.0	400	-	400	-	-	63,340.00	158.35	105.57	-	-	-	-	-	-	-	-	-		
					4 Weekly	176.0	19,000.00	-	-	-	-	-	-	-	-	-	-	-	-	2.0	352	-	352	-	38,000.00	107.95	63.33
					OT	1.0	64.77	200.0	-	200	200	-	-	12,954.00	64.77	21.59	-	-	-	168.0	-	168	168	-	10,881.36	64.77	18.14
												400	200	600	50.0%	76,294.00	127.16	127.16	-	432	168	600	38.9%	61,549.36	102.58	102.58	
Motor Grader	Cat 140H	200	1	20	Daily	8.0	745.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Weekly	40.0	2,234.00	4.0	160	-	160	-	-	8,936.00	55.85	44.68	-	-	-	-	-	-	-	-	-		
					4 Weekly	176.0	6,700.00	-	-	-	-	-	-	-	-	-	-	-	-	1.0	176	-	176	-	6,700.00	38.07	33.50
					OT	1.0	27.61	40.0	-	40	40	-	-	1,104.40	27.61	5.52	-	-	-	24.0	-	24	24	-	662.64	27.61	3.31
												160	40	200	25.0%	10,040.40	50.20	50.20	-	176	24	200	13.6%	7,362.64	36.81	36.81	
Excavator	Cat 315B w/Hydraulic Hammer	60	1	6	Daily	8.0	934.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Weekly	40.0	2,800.00	1.0	40	-	40	-	-	2,800.00	70.00	46.67	-	-	-	-	-	-	-	-	-		
					4 Weekly	176.0	8,400.00	-	-	-	-	-	-	-	-	-	-	-	-	1.0	176	-	176	-	8,400.00	47.73	140.00
					OT	1.0	28.64	20.0	-	20	20	-	-	572.80	28.64	9.55	-	-	-	-	-	-	-	-	-	-	
												40	20	60	50.0%	3,372.80	56.21	56.21	-	176	-	176	0.0%	8,400.00	47.73	140.00	
Backhoe/Loader	Cat 426C	260	1	52	Daily	8.0	245.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Weekly	40.0	734.00	5.0	200	-	200	-	-	3,670.00	18.35	14.12	-	-	-	-	-	-	-	-	-		
					4 Weekly	176.0	2,200.00	-	-	-	-	-	-	-	-	-	-	-	-	1.0	176	-	176	-	2,200.00	12.50	8.46
					OT	1.0	7.50	60.0	-	60	60	-	-	450.00	7.50	1.73	-	-	-	84.0	-	84	84	-	630.00	7.50	2.42
												200	60	260	30.0%	4,120.00	15.85	15.85	-	176	84	260	47.7%	2,830.00	10.88	10.88	

Hours/day 10

001,257,2000 20.02
=== COVER PAGE ===

TO:

FROM:

WHEELER MACHINERY

FAX: 17752893601

TEL: 17752892466

COMMENT:

Track-Type Tractors

		Day 8 Hrs	Week 40 Hrs	4 Week 176 Hrs	OVRTI \$/Hr
D3C	16,100 lbs., Dozer(6-way) / Ripper	312	934	2,800	9.54
D4C	16,500 lbs., Dozer(6-way) / Ripper	367	1,100	3,300	11.25
D5C	19,400 lbs., Dozer(6-way) / Ripper	434	1,300	3,900	13.29
D5M	27,006 lbs., Dozer(6-way) / Ripper	578	1,734	5,200	17.72
D5M LGP	28,880 lbs., Dozer(6-way) / LGP	578	1,734	5,200	17.72
D6M	34,240 lbs., Dozer(6-way) / Ripper	723	2,167	6,500	22.15
D6M LGP	37,320 lbs., Dozer(6-way) / LGP	723	2,167	6,500	22.15
D6R	42,300 lbs., SU Dozer / Ripper	945	2,834	8,500	28.98
D6R LGP	45,600 lbs., SU Dozer / LGP	945	2,834	8,500	28.98
D7R	61,236 lbs., SU Dozer / Ripper	1,334	4,000	12,000	40.91
D8R	82,850 lbs., SU Dozer / Ripper	1,812	4,834	14,500	49.43
D9R	106,794 lbs., SU Dozer / Ripper	2,223	6,667	20,000	68.18
D10R	144,169 lbs., SU Dozer / Ripper	2,889	8,667	26,000	88.64
D11R	230,100 lbs., SU Dozer / Ripper	5,000	15,000	45,000	153.41

Up to 150%

Track Loaders

939C	1.5 yd GP Bucket	534	1,600	4,800	16.36
953C	2.3 yd GP Bucket	723	2,167	6,500	22.15
963C	3 yd GP Bucket	900	2,700	8,100	27.61
973C	4 yd GP Bucket	1,278	3,834	11,500	39.20

Pipelayers

561M	40,000 lb. Lifting Capacity	667	2,000	6,000	20.45
------	-----------------------------	-----	-------	-------	-------

Motor Graders

135H	14' Blade, Scarifier, 135 hp	723	2,167	6,500	22.15
140H	14' Blade, Ripper, 165 hp	745	2,234	6,700	22.83
143H	14' Blade, Ripper, 165 hp	900	2,700	8,100	27.61
160H	14' Blade, Ripper, 180 hp	900	2,700	8,100	27.61
14H	16' Blade, Ripper, 215 hp	1,195	3,584	10,750	36.64
16H	16' Blade, Ripper, 275 hp	1,834	5,500	16,500	56.25

Scrapers

611	15 yd Conventional	1,167	3,500	10,500	35.80
613C	11 yd Elevating	945	2,834	8,500	28.98
615C	17 yd Elevating	1,223	3,667	11,000	37.50
621F/G	20 yd Conventional	1,612	4,834	14,500	49.43
63F/G	23 yd Elevating	1,923	5,767	17,300	58.97
627F/G	20 yd Push-Pull	2,000	6,000	18,000	61.36
631E/G	31 yd Conventional	2,112	6,334	19,000	64.77
637E/G	31 yd Push-Pull	2,667	8,000	24,000	81.82

58.53 107.95

Mini Excavators

		<u>Day 8 Hrs</u>	<u>Week 40 Hrs</u>	<u>4 Week 176 Hrs</u>	<u>OVRTM \$/ Hour</u>
301.5	3,690 lbs., 7' dig depth	189	567	1,700	5.79
302.5	6,020 lbs., 8' 8" dig depth	200	600	1,800	6.13
303.5	7,673 lbs., 10' 3" dig depth	212	634	1,900	6.47
304.5	9,966 lbs., 11' 5" dig depth	223	667	2,000	6.81

Mini Excavator Attachments

Hydraulic Hammer	100	300	900
Hydraulic Thumb	67	200	600
Extra Bucket	35	100	300

Hydraulic Excavators

307B/C	14,320 lbs., 15' 3" dig depth	278	834	2,500	8.53
312B/C	28,520 lbs., 19' 10" dig depth	400	1,200	3,600	12.27
313B CR (compact radius)	29,155 lbs., 19' 6" dig depth	423	1,267	3,800	12.95
315B/C	36,200 lbs., 19' 10" dig depth	467	1,400	4,200	14.32
318B	40,540 lbs., 19' 9" dig depth	534	1,600	4,800	16.36
320B/C	45,690 lbs., 21' 9" dig depth	600	1,800	5,400	18.41
322B/C	52,890 lbs., 20' 6" dig depth	700	2,100	6,300	21.48
325B	60,700 lbs., 23' 3" dig depth	756	2,267	6,800	23.18
330B/C	74,360 lbs., 25' 7" dig depth	945	2,834	8,500	28.98
345B	94,800 lbs., 26' 8" dig depth	1,334	4,000	12,000	40.91
350	108,070 lbs., 25' 8" dig depth	1,478	4,434	13,300	45.34
365B	149,000 lbs., 27' 7" dig depth	2,112	6,334	19,000	64.77
375	174,550 lbs., 35' 7" dig depth	2,612	7,834	23,500	80.11

Weight and dig depth may vary depending on configuration.
Excavators include one standard bucket.

Excavator Attachments

Compaction Wheel	112	334	1,000
Hydraulic Thumb	100	300	900
Extra Bucket: Cat 345-375	167	500	1,500
Extra Bucket: Cat 318-330	100	300	900
Extra Bucket: Cat 307-315	67	200	600
Hydraulic Hammer	Same rate as carrier machine		
Hydraulic Plate Compactor	1/2 the rate as carrier machine		

Telescopic Handlers

TH63	6,000 lb. capacity, 41' lift height	234	700	2,100	7.16
TH83	8,000 lb. capacity, 41' lift height	256	767	2,300	7.84
TH103	10,000 lb. capacity, 44' lift height	278	834	2,500	8.53

Telehandler Attachments

Bucket	67	200	600
Jib	67	200	600

MACHINES MACHINES MACHINES

MACHINES
MACHINES
MACHINES
MACHINES

Wheel Loaders

	<u>Day 8 Hrs</u>	<u>Week 40 Hrs</u>	<u>4 Week 176 Hrs</u>	<u>OVRTM \$/ Hour</u>
902				
906	223	667	2,000	6.82
908	245	734	2,200	7.50
914G	267	800	2,400	8.18
924F/Gz	300	900	2,700	9.20
928F/G	345	1,034	3,100	10.57
938F/G	423	1,267	3,800	12.95
950F/G	523	1,567	4,700	16.02
962G	689	2,067	6,200	21.14
966F/G	834	2,500	7,500	25.57
972G	923	2,767	8,300	28.30
980F/G	1,167	3,500	10,500	35.80
988F	1,333	4,000	12,000	40.91
990 II	2,000	6,000	18,000	61.36
992D/G	3,000	9,000	27,000	92.05
	4,000	12,000	36,000	122.73

Integrated Toolcarriers

IT14F/G	1.7 yd GP Bucket, Forks	345	1,034	3,100	10.57
IT24 / 924G	2.25 yd GP Bucket, Forks	378	1,134	3,400	11.59
IT28F/G	2.5 yd GP Bucket, Forks	467	1,400	4,200	14.32
IT38G	3.25 yd GP Bucket, Forks	567	1,700	5,100	17.39
IT62G	4.25 yd GP Bucket, Forks	878	2,634	7,900	26.93

I.T. Attachments

Broom	135	400	1,200	
Material Handling Arm	100	300	900	
Snow Blade	100	300	900	

Backhoe Loaders

416C/D	14' 6" dig depth, 4wd	200	600	1,800	6.13
416C/D E-stick	extend-a-hoe, 18' 2" dig depth, 4wd	223	667	2,000	6.82
420D	14' 5" dig depth, 4wd	245	734	2,200	7.50
420D E-stick	extend-a-hoe, 18' 1" dig depth, 4wd	267	800	2,400	8.18
426C	15' 6" dig depth, 4wd	245	734	2,200	7.50
426C E-stick	extend-a-hoe, 20' 3" dig depth, 4wd	267	800	2,400	8.18
430D	15' 3" dig depth, 4wd	267	800	2,400	8.18
430D E-stick	extend-a-hoe, 19' 11" dig depth, 4wd	289	867	2,600	8.86
436C	16' 3" dig depth, 4wd	267	800	2,400	8.18
436C E-stick	extend-a-hoe, 20' 4" dig depth, 4wd	289	867	2,600	8.86
446B	17' 2" dig depth, 4wd	334	1,000	3,000	10.23
446B E-stick	extend-a-hoe, 21' 5" dig depth, 4wd	356	1,067	3,200	10.91

Backhoe Attachments	Day 8 Hrs	Week 40 Hrs	4 Week 176 Hrs	OVRTM \$/ Hour
I.T. Arrangement (w/ forks)	25	75	225	
Compaction Wheel	100	300	900	
Extra Bucket	34	100	300	
Hydraulic Hammer	Same rate as carrier machine			
Hydraulic Plate Compactor	1/2 the rate as carrier machine			

Skid Steer Loaders

216	49 hp, 5,587 lbs., 1,350 lb. capacity	134	534	1,600	5.45
226	54 hp, 5,697 lbs., 1,500 lb. capacity	138	550	1,650	5.63
236	59 hp, 6,910 lbs., 1,750 lb. capacity	142	567	1,700	5.80
246	74 hp, 7,087 lbs., 2,000 lb. capacity	150	600	1,800	6.14
252 High Lift	59 hp, 7,388 lbs., 2,250 lb. capacity	159	634	1,900	6.48
262 High Lift	74 hp, 7,655 lbs., 2,500 lb. capacity	167	667	2,000	6.82

Skid Steer Attachments

Auger (includes 1 bit)	67	200	600	
Extra Auger Bit	17	50	150	
Broom	67	200	600	
Cold Planer (excluding bits)	67	200	600	
Forks	35	100	300	
Grapple Bucket	67	200	600	
Hydraulic Hammer	100	300	900	
Landscape Rake	67	200	600	
Snow Blower	67	200	600	
Snow Plow	35	100	300	
Tiller	67	200	600	
Trencher	67	200	600	

Skidsteer Trailer

16' & 20', tilt or ramp	40	120	360	
-------------------------	----	-----	-----	--

Multi-Terrain Loaders

ASV 2810	70 hp, 7,450 lbs., 2,350 lb. capacity	200	800	2,400	8.18
ASV 4810	105 hp, 8,640 lbs., 2,950 lb. capacity	234	934	2,800	9.54
Cat 267	63 hp, 9,088 lbs., 2,900 lb. capacity	200	800	2,400	8.18
Cat 277	80 hp, 9,126 lbs., 2,950 lb. capacity	234	934	2,800	9.54

*For attachments see skid steer attachments

MACHINES

MACHINES MACHINES MACHINES MACHINES

Articulated Trucks

		Day 8 Hrs	Week 40 Hrs	4 Week 176 Hrs	OVRTM \$/ Hour
D250E / 725	25 Ton Articulated Truck	989	2,967	8,900	30.34
D300E / 730	30 Ton Articulated Truck	1,056	3,167	9,500	32.38
D400E / 740	40 Ton Articulated Truck	1,389	4,167	12,500	42.61

Off Highway Trucks

769D	41 Ton Truck	1,334	4,000	12,000	40.91
773D	57 Ton Truck	1,778	5,334	16,000	54.55
777D	100 Ton Truck	2,667	8,000	24,000	81.82

On Highway Trucks

Dump Truck, 5-6 Yd.	5-6 Yard, 10' Dump Body	175	700	2,100	7.16
Dump Truck, 14 Yd.	14 Yard, 15' Dump Body	375	1,500	4,500	15.34

Water Equipment

Water Truck, 2,000 gl	On-highway, 2000 gallon	278	834	2,500	8.52
Water Truck, 4,000 gl	On-highway, 4000 gallon	522	1,567	4,700	16.02
113C Water Wagon	5000 Gallon	867	2,600	7,800	26.59
615C Water Wagon	6500 Gallon	1,056	3,167	9,500	32.39
621F Water Wagon	8000 Gallon	1,389	4,167	12,500	42.61
D400E II Water Truck	8000 Gallon, Articulated	1,389	4,167	12,500	42.61
Water Tower, 10,000 gl	10,000 gallon stand tank	167	500	1,500	
Water Tower, 12,000 gl	12,000 gallon stand tank	189	567	1,700	
Water Trailer, 500 gal.	500 gallon water trailer	67	200	600	

Wheel Dozers

814F	50,115 lbs., 12' Dozer	1,000	3,000	9,000	30.67
824G	58,697 lbs., 14'9" Dozer	1,167	3,500	10,500	35.79
834B	101,430 lbs., 15'3" Dozer	2,057	6,167	18,500	63.06

Road Reclaimers / Soil Stabilizers

SS250B	Soil Stabilizer, 15" max. depth	1,389	4,167	12,500	42.61
RR250B	Road Reclaimer, 18" max. depth	1,778	5,334	16,000	54.55
RM350B	Reclaimer/Mixer, 20" max. depth	1,889	5,667	17,000	57.95

Replacement tips or teeth not included

Soil Compactors

815F	45,934 lbs., 12'4" Dozer	923	2,767	8,300	28.30
825G	69,828 lbs., 15'2" Dozer	1,389	4,167	12,500	42.61

		<u>Day</u> <u>8 Hrs</u>	<u>Week</u> <u>40 Hrs</u>	<u>4 Week</u> <u>176 Hrs</u>	<u>OVRTM</u> <u>\$ / Hour</u>
--	--	----------------------------	------------------------------	---------------------------------	----------------------------------

Vibratory Rollers

Single Drum, Pad

CP323C	10,440 lbs., 50" Drum, 62" Blade	378	1,134	3,400	11.59
CP433C	15,225 lbs., 66" Drum, 78" Blade	512	1,534	4,600	15.68
CP563C/D	24,856 lbs., 84" Drum, 108" Blade	578	1,734	5,200	17.72

Single Drum, Smooth

CS323C	9,985 lbs., 50" Drum	345	1,034	3,100	10.57
CS433C	14,675 lbs., 66" Drum	467	1,400	4,200	14.32
CS563C/D	24,500 lbs., 84" Drum	522	1,567	4,700	16.02
CS583C/D	33,510 lbs., 84" Drum	578	1,734	5,200	17.72

Asphalt Rollers

CB214D	2.5 ton, 39" Drums	178	534	1,600	5.45
CB224D	3 ton, 47" Drums / 47" Combi	212	634	1,900	6.48
CB334D	4 ton, 51" Drums	300	900	2,700	9.21
CB335D	4 ton, 51" Combi	300	900	2,700	9.21
CB434C	7 ton, 56" Drums	423	1,267	3,800	12.95
CB534C	10 Ton, 67" Drums	512	1,534	4,600	15.68
CB634C	13 ton, 84" Drums	578	1,734	5,200	17.72

Pneumatic Rollers

PS200B	20 ton, 9 Wheel	356	1,067	3,200	10.91
PS360B	27 ton, 7 Wheel	500	1,500	4,500	15.34

Light Compaction Equipment

Wacker Rollers

RD11 (Ride-on)	2,600 lbs., 36" Dbl Drum Smooth	184	550	1,650	5.63
RT820 (Walk-behind)	3,300 lbs., 33" Dbl Drum Pad	184	550	1,650	5.63
RD7H (Walk-behind)	1,600 lbs., 26" Dbl Drum Smooth	167	500	1,500	5.11
Wacker Trailer	10' tilt	27	80	240	

Pammers

LP600	137 lbs., 11" x 13" Shoe	50	150	450	
-------	--------------------------	----	-----	-----	--

Vibratory Plates

VPG165 A	160 lbs., 18" x 24.5" Plate	50	150	450	
WP1550 AW	190 lbs., 19" x 23" Plate	50	150	450	

Reversible Vibratory Plates

5045	929 lbs., 24" x 35.5" Plate	67	200	600	
DPU6055	1,066 lbs., 28" x 35.5" Plate	80	240	720	
DPU7060	1,465 lbs., 31.5" x 42" Plate	100	300	900	
DPU100-70	1,753 lbs., 38" x 42.3" Plate	120	360	1,080	

MACHINES MACHINES MACHINES

MACHINES
MACHINES
MACHINES

		<u>Day 8 Hrs</u>	<u>Week 40 Hrs</u>	<u>4 Week 176 Hrs</u>	<u>OVRT \$ / Hr</u>
<u>Pumps</u>					
<u>Multi-Flo Self Priming</u>					
MFV-120 4"	Discharge 980 GPM, trailer mtd.	167	500	1,500	5.11
MFV-160 6"	Discharge 1,425 GPM, trailer mtd.	223	667	2,000	6.82
<u>Wacker Pumps</u>					
2" Electric Submersible	Discharge 66 GPM, 44 lbs.	28	84	250	
2" Trash PT2A	Discharge 205 GPM, 134 lbs.	34	100	300	
3" Trash PT3A	Discharge 425 GPM, 164 lbs.	45	134	400	
4" Trash PT4V	Discharge 705 GPM, 360 lbs.	80	240	720	
6" Trash PT6LT	Discharge 1,300 GPM, trailer mtd.	200	600	1,800	6.14
<u>Light Towers</u>					
Mobilight 2-Plex	2x1500 watt, 30' height, hyd. mast	67	200	600	2.05
Wacker LT4Z	4x1000 watt, 30' height, man. mast	67	200	600	2.05
Mobilight 4-Plex	3x1500 watt, 30' height, hyd. mast	89	267	800	2.73
<u>Portable Generators</u>					
3.7 KW	Volts 120/240, Amps 27.6/13.8	45	134	400	
5.6 KW	Volts 120/240, Amps 44.6/22.3	56	167	500	
9.7 KW	Volts 120/240, Amps 78/39	67	200	600	2.05
<u>Demolition Tools</u>					
<u>Air Compressors</u>					
185CFM	Sullivan D185QCA, 100 psi	80	240	720	2.45
375CFM	Sullivan D375QH6, 150 psi	134	400	1,200	4.09
<u>Hammers</u>					
30#, 60#, 90# Air	CP-1210, CP-1230, CP-1240	34	100	300	
15#, 15# Rotary Air	IR-2A2SA, CP-0014RR	34	100	300	
30#, 45# Rock Drill	CP-0022, CP-0032	34	100	300	
60# Electric	Wacker EH23, Bosch	45	135	405	
50# Gasoline	Wacker BH23	45	135	405	
<u>Concrete Equipment</u>					
Power Trowel 36"	Walk-behind, Wacker CT36ADT	54	160	480	
Power Trowel 48"	Walk-behind, Wacker CT48ADT	67	200	600	
Power Trowel 8'	Ride-on, Multi-Quip HTH38KDTCSL	134	400	1,200	4.09
Power Trowel 10'	Ride-on, Multi-Quip STH55JDTCSL	167	500	1,500	5.11
	Trowel Blade: \$11 / Each				
VibraStrike Screed	Honda GX31 4 stroke, 12' blade	54	160	480	
Cut-off Saw 14"	Wacker BTS1035, 14" Blade	54	160	480	
	Diamond Blade: \$180 / Each				
	Abrasive Blade: \$10 / Each				
Concrete Vibrator	Wacker M2000, 1-3/8" Head	27	80	240	
High Cycle Vibrator	Wacker IREN57	40	120	360	
High Cycle Generator	Wacker GH3500E	27	80	240	
Concrete Buggy	Wacker WR16 16 cft capacity	100	300	900	

Trench Shields

Day
8 Hrs Week
40 Hrs 4 Week
176 Hrs

Heavy-Duty 4" Double-Wall

S4D8X12 Box	8' H X 12' L, 5,800 lbs.	100	300	900
S4D8X16 Box	8' H X 16' L, 7,270 lbs.	123	367	1,100
S4D8X20 Box	8' H X 20' L, 8,920 lbs.	145	434	1,300
S4D4X12 Stacker	4' H X 12' L, 3,380 lbs.	89	267	800
S4D4X16 Stacker	4' H X 16' L, 4,130 lbs.	89	267	800
S4D4X20 Stacker	4' H X 20' L, 4,970 lbs.	89	267	800
Rates include spreaders up to 60".				
Spreaders over 60"		5	15	45

Manhole Shields (4" Double-Wall)

SMHB4D8X8	8' H X 8' L, 5,360 lbs.	100	300	900
SMHB4D8X10	8' H X 10' L, 6,090 lbs.	106	317	950
SMHB4D8X12	8' H X 12' L, 7,200 lbs.	112	334	1,000

Manhole shields require 6" diameter spreaders (SP6).

For width of manhole shield add 4' to spreader size due to 2' wrap-around ends.

Example: 36" spreaders + 4' (wrap-around ends) = 7' box width.

Aluminum Shields (3" Double-Wall)

810SXLAP	8' H X 10' L, 1,340 lbs.	100	300	900
34" - 88" Adjustable Spreaders				

Gravel Boxes

SSM-5	5 cubic yard bedding box	60	180	540
SSM-7.5	7.5 cubic yard bedding box	69	200	600
SSM-9	9 cubic yard bedding box	89	267	800

Material Separators

MS12 Separator	7'W x 11'10"L x 9'H, 8' x 12' Screen	112	334	1000
Screen Sizes	3" minus, 4" minus, 6" minus			
Additional Screen		34	100	300

FREIGHT CHARGES

TIRE WEAR CHARGES

	UNDER	25-60	OVER	
	25 MILES	MILES	60 MILES	
			(PER MILE CHARGE)	

\$\$
PER 32ND
inch

TRACK-TYPE TRACTORS

D11R *	\$400.00	\$480.00	\$8.00	
D10R *	\$400.00	\$480.00	\$8.00	
D9R *	\$250.00	\$390.00	\$6.50	
D8R *	\$200.00	\$285.00	\$4.75	
D7R, D6R, D6M,	\$150.00	\$210.00	\$3.50	
D5M, D5C, D4C, D3C	\$60.00	\$85.00	\$2.50	

*Additional charges for permits, pilot, assembly & disassembly may apply.

TRACK LOADERS

973, 963C, 953C	\$150.00	\$210.00	\$3.50	
939C	\$60.00	\$85.00	\$2.50	

PIPELAYERS

561M	\$150.00	\$210.00	\$3.50	
------	----------	----------	--------	--

MOTOR GRADERS

16H *	\$200.00	\$285.00	\$4.75	\$41.00
14H *	\$150.00	\$210.00	\$3.50	\$35.00
160H, 143H, 140H, 135H	\$150.00	\$210.00	\$3.50	\$20.00

*Additional charges for permits, pilot, assembly & disassembly may apply.

SCRAPERS

637E/G*	\$250.00	\$390.00	\$6.50	\$98.00
631E/G*	\$250.00	\$390.00	\$6.50	\$98.00
627F/G*	\$200.00	\$285.00	\$4.75	\$74.00
623F/G*	\$200.00	\$285.00	\$4.75	\$74.00
621F/G*	\$150.00	\$210.00	\$3.50	\$74.00
615C, 613C, 611	\$150.00	\$210.00	\$3.50	\$49.00

*Additional charges for permits, pilot, assembly & disassembly may apply.

MINI EXCAVATORS

301.5, 302.5, 303.5, 304.5	\$60.00	\$85.00	\$2.50	
----------------------------	---------	---------	--------	--

HYDRAULIC EXCAVATORS

375*	\$400.00	\$480.00	\$8.00	
365B*	\$400.00	\$480.00	\$8.00	
350*	\$400.00	\$480.00	\$8.00	
345B*	\$400.00	\$480.00	\$8.00	
330B/C*	\$200.00	\$285.00	\$4.75	
325B, 322B/C, 320B/C	\$150.00	\$210.00	\$3.50	
318B, 315B/C, 312B/C, 307B	\$60.00	\$85.00	\$2.50	

*Additional charges for permits, pilot, assembly & disassembly may apply.

TELESCOPIC HANDLERS

TH103, TH83, TH63	\$60.00	\$85.00	\$2.50	\$20.00
-------------------	---------	---------	--------	---------

FREIGHT CHARGES

TIRE WEAR CHARGES

WHEEL LOADERS	UNDER 25 MILES	25-60 MILES	OVER 60 MILES (PER MILE CHARGE)	\$\$ PER 32ND
992D *	\$400.00	\$480.00	\$8.00	\$94.00
990 *	\$400.00	\$480.00	\$8.00	\$72.00
988F/G *	\$250.00	\$390.00	\$6.50	\$56.00
980G *	\$200.00	\$285.00	\$4.75	\$50.00
972G, 966G, 962G	\$150.00	\$210.00	\$3.50	\$47.00
950G, 938G	\$150.00	\$210.00	\$3.50	\$44.00
928G, 924G, 914G	\$60.00	\$85.00	\$2.50	\$30.00
908, 906, 902	\$60.00	\$85.00	\$2.50	\$20.00

*Additional charges for permits, pilot, assembly & disassembly may apply.

INTEGRATED TOOLCARRIERS

IT62G, IT38G	\$150.00	\$210.00	\$3.50	\$45.00
IT28G, IT24F, IT14G	\$60.00	\$85.00	\$2.50	\$30.00

BACKHOE LOADERS

416, 420, 426, 430, 436, 446	\$60.00	\$85.00	\$2.50	REAR ONLY \$20.00
------------------------------	---------	---------	--------	----------------------

SKIDSTEER LOADERS

246, 236, 226, 216, 252, 262	\$60.00	\$85.00	\$2.50	
------------------------------	---------	---------	--------	--

MULTI-TERRAIN LOADERS

4810, 2810, 267, 277	\$60.00	\$85.00	\$2.50	
----------------------	---------	---------	--------	--

TRUCKS

777D *	\$400.00	\$480.00	\$8.00	\$102.00
773D *	\$250.00	\$390.00	\$6.50	\$70.00
769D *	\$200.00	\$285.00	\$4.75	\$43.00
D400E / 740	\$150.00	\$210.00	\$3.50	\$60.00
D300E / 730	\$150.00	\$210.00	\$3.50	\$47.00
D250E / 725	\$150.00	\$210.00	\$3.50	\$47.00
Dump Trucks 5yd / 14yd	\$60.00	\$85.00	\$2.50	

*Additional charges for permits, pilot, assembly & disassembly may apply.

WATER EQUIPMENT

621E / 8000 gl*	\$150.00	\$210.00	\$3.50	\$74.00
615C / 6500 gl*	\$150.00	\$210.00	\$3.50	\$49.00
613C / 5000 gl*	\$150.00	\$210.00	\$3.50	\$49.00
D400E / 8000 gl*	\$150.00	\$210.00	\$3.50	\$60.00
Water Trucks 2000 / 4000 gl	\$60.00	\$85.00	\$2.50	
Water Towers	\$100.00	\$150.00	\$3.00	
Water Trailers, 500 gl	\$60.00	\$85.00	\$2.50	

*Additional charges for permits, pilot, assembly & disassembly may apply.

WHEEL DOZERS

834B*	\$400.00	\$480.00	\$8.00	\$56.00
824G*	\$250.00	\$390.00	\$6.50	\$49.00
814F*	\$150.00	\$210.00	\$3.50	

FREIGHT CHARGES

TIRE WEAR CHARGES

	UNDER 25 MILES	25-60 MILES	OVER 60 MILES (PER MILE CHARGE)	\$\$ PER 32ND
ROAD RECLAIMERS / SOIL STABILIZERS				
RM350, RR250B, SS250B	\$150.00	\$210.00	\$3.50	
SOIL COMPACTORS				
825G *	\$200.00	\$285.00	\$4.75	
815F	\$150.00	\$210.00	\$3.50	
*Additional charges for permits, pilot, assembly & disassembly may apply.				
VIBRATORY ROLLERS				
CP563, CS583, CS563	\$60.00	\$85.00	\$2.50	\$11.00
CP433, CP323, CS433, CS323	\$60.00	\$85.00	\$2.50	\$5.00
ASPHALT ROLLERS				
CB634C, CB534C, CB434C	\$60.00	\$85.00	\$2.50	
CB334D, CB335D, CB224D				
CB214D				
PNEUMATIC ROLLERS				
PS360, PS200	\$60.00	\$85.00	\$2.50	\$5.00
LIGHT EQUIPMENT				
ALL TYPES	\$60.00	\$85.00	\$2.50	
TRENCH SHIELDS				
ALL TYPES	\$60.00	\$85.00	\$2.50	

ADDITIONAL HAULAGE RELATED CHARGES

- 1. ESCORT FEES AND PERMITS**
\$50 PER HOUR **STAND-BY TIME** WILL APPLY AFTER THE 1ST HOUR AT THE JOBSITE
- 2. ALL PARTS LOADS INCLUDING DOZER, BUCKET, RIPPER, ETC.:**
UNDER 30 MILES - \$100
\$3.50 PER LOADED MILE OVER 30 MILES
- 4. ANY ASSEMBLY CHARGES WILL BE PERFORMED BY FIELD SERVICE**
AT THE FIELD SERVICE RATE.

Appendix B.3

Materials

Material Rates Easy Junior Project

	\$/unit	Units	Other Parameters	Unit Cost	Note
1 Fertilizer, 16-20-0 (16S)	\$0.40	lbs	- lbs/ac Application	\$0.00 per ac	Verbal Quote, Albers of Reno, 6jun03
2 Seed Mixture	\$147.75	ac	1.00 n/a	\$147.75 per ac	Fax Quote, Granite Seed, 16may03
3 Bentonite Chips, 3/8 inch	\$10.00	50 lb bag	0.57 bag/ft of 8 inch hole	\$5.71 per ft	Verbal Quote from Western Hydro of Reno 9jun03
4 Pit Warning Signs & Posts	\$75.00	ea	1.00 n/a	\$75.00 ea	BHT Estimate
5 Tool Allowance	3.0%	of Dir Labor	1.00 n/a	3.0% of Dir Labor	3% of Direct Labor related to Task



FAX

1697 West 2100 North
Lehi, UT 84043

Phone: (801) 768-4422
Fax: (801) 768-3967

Date: May 16, 2003

To: Beth Legenbauer

Company: CDM

From: Bill Agnew

Pages (Including Cover): 2

Re: Revised Seed Price Quote

Beth:

Sorry for the delay in getting this to you and please find a revised seed price quote for the Easy Junior Mine, NV (attached). It is anticipated that 265 acres will be reclaimed with seed needed spring/summer 2003. Find the following:

Seed cost/acre - \$ 147.75

Additionally, find the following list of contractors that do mining reclamation work in Nevada.

WRR Industries

John
801-355-2279
Salt Lake City, UT

Western States Reclamation

Gary
303-833-8827
Frederick, CO

If you have questions, please let me know.

Bill Agnew



11:02A Alta Gold Co.

702 289 4138

P.02

1897 W. 2100 N.
LEHI, UT 84043
(801) 768-4422

Preferred Mixture

Recommended seed list for Easy Junior Mine

Species	Seeds/lb	Seed rate lb/ac	Seeds/sq ft
Agropyron spicatum (Bluebunch wheatgrass)	140,000	4.0 4.3	12
Oryzopsis hymenoides (Indian ricegrass) Thickspike wheatgrass (Agropyron dasystachyum)	141,000	3.0 3.0	9
Poa sandbergii (Sandberg's bluegrass)	110,000	4.0 5.1	10
Agropyron elongatum (Fall wheatgrass)	882,000	0.5 0.55	10
Agropyron elongatum (Fall wheatgrass)	79,000	5.0 6.0	9
Polar Small Burnett. (Sanguisorba minor)	55,000	3.0 3.0	4
Remont Sainfoin (Onobrychus viciifolia)	30,000	6.0 7.3	4
Atriplex confertifolia (Shadscale)	64,900	4.0 5.7	6
Atriplex canescens (Four wing saltbrush)	52,000	4.0 4.8	6
Total		33.5 lb/ac	69 seeds/sq ft

IN SACK

~~\$240.6 per acre~~

26 5182 147.75

39.8

Seeds should be planted between October 1 and March 15. Substitutions can be made depending on seed price and availability. Contact the BLM if substitutions are required.

* Seed rate - Adjust listed pounds/acre for pure live seed.

Pure Live Seed pounds/acre = $\frac{\text{Seed rate (listed above lb/acre)}}{(\% \text{ germination}) (\% \text{ purity})}$

** These are not preferred species for the area. Preferred species are thickspike wheatgrass (Agropyron dasystachyum) and Sandberg's bluegrass (Poa sandbergii). These preferred species are not available in the spring of 1995. If seed list is to be used after this time, please use preferred species.

\$147.75 per acre
revised 5-15-03



TOTAL P.01

Appendix B.4

Subcontractors

Subcontractor Rates Easy Junior Project

	\$/unit	Units	Other Parameters	Unit Cost	Note
1 Broadcast Fertilizer	\$45.00	ac	- Not Required	\$0.00 per ac	Quote, WRR 4jun03
2 Broadcast Seed & Harrow	\$60.00	ac	1 n/a	\$60.00 per ac	Quote, WRR 4jun03



Universal Environmental Nevada, Inc.
A FULL SERVICE ENVIRONMENTAL COMPANY

May 9, 2003

Kerri Dierberger
CDM, Inc
290 Gentry Way, Suite 8
Reno, NV 89502

RE: Request for Bid.
Easy Junior Mine Site Disposal Services

Dear Ms. Dierberger:

Universal Environmental (UE) would like to thank you for the opportunity to submit the following cost estimate for the above referenced project. UE's record of accurate forecasting and excellent hazardous waste services is unequalled in the environmental industry. UE has very experienced personnel, and incorporates the highest standards of health and safety. I believe that we have a cost-effective response for the above mentioned waste management services.

Scope of Work:

UE shall provide materials, labor and equipment for the transportation and disposal of the following waste streams:

<u>Waste Stream</u>	<u>Facility</u>	<u>Treatment</u>
6 heavy equipment batteries	Nevada Batteries	Recycle
Waste oils and grease	US Ecology-Beatty	Landfill
Enamel paints	Pollution Control Ind.	Fuel blend
Unknown liquids and sludges	US Ecology-Beatty	Landfill
200 pickup and haul truck tires	Ray's Tire Service	Shredder

BHT allocation
500
1500
500
1000
625

4125
for pickup

Assumptions:

- Generator information will be provided for waste profiling purposes. In addition, an authorized agent will be available to sign shipping manifests. Based upon the above mentioned waste streams, a site specific EPA identification number is not required.
- UE personnel will have unimpeded access to the site and will not be responsible for unanticipated delays in the scope of work.
- The heavy equipment batteries are in good condition with no cracked casing. The weight of the batteries are estimated at 80-90 lbs.
- It is assumed that there are 100 pickup tires and 100 haul truck tires. Loader and backhoe tires create additional disposal fees.

Assume
625 x 4 =
\$2500.00

Continued

- 4) UE will perform the transportation and disposal activities in accordance with local, state, and federal regulations.

ASSOCIATED PROJECT COSTS:

Labor, Equipment & Materials:	\$2,215.00
Disposal:	<u>\$1,910.00</u>
Estimated Project Cost	\$4,125.00

+1875 for Large Tires
Total 6000.00

The proposed terms and conditions shall remain valid for 60 days from the date of this proposal. Payment terms are net 30 days. To accept this proposal, please sign the signature block below and facsimile a signed copy of this proposal to my attention at (775) 351-1927.

Should you have any questions or require additional information, please feel free to call our office at (775) 351-2500. Thank you for the opportunity to bid on this project, we look forward to working with you.

Universal Environmental Nevada

Jason Benson
Jason Benson, CEM #1725
Project Manager

Accepted By:

Signature

Printed Name

Date



290 Gentry Way, Suite 8
Reno, Nevada 89502
(775) 853-0333 / (775) 853-3133 Fax

FROM: Kerri Dierberger **Original by Mail:** YES NO
TO: **Sally Chapin – Universal Environmental**
Fax Number: (775) 351-1927

DATE: May 8, 2003

NUMBER OF PAGES (including this transmittal sheet): 1

SUBJECT: Request for Bid - Disposal Services: Easy Junior Mine, Nevada

COMMENTS:

Please Fax or Email as soon as possible, a cost estimate to complete disposal work at the Easy Junior Mine site (site). The site is located in White Pine County, Nevada, and is reached by traveling 45 miles west of Ely, along Highway 50, south 15 miles along county road #5, west 3 miles along secondary county road #1179 and south 5 miles on secondary road #1176. Estimated start date for this work is Spring/Summer 2003.

The site is an abandoned gold mine where CDM is performing restoration activities. Part of the restoration project includes disposal of non-hazardous, hazardous and potentially hazardous materials that were left on site when the mine was abandoned. An inventory of the materials is presented below.

1. 6 heavy equipment batteries
2. One 5-gallon bucket and one 55-gallon drum containing an unidentified liquid that appears to be used motor oil
3. One 30-gallon drum of Chevron Black Pearl Grease (label reads EP NLG10)
4. One quart of Valvoline 80W90 Gear Oil
5. Three partially full 1-gallon buckets of enamel paint
6. One 5-gallon bucket of unidentified liquid (at time of site walk, the lid on the bucket could not be opened)
7. One 5-gallon bucket containing a black sludge
8. 100 light duty truck tires
9. 100 heavy equipment (haul truck) tires, approximately 3 to 4 feet in diameter

Please include in the bid estimated analytical costs needed for characterizing unidentified liquids, disposal costs, permit fees, transportation fees, and labor.

Questions should be directed to Kerri Dierberger (775) 853-0333.

Appendix C

RECLAMATION COST TABLES

Appendix C.1

Reclamation Cost Estimate Roll-up of Detail

Reclamation Cost Estimate - Rollup of Detail

Easy Junior Project

	TASK		LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
	Qty	Unit	MH/Unit	Factor	ManHours	Rate	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	\$/Unit	\$	
Total All Areas	147.05	ac	22.717	1.000	3,340.4	\$38.53	\$128,706	\$214.42	\$31,529	\$1,467.51	\$215,790	\$108.97	\$16,024	\$2,666.18	\$392,049	
Total All Areas & Contractor's General	147.05	ac	30.497	1.000	4,484.5	\$41.59	\$186,521	\$258.00	\$37,938	\$1,731.17	\$254,561	\$255.76	\$37,609	\$3,513.40	\$516,629	
Total All Areas, Contractor's General & 10% OHP	147.05	ac	30.497	1.000	4,484.5	\$45.75	\$205,173	\$283.80	\$41,732	\$1,904.29	\$280,017	\$281.34	\$41,370	\$3,864.74	\$568,292	
Open Pit Area	2.45	ac	51.874	1.000	127.1	\$35.19	\$4,471	\$2,591.96	\$6,349	\$1,567.67	\$3,840	\$60.01	\$147	\$6,044.92	\$14,807	
OP-1 West of Pit, Area of Poor Reveg Establishment	0.62	ac	7.888	1.000	4.9	\$41.11	\$201	\$148.43	\$92	\$1,079.32	\$669	\$59.69	\$37	\$1,611.72	\$999	
Fac/Debris	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Regrade	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Cover Soil	Apply Cover Soil as needed	666.67	cy	0.007	1.000	4.9	\$41.11	\$201	\$0.00	\$0	\$1.00	\$669	\$0.00	\$0	\$1.31	\$870
Reveg	Broadcast & Harrow Fertilizer & Seed	0.62	ac	-	1.000	-	\$0.00	\$0	\$148.43	\$92	\$0.00	\$0	\$59.69	\$37	\$208.12	\$129
OP-2 West of Pit, Minor sulfide boils	0.06	ac	18.689	1.000	1.2	\$41.44	\$48	\$145.20	\$9	\$2,549.07	\$158	\$64.53	\$4	\$3,533.20	\$219	
Fac/Debris	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Regrade	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Cover Soil	Apply Cover Soil as needed	100.00	cy	0.012	1.000	1.2	\$41.44	\$48	\$0.00	\$0	\$1.58	\$158	\$0.00	\$0	\$2.06	\$206
Reveg	Broadcast & Harrow Fertilizer & Seed	0.06	ac	-	1.000	-	\$0.00	\$0	\$145.20	\$9	\$0.00	\$0	\$64.53	\$4	\$209.73	\$13
OP-3 North of Pit, Area of Poor Reveg Establishment	0.11	ac	37.574	1.000	4.3	\$41.27	\$178	\$148.10	\$17	\$5,113.94	\$587	\$60.98	\$7	\$6,873.77	\$789	
Fac/Debris	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Regrade	Minor Regrade & Scarify	300.00	cy	0.010	1.000	3.0	\$41.33	\$124	\$0.00	-	\$1.36	408.0	\$0.00	-	\$1.77	\$532
Cover Soil	Apply Cover Soil	123.46	cy	0.011	1.000	1.3	\$41.13	\$54	\$0.00	\$0	\$1.45	\$179	\$0.00	\$0	\$1.89	\$233
Reveg	Broadcast & Harrow Fertilizer & Seed	0.11	ac	-	1.000	-	\$0.00	\$0	\$148.10	\$17	\$0.00	\$0	\$60.98	\$7	\$209.09	\$24
OP-4 East of Pit, Area of Poor Reveg Establishment	1.65	ac	10.107	1.000	16.7	\$41.24	\$689	\$147.62	\$244	\$1,381.82	\$2,284	\$59.90	\$99	\$2,006.18	\$3,316	
Fac/Debris	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Regrade	Minor Regrade & Scarify	100.00	cy	0.040	1.000	4.0	\$41.25	\$165	\$0.00	\$0	\$5.44	\$544	\$0.00	\$0	\$7.09	\$709
Cover Soil	Apply Cover Soil	1,777.78	cy	0.007	1.000	12.7	\$41.24	\$524	\$0.00	\$0	\$0.98	\$1,740	\$0.00	\$0	\$1.27	\$2,264
Reveg	Broadcast & Harrow Fertilizer & Seed	1.65	ac	-	1.000	-	\$0.00	\$0	\$147.62	\$244	\$0.00	\$0	\$59.90	\$99	\$207.52	\$343
OP-4a East of Pit, Exposed Well Head	-	ac	-	1.000	30.0	\$36.63	\$1,099	\$0.00	\$2,319	\$0.00	\$53	\$0.00	\$0	\$0.00	\$3,471	
Fac/Debris	Seal Exposed Well Head	1.00	LS	30.000	1.000	30.0	\$36.63	\$1,099	\$2,319.00	\$2,319	\$53.00	\$53	\$0.00	\$0	\$3,471.00	\$3,471
Regrade	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Cover Soil	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Reveg	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Reclamation Cost Estimate - Rollup of Detail

Easy Junior Project

			TASK		LABOR			MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL			
			Qty	Unit	MH/Unit	Factor	ManHours	Rate	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	\$/Unit	\$
Total All Areas			147.05	ac	22.717	1.000	3,340.4	\$38.53	\$128,706	\$214.42	\$31,529	\$1,467.51	\$215,790	\$108.97	\$16,024	\$2,666.18	\$392,049
Total All Areas & Contractor's General			147.05	ac	30.497	1.000	4,484.5	\$41.59	\$186,521	\$258.00	\$37,938	\$1,731.17	\$254,561	\$255.76	\$37,609	\$3,513.40	\$516,629
Total All Areas, Contractor's General & 10% OHP			147.05	ac	30.497	1.000	4,484.5	\$45.75	\$205,173	\$283.80	\$41,732	\$1,904.29	\$280,017	\$281.34	\$41,370	\$3,864.74	\$568,292
OP-5 Place Warning Signs around Pit Perimeter			-	ac	-	1.000	70.0	\$32.23	\$2,256	\$0.00	\$3,668	\$0.00	\$89	\$0.00	\$0	\$0.00	\$6,013
	Fac/Debris	Install Warning Signs on pit perimeter (4,800 ft)	1.00	LS	70.000	1.000	70.0	\$32.23	\$2,256	\$3,668.00	3,668.0	\$89.00	89.0	\$0.00	-	\$6,013.00	\$6,013
	Regrade	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Cover Soil	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Reveg	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Waste Dump Area			34.63	ac	11.598	1.000	401.7	\$40.90	\$16,428	\$148.02	\$5,126	\$1,604.31	\$55,558	\$166.85	\$5,778	\$2,393.56	\$82,890
W-1 North & East Waste Dump Slopes			24.10	ac	9.469	1.000	228.2	\$41.21	\$9,402	\$147.75	\$3,560	\$1,296.76	\$31,246	\$60.01	\$1,446	\$1,894.71	\$45,654
	Fac/Debris	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Regrade	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Cover Soil	Apply Cover Soil as needed	25.916.05	cy	0.009	1.000	228.2	\$41.21	\$9,402	\$0.00	\$0	\$1.21	\$31,246	\$0.00	\$0	\$1.57	\$40,648
	Reveg	Broadcast & Harrow Fertilizer & Seed	24.10	ac	-	1.000	-	\$0.00	\$0	\$147.75	\$3,560	\$0.00	\$0	\$60.01	\$1,446	\$207.76	\$5,006
W-2 Portions of Waste Dump Top			9.00	ac	14.136	1.000	127.2	\$41.21	\$5,242	\$147.79	\$1,330	\$1,935.98	\$17,422	\$60.01	\$540	\$2,726.28	\$24,534
	Fac/Debris	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Regrade	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Cover Soil	Apply Cover Soil as needed	14,518.52	cy	0.009	1.000	127.2	\$41.21	\$5,242	\$0.00	\$0	\$1.20	\$17,422	\$0.00	\$0	\$1.56	\$22,664
	Reveg	Broadcast & Harrow Fertilizer & Seed	9.00	ac	-	1.000	-	\$0.00	\$0	\$147.79	\$1,330	\$0.00	\$0	\$60.01	\$540	\$207.80	\$1,870
W-3 Trench Area			1.03	ac	22.539	1.000	23.2	\$41.20	\$955	\$147.79	\$152	\$3,073.51	\$3,161	\$60.28	\$62	\$4,210.15	\$4,330
	Fac/Debris	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Regrade	Fill Misc Debris in Trench & Regrade to 3	20,000.00	cy	0.001	1.000	12.9	\$41.18	\$530	\$0.00	-	\$0.09	1,749.0	\$0.00	-	\$0.11	\$2,279
	Cover Soil	Apply Cover Soil	1,106.17	cy	0.009	1.000	10.3	\$41.22	\$425	\$0.00	\$0	\$1.28	\$1,412	\$0.00	\$0	\$1.66	\$1,837
	Reveg	Broadcast & Harrow Fertilizer & Seed	1.03	ac	-	1.000	-	\$0.00	\$0	\$147.79	\$152	\$0.00	\$0	\$60.28	\$62	\$208.08	\$214
W-4 Spot Sulfide Boils & Areas of Poor Reveg Establishment			0.27	ac	31.636	1.000	8.4	\$41.19	\$347	\$146.45	\$39	\$4,322.20	\$1,151	\$60.08	\$16	\$5,831.78	\$1,553
	Fac/Debris	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Regrade	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Cover Soil	Apply Cover Soil as needed	644.44	cy	0.013	1.000	8.4	\$41.19	\$347	\$0.00	-	\$1.79	1,151.0	\$0.00	-	\$2.32	\$1,498
	Reveg	Broadcast & Harrow Fertilizer & Seed	0.27	ac	-	1.000	-	\$0.00	\$0	\$146.45	\$39	\$0.00	\$0	\$60.08	\$16	\$206.53	\$55

Reclamation Cost Estimate - Rollup of Detail

Easy Junior Project

			TASK		LABOR				MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
			Qty	Unit	MH/Unit	Factor	ManHours	Rate	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	\$/Unit	\$
Total All Areas			147.05	ac	22.717	1.000	3,340.4	\$38.53	\$128,706	\$214.42	\$31,529	\$1,467.51	\$215,790	\$108.97	\$16,024	\$2,666.18	\$392,049
Total All Areas & Contractor's General			147.05	ac	30.497	1.000	4,484.5	\$41.59	\$186,521	\$258.00	\$37,938	\$1,731.17	\$254,561	\$255.76	\$37,609	\$3,513.40	\$516,629
Total All Areas, Contractor's General & 10% OHP			147.05	ac	30.497	1.000	4,484.5	\$45.75	\$205,173	\$283.80	\$41,732	\$1,904.29	\$280,017	\$281.34	\$41,370	\$3,864.74	\$568,292
W-5 Tire Bone Yard																	
			0.24	ac	60.911	1.000	14.7	\$32.83	\$482	\$186.69	\$45	\$10,695.02	\$2,578	\$15,407.79	\$3,714	\$28,289.11	\$6,819
	Fac/Debris	Offsite Disposal of Tires	1.00	LS	10.000	1.000	10.0	\$28.90	\$289	\$9.00	\$9.00	\$1,939.00	\$1,939.00	\$3,700.00	\$3,700.00	\$5,937.00	\$5,937
	Regrade	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Cover Soil	Apply Cover Soil	259.26	cy	0.018	1.000	4.7	\$41.22	\$193	\$0.00	\$0	\$2.46	\$639	\$0.00	\$0	\$3.21	\$832
	Reveg	Broadcast & Harrow Fertilizer & Seed	0.24	ac	-	1.000	-	\$0.00	\$0	\$149.35	\$36.00	\$0.00	-	\$58.08	\$14.00	\$207.43	\$50
Haul Road Area																	
HR-1 to HR-5 Pit & Waste Dump Intersection to Haul Road Junction			13.81	ac	7.677	1.000	106.0	\$41.21	\$4,370	\$147.78	\$2,041	\$1,049.18	\$14,490	\$59.95	\$828	\$1,573.33	\$21,729
	Fac/Debris	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Regrade	Re-contour to 3:1 slopes	4,700.00	cy	0.001	1.000	4.7	\$41.20	\$195	\$0.00	\$0	\$0.14	\$643	\$0.00	\$0	\$0.18	\$838
	Cover Soil	Apply Cover Soil	3,753.09	cy	0.006	1.000	21.9	\$41.20	\$902	\$0.00	\$0	\$0.80	\$2,995	\$0.00	\$0	\$1.04	\$3,897
	Reveg	Broadcast & Harrow Fertilizer & Seed	3.49	ac	-	1.000	-	\$0.00	\$0	\$147.87	\$516	\$0.00	\$0	\$59.90	\$209	\$207.77	\$725
HR-6 to HR-11 Haul Road Junction to Crusher Area			5.11	ac	7.555	1.000	38.6	\$41.22	\$1,590	\$147.68	\$754	\$1,032.59	\$5,272	\$59.93	\$306	\$1,551.63	\$7,922
	Fac/Debris	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Regrade	Re-contour to 3:1 slopes	11,000.00	cy	0.001	1.000	8.4	\$41.21	\$346	\$0.00	\$0	\$0.10	\$1,141	\$0.00	\$0	\$0.14	\$1,487
	Cover Soil	Apply Cover Soil	5,491.36	cy	0.005	1.000	30.2	\$41.22	\$1,244	\$0.00	\$0	\$0.75	\$4,131	\$0.00	\$0	\$0.98	\$5,375
	Reveg	Broadcast & Harrow Fertilizer & Seed	5.11	ac	-	1.000	-	\$0.00	\$0	\$147.68	\$754	\$0.00	\$0	\$59.93	\$306	\$207.62	\$1,060
HR-12 to HR-16 Haul Road Junction to Fuel Depot			5.22	ac	7.829	1.000	40.8	\$41.21	\$1,683	\$147.82	\$771	\$1,069.83	\$5,580	\$60.01	\$313	\$1,600.33	\$8,347
	Fac/Debris	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Regrade	Re-contour to 3:1 slopes	12,200.00	cy	0.001	1.000	10.1	\$41.22	\$416	\$0.00	\$0	\$0.11	\$1,372	\$0.00	\$0	\$0.15	\$1,788
	Cover Soil	Apply Cover Soil	5,609.88	cy	0.005	1.000	30.7	\$41.21	\$1,267	\$0.00	\$0	\$0.75	\$4,208	\$0.00	\$0	\$0.98	\$5,475
	Reveg	Broadcast & Harrow Fertilizer & Seed	5.22	ac	-	1.000	-	\$0.00	\$0	\$147.82	\$771	\$0.00	\$0	\$60.01	\$313	\$207.83	\$1,084

Reclamation Cost Estimate - Rollup of Detail

Easy Junior Project

	TASK		LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
	Qty	Unit	MH/Unit	Factor	ManHours	Rate	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	\$/Unit	\$	
Total All Areas	147.05	ac	22.717	1.000	3,340.4	\$38.53	\$128,706	\$214.42	\$31,529	\$1,467.51	\$215,790	\$108.97	\$16,024	\$2,666.18	\$392,049	
Total All Areas & Contractor's General	147.05	ac	30.497	1.000	4,484.5	\$41.59	\$186,521	\$258.00	\$37,938	\$1,731.17	\$254,561	\$255.76	\$37,609	\$3,513.40	\$516,629	
Total All Areas, Contractor's General & 10% OHP	147.05	ac	30.497	1.000	4,484.5	\$45.75	\$205,173	\$283.80	\$41,732	\$1,904.29	\$280,017	\$281.34	\$41,370	\$3,864.74	\$568,292	
Crusher & Fresh Water Pond Area	17.32	ac	22.851	1.000	395.8	\$38.69	\$15,315	\$164.89	\$2,856	\$1,191.97	\$20,646	\$60.04	\$1,040	\$2,301.09	\$39,857	
C-1 Crushing Equip Area	0.86	ac	112.731	1.000	97.0	\$39.46	\$3,830	\$262.52	\$226	\$4,299.08	\$3,701	\$60.40	\$52	\$9,070.93	\$7,809	
Fac/Debris	Dismantle & dispose of Crusher Debris	1.00	LS	84.000	1.000	84.0	\$39.20	\$3,293	\$99.00	\$99	\$1,921.00	\$1,921	\$0.00	\$0	\$5,313.00	\$5,313
Regrade	Bury broken Concrete & Regrade footprint	8,680.56	cy	0.001	1.000	7.0	\$41.15	\$290	\$0.00	\$0	\$0.11	\$958	\$0.00	\$0	\$0.14	\$1,248
Cover Soil	Apply Cover Soil to footprint	925.93	cy	0.006	1.000	6.0	\$41.16	\$247	\$0.00	\$0	\$0.89	\$822	\$0.00	\$0	\$1.15	\$1,069
Reveg	Broadcast & Harrow Fertilizer & Seed	0.86	ac	-	1.000	-	\$0.00	\$0	\$147.52	\$127	\$0.00	\$0	\$60.40	\$52	\$207.93	\$179
C-2 Lower Crushing Yard	6.98	ac	10.049	1.000	70.1	\$39.24	\$2,752	\$152.46	\$1,064	\$799.84	\$5,582	\$60.04	\$419	\$1,406.67	\$9,817	
Fac/Debris	Dispose of Crusher Debris	1.00	LS	30.000	1.000	30.0	\$36.63	\$1,099	\$33.00	\$33	\$89.00	\$89	\$0.00	\$0	\$1,221.00	\$1,221
Regrade	Minimal Grading at edges	1,500.00	cy	0.003	1.000	4.5	\$41.11	\$185	\$0.00	\$0	\$0.41	\$612	\$0.00	\$0	\$0.53	\$797
Cover Soil	Apply Cover Soil to footprint	6,004.94	cy	0.006	1.000	35.6	\$41.20	\$1,468	\$0.00	\$0	\$0.81	\$4,881	\$0.00	\$0	\$1.06	\$6,349
Reveg	Broadcast & Harrow Fertilizer & Seed	6.98	ac	-	1.000	-	\$0.00	\$0	\$147.73	\$1,031	\$0.00	\$0	\$60.04	\$419	\$207.77	\$1,450
C-3 Upper Crushing Yard	7.16	ac	9.920	1.000	71.1	\$39.27	\$2,790	\$152.32	\$1,091	\$796.92	\$5,708	\$60.03	\$430	\$1,398.81	\$10,019	
Fac/Debris	Dispose of Crusher Debris	1.00	LS	30.000	1.000	30.0	\$36.63	\$1,099	\$33.00	\$33.0	\$89.00	\$89.0	\$0.00	-	\$1,221.00	\$1,221
Regrade	Minimal Grading at edges	1,500.00	cy	0.003	1.000	4.5	\$41.11	\$185	\$0.00	-	\$0.41	\$612.0	\$0.00	-	\$0.53	\$797
Cover Soil	Apply Cover Soil to footprint	6,162.96	cy	0.006	1.000	36.6	\$41.20	\$1,506	\$0.00	\$0	\$0.81	\$5,007	\$0.00	\$0	\$1.06	\$6,513
Reveg	Broadcast & Harrow Fertilizer & Seed	7.16	ac	-	1.000	-	\$0.00	\$0	\$147.71	\$1,058	\$0.00	\$0	\$60.03	\$430	\$207.75	\$1,488
C-4 Fresh Water Pond	2.20	ac	56.686	1.000	124.9	\$37.90	\$4,735	\$192.84	\$425	\$2,321.84	\$5,117	\$59.90	\$132	\$4,723.08	\$10,409	
Fac/Debris	Dismantle & Dispose of Pump house & Pond	1.00	LS	90.000	1.000	90.0	\$36.61	\$3,295	\$99.00	\$99.0	\$355.00	\$355.0	\$0.00	-	\$3,749.00	\$3,749
Regrade	Push in Pond & Regrade	10,500.00	cy	0.002	1.000	20.5	\$41.22	\$845	\$0.00	-	\$0.27	2,786.0	\$0.00	-	\$0.35	\$3,631
Cover Soil	Apply Cover Soil to footprint	2,370.37	cy	0.006	1.000	14.4	\$41.24	\$595	\$0.00	-	\$0.83	1,976.0	\$0.00	-	\$1.08	\$2,571
Reveg	Broadcast & Harrow Fertilizer & Seed	2.20	ac	-	1.000	-	\$0.00	\$0	\$147.92	\$326	\$0.00	\$0	\$59.90	\$132	\$207.82	\$458
C-5 Water Truck Stand Pipe	0.11	ac	284.477	1.000	32.7	\$36.99	\$1,208	\$435.60	\$50	\$4,687.06	\$538	\$60.98	\$7	\$15,707.74	\$1,803	
Fac/Debris	Dismantle & Dispose Standpipe & near surface utils	1.00	LS	30.000	1.000	30.0	\$36.63	\$1,099	\$33.00	\$33.0	\$177.00	\$177.0	\$0.00	-	\$1,309.00	\$1,309
Regrade	Minor Regrade	500.00	cy	0.003	1.000	1.3	\$41.25	\$55	\$0.00	-	\$0.36	\$181.0	\$0.00	-	\$0.47	\$236
Cover Soil	Apply Cover Soil to footprint	123.46	cy	0.011	1.000	1.3	\$40.90	\$54	\$0.00	\$0	\$1.46	\$180	\$0.00	\$0	\$1.90	\$234
Reveg	Broadcast & Harrow Fertilizer & Seed	0.11	ac	-	1.000	-	\$0.00	\$0	\$148.10	\$17.0	\$0.00	-	\$60.98	\$7.0	\$209.09	\$24

Reclamation Cost Estimate - Rollup of Detail

Easy Junior Project

	TASK		LABOR				MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL					
	Qty	Unit	MH/Unit	Factor	ManHours	Rate	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	\$/Unit	\$			
Total All Areas	147.05	ac	22.717	1.000	3,340.4	\$38.53	\$128,706	\$214.42	\$31,529	\$1,467.51	\$215,790	\$108.97	\$16,024	\$2,666.18	\$392,049			
Total All Areas & Contractor's General	147.05	ac	30.497	1.000	4,484.5	\$41.59	\$186,521	\$258.00	\$37,938	\$1,731.17	\$254,561	\$255.76	\$37,609	\$3,513.40	\$516,629			
Total All Areas, Contractor's General & 10% OHP	147.05	ac	30.497	1.000	4,484.5	\$45.75	\$205,173	\$283.80	\$41,732	\$1,904.29	\$280,017	\$281.34	\$41,370	\$3,864.74	\$568,292			
Heap Leach Pad Area - 3:1 Slope, no Catch Bench																		
HLP-1	29.10	ac	26.729	1.000	777.8	\$38.98	\$30,319	\$226.39	\$6,588	\$2,226.42	\$64,789	\$60.00	\$1,746	\$3,554.70	\$103,442			
HLP-1	24.84	ac	26.485	1.000	657.9	\$39.20	\$25,790	\$225.81	\$5,609	\$2,432.27	\$60,416	\$59.99	\$1,490	\$3,756.35	\$93,305			
	Fac/Debris	Dispose of heap debris & prepare sump drains	1.00	LS	225.000	1.000	225.0	\$35.35	\$7,953	\$1,939.00	\$1,939	\$1,301.00	\$1,301	\$0.00	\$0	\$11,193.00	\$11,193	
	Regrade	Regrade Heap to 3 1 Slopes	125.300	00	cy	0.001	1.000	157.7	\$41.21	\$6,498	\$0.00	\$0	\$0.17	\$21,429	\$0.00	\$0	\$0.22	\$27,927
	Cover Soil	Apply Cover Soil to heap	40.074	07	cy	0.007	1.000	275.2	\$41.21	\$11,339	\$0.00	\$0	\$0.94	\$37,686	\$0.00	\$0	\$1.22	\$49,025
	Reveg	Broadcast & Harrow Fertilizer & Seed	24.84	ac	-	1.000	-	\$0.00	\$0	\$147.75	\$3,670	\$0.00	\$0	\$59.99	\$1,490	\$207.74	\$5,160	
HLP-2	4.26	ac	28.151	1.000	119.9	\$37.76	\$4,529	\$229.77	\$979	\$1,026.34	\$4,373	\$60.08	\$256	\$2,379.14	\$10,137			
	Fac/Debris	Level Distribution Box & Dispose of Process Debris	1.00	LS	90.000	1.000	90.0	\$36.61	\$3,295	\$349.00	\$349	\$284.00	\$284	\$0.00	\$0	\$3,928.00	\$3,928	
	Regrade	Regrade footprint to exclude run-on	5.000	00	cy	0.002	1.000	10.3	\$41.23	\$426	\$0.00	\$0	\$0.28	\$1,404	\$0.00	\$0	\$0.37	\$1,830
	Cover Soil	Apply Cover Soil to footprint	5.499	26	cy	0.004	1.000	19.6	\$41.20	\$808	\$0.00	\$0	\$0.49	\$2,685	\$0.00	\$0	\$0.64	\$3,493
	Reveg	Broadcast & Harrow Fertilizer & Seed	4.26	ac	-	1.000	-	\$0.00	\$0	\$147.86	\$630	\$0.00	\$0	\$60.08	\$256	\$207.94	\$886	
Process Pond Area																		
PP-1	11.20	ac	72.233	1.000	809.2	\$37.67	\$30,481	\$210.30	\$2,356	\$2,510.68	\$28,127	\$372.40	\$4,172	\$5,814.19	\$65,136			
PP-1	1.47	ac	27.293	1.000	40.1	\$37.81	\$1,516	\$170.16	\$250	\$915.44	\$1,345	\$59.90	\$88	\$2,177.32	\$3,199			
	Fac/Debris	Dismantle & dispose of process debris	1.00	LS	30.000	1.000	30.0	\$36.63	\$1,099	\$33.00	\$33	\$89.00	\$89	\$0.00	\$0	\$1,221.00	\$1,221	
	Regrade	Regrade footprint to exclude run-on	1.000	00	cy	0.002	1.000	2.2	\$41.36	\$91	\$0.00	\$0	\$0.29	\$294	\$0.00	\$0	\$0.39	\$385
	Cover Soil	Apply Cover Soil to footprint	1.580	25	cy	0.005	1.000	7.9	\$41.27	\$326	\$0.00	\$0	\$0.61	\$962	\$0.00	\$0	\$0.82	\$1,288
	Reveg	Broadcast & Harrow Fertilizer & Seed	1.47	ac	-	1.000	-	\$0.00	\$0	\$147.70	\$217	\$0.00	\$0	\$59.90	\$88	\$207.59	\$305	
PP-2	0.73	ac	139.133	1.000	102.2	\$37.16	\$3,798	\$291.31	\$214	\$4,753.49	\$3,492	\$2,782.40	\$2,044	\$12,997.22	\$9,548			
	Fac/Debris	Dismantle & dispose of debris	1.00	LS	95.000	1.000	95.0	\$36.85	\$3,501	\$105.00	\$105	\$2,572.00	\$2,572	\$2,000.00	\$2,000	\$8,178.00	\$8,178	
	Regrade	Regrade footprint to exclude run-on	500.00	00	cy	0.003	1.000	1.3	\$41.35	\$55	\$0.00	\$0	\$0.36	\$181	\$0.00	\$0	\$0.47	\$236
	Cover Soil	Apply Cover Soil to footprint	1,185	19	cy	0.005	1.000	5.9	\$41.16	\$242	\$0.00	\$0	\$0.62	\$739	\$0.00	\$0	\$0.83	\$981
	Reveg	Broadcast & Harrow Fertilizer & Seed	0.73	ac	-	1.000	-	\$0.00	\$0	\$148.38	\$109	\$0.00	\$0	\$59.90	\$44	\$208.27	\$153	
PP-3	1.07	ac	215.049	1.000	229.1	\$36.99	\$8,474	\$369.88	\$394	\$2,776.95	\$2,958	\$1,468.27	\$1,564	\$12,570.44	\$13,390			
	Fac/Debris	Dismantle & dispose of debris	1.00	LS	215.000	1.000	215.0	\$36.72	\$7,894	\$237.00	\$237	\$1,148.00	\$1,148	\$1,500.00	\$1,500	\$10,779.00	\$10,779	
	Regrade	Regrade footprint to exclude run-on	2,500	00	cy	0.002	1.000	5.2	\$41.20	\$213	\$0.00	\$0	\$0.28	\$702	\$0.00	\$0	\$0.37	\$915
	Cover Soil	Apply Cover Soil to footprint	1,718	52	cy	0.005	1.000	8.9	\$41.24	\$367	\$0.00	\$0	\$0.64	\$1,108	\$0.00	\$0	\$0.86	\$1,475
	Reveg	Broadcast & Harrow Fertilizer & Seed	1.07	ac	-	1.000	-	\$0.00	\$0	\$147.39	\$157	\$0.00	\$0	\$60.08	\$64	\$207.47	\$221	

Reclamation Cost Estimate - Rollup of Detail

Easy Junior Project

			TASK		LABOR				MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
			Qty	Unit	MH/Unit	Factor	ManHours	Rate	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	\$/Unit	\$
Total All Areas			147.05	ac	22.717	1.000	3,340.4	\$38.53	\$128,706	\$214.42	\$31,529	\$1,467.51	\$215,790	\$108.97	\$16,024	\$2,666.18	\$392,049
Total All Areas & Contractor's General			147.05	ac	30.497	1.000	4,484.5	\$41.59	\$186,521	\$258.00	\$37,938	\$1,731.17	\$254,561	\$255.76	\$37,609	\$3,513.40	\$516,629
Total All Areas, Contractor's General & 10% OHP			147.05	ac	30.497	1.000	4,484.5	\$45.75	\$205,173	\$283.80	\$41,732	\$1,904.29	\$280,017	\$281.34	\$41,370	\$3,864.74	\$568,292
PP-4 Barren Pond			2.68	ac	101.516	1.000	272.2	\$37.66	\$10,252	\$236.07	\$633	\$3,400.51	\$9,118	\$60.04	\$161	\$7,520.07	\$20,164
	Fac/Debris	Dismantle & dispose of debris	1.00	LS	215.000	1.000	215.0	\$36.72	\$7,895	\$237.00	\$237	\$1,326.00	\$1,326	\$0.00	\$0	\$9,458.00	\$9,458
	Regrade	Regrade footprint to exclude run-on	21.500	cy	0.002	1.000	37.8	\$41.21	\$1,559	\$0.00	\$0	\$0.24	\$5,141	\$0.00	\$0	\$0.31	\$6,700
	Cover Soil	Apply Cover Soil to footprint	4,325.93	cy	0.004	1.000	19.4	\$41.20	\$798	\$0.00	\$0	\$0.61	\$2,651	\$0.00	\$0	\$0.80	\$3,449
	Reveg	Broadcast & Harrow Fertilizer & Seed	2.68	ac	-	1.000	-	\$0.00	\$0	\$147.69	\$396	\$0.00	\$0	\$60.04	\$161	\$207.73	\$557
PP-5 Storm Pond			4.04	ac	37.271	1.000	150.6	\$38.91	\$5,860	\$169.79	\$686	\$2,503.22	\$10,114	\$59.90	\$242	\$4,183.25	\$16,902
	Fac/Debris	Dismantle & dispose of debris	1.00	LS	80.000	1.000	80.0	\$36.89	\$2,951	\$89.00	\$89	\$491.00	\$491	\$0.00	\$0	\$3,531.00	\$3,531
	Regrade	Regrade footprint to exclude run-on	23.200	cy	0.002	1.000	41.7	\$41.21	\$1,717	\$0.00	\$0	\$0.24	\$5,662	\$0.00	\$0	\$0.32	\$7,379
	Cover Soil	Apply Cover Soil to footprint	6,518.52	cy	0.004	1.000	28.9	\$41.21	\$1,192	\$0.00	\$0	\$0.61	\$3,961	\$0.00	\$0	\$0.79	\$5,153
	Reveg	Broadcast & Harrow Fertilizer & Seed	4.04	ac	-	1.000	-	\$0.00	\$0	\$147.76	\$597	\$0.00	\$0	\$59.90	\$242	\$207.65	\$839
PP-6 Borrow Area South of Ponds			1.21	ac	12.418	1.000	15.1	\$38.60	\$581	\$147.68	\$179	\$907.50	\$1,100	\$60.23	\$73	\$1,594.73	\$1,933
	Fac/Debris	Remove debris & Regrade	1,000.00	cy	0.009	1.000	9.2	\$36.87	\$338	\$0.00	\$0	\$0.29	\$294	\$0.00	\$0	\$0.63	\$632
	Regrade	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Cover Soil	Apply Cover Soil to footprint	1,303.70	cy	0.005	1.000	5.9	\$41.29	\$243	\$0.00	\$0	\$0.62	\$806	\$0.00	\$0	\$0.80	\$1,049
	Reveg	Broadcast & Harrow Fertilizer & Seed	1.21	ac	-	1.000	-	\$0.00	\$0	\$147.68	\$179	\$0.00	\$0	\$60.23	\$73	\$207.90	\$252
Process Plant, Truckshop & Office Area			13.70	ac	32.736	1.000	448.4	\$37.59	\$16,855	\$170.84	\$2,340	\$1,304.23	\$17,864	\$59.94	\$821	\$2,765.58	\$37,880
PTO-1 Adsorption Plant (Carbon Column Area)			0.88	ac	50.688	1.000	44.7	\$38.13	\$1,704	\$196.25	\$173	\$2,282.36	\$2,012	\$60.12	\$53	\$4,471.71	\$3,942
	Fac/Debris	Dismantle & dispose of process debris	1.00	LS	38.000	1.000	38.0	\$37.61	\$1,429	\$43.00	\$43	\$1,098.00	\$1,098	\$0.00	\$0	\$2,570.00	\$2,570
	Regrade	Regrade footprint to exclude run-on	500.00	cy	0.003	1.000	1.3	\$41.25	\$55	\$0.00	\$0	\$0.36	\$181	\$0.00	\$0	\$0.47	\$236
	Cover Soil	Apply Cover Soil to footprint	1,422.22	cy	0.004	1.000	5.4	\$41.12	\$220	\$0.00	\$0	\$0.52	\$733	\$0.00	\$0	\$0.67	\$953
	Reveg	Broadcast & Harrow Fertilizer & Seed	0.88	ac	-	1.000	-	\$0.00	\$0	\$147.47	\$130	\$0.00	\$0	\$60.12	\$53	\$207.59	\$183
PTO-2 Pregnant Solution Tank Area			0.58	ac	173.058	1.000	100.1	\$37.08	\$3,712	\$181.50	\$105	\$2,579.03	\$1,492	\$60.50	\$35	\$9,237.49	\$5,344
	Fac/Debris	Dismantle & dispose of process debris	1.00	LS	95.000	1.000	95.0	\$36.85	\$3,501	\$105.00	\$105.0	\$793.00	\$793.0	\$0.00	\$0	\$4,399.00	\$4,399
	Regrade	Regrade footprint to exclude run-on	500.00	cy	0.003	1.000	1.3	\$41.25	\$55	\$0.00	\$0	\$0.36	\$181	\$0.00	\$0	\$0.47	\$236
	Cover Soil	Apply Cover Soil to footprint	933.33	cy	0.004	1.000	3.8	\$41.24	\$156	\$0.00	\$0	\$0.56	\$518	\$0.00	\$0	\$0.72	\$674
	Reveg	Broadcast & Harrow Fertilizer & Seed	0.58	ac	-	1.000	-	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$60.50	\$35	\$60.50	\$35
PTO-3 Area South of Truck Shop			2.34	ac	18.722	1.000	43.8	\$38.07	\$1,669	\$163.14	\$382	\$831.91	\$1,948	\$59.79	\$140	\$1,767.60	\$4,139
	Fac/Debris	Dismantle & dispose of surface utilities misc debris	1.00	LS	32.500	1.000	32.5	\$36.98	\$1,202	\$36.00	\$36.0	\$397.00	\$397.0	\$0.00	\$0	\$1,635.00	\$1,635
	Regrade	Regrade footprint to exclude run-on	750.00	cy	0.002	1.000	1.8	\$41.14	\$72	\$0.00	\$0	\$0.32	\$238	\$0.00	\$0	\$0.41	\$310
	Cover Soil	Apply Cover Soil to footprint	2,518.52	cy	0.004	1.000	9.6	\$41.19	\$395	\$0.00	\$0	\$0.52	\$1,313	\$0.00	\$0	\$0.68	\$1,708
	Reveg	Broadcast & Harrow Fertilizer & Seed	2.34	ac	-	1.000	-	\$0.00	\$0	\$147.76	\$346	\$0.00	\$0	\$59.79	\$140	\$207.55	\$486

Reclamation Cost Estimate - Rollup of Detail

Easy Junior Project

	TASK		LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL	
	Qty	Unit	MH/Unit	Factor	ManHours	Rate	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	\$/Unit	\$
Total All Areas	147.05	ac	22.717	1.000	3,340.4	\$38.53	\$128,706	\$214.42	\$31,529	\$1,467.51	\$215,790	\$108.97	\$16,024	\$2,666.18	\$392,049
Total All Areas & Contractor's General	147.05	ac	30.497	1.000	4,484.5	\$41.59	\$186,521	\$258.00	\$37,938	\$1,731.17	\$254,561	\$255.76	\$37,609	\$3,513.40	\$516,629
Total All Areas, Contractor's General & 10% OHP	147.05	ac	30.497	1.000	4,484.5	\$45.75	\$205,173	\$283.80	\$41,732	\$1,904.29	\$280,017	\$281.34	\$41,370	\$3,864.74	\$568,292

PTO-4 Office Area		3.47	ac	14.520	1.000	50.4	\$38.49	\$1,940	\$158.74	\$551	\$814.45	\$2,827	\$59.92	\$208	\$1,592.01	\$5,526	
	Fac/Debris	Dismantle & dispose of surface utilities misc debris	1.00	LS	34.000	1.000	34.0	\$37.18	\$1,264	\$38.00	38.0	\$585.00	585.0	\$0.00	\$1,887.00	\$1,887	
	Regrade	Minor Contouring & Finish Grading	1,000.00	cy	0.002	1.000	1.7	\$41.40	\$69	\$0.00	\$0	\$0.23	\$226	\$0.00	\$0	\$0.30	\$295
	Cover Soil	Apply Cover Soil to footprint	3,733.33	cy	0.004	1.000	14.7	\$41.20	\$607	\$0.00	\$0	\$0.54	\$2,016	\$0.00	\$0	\$0.70	\$2,623
	Reveg	Broadcast & Harrow Fertilizer & Seed	3.47	ac	-	1.000	-	\$0.00	\$0	\$147.79	\$513	\$0.00	\$0	\$59.92	\$208	\$207.72	\$721
PTO-5 Truck Shop Area		3.82	ac	36.784	1.000	140.5	\$38.26	\$5,376	\$181.67	\$694	\$1,789.78	\$6,837	\$59.95	\$229	\$3,438.73	\$13,136	
	Fac/Debris	Dismantle & dispose of surface utilities misc debris	1.00	LS	115.000	1.000	115.0	\$37.61	\$4,325	\$130.00	130.0	\$3,345.00	3,345.0	\$0.00	\$7,800.00	\$7,800	
	Regrade	Regrade footprint to exclude run-on	1,500.00	cy	0.002	1.000	3.5	\$41.14	\$144	\$0.00	\$0	\$0.32	\$476	\$0.00	\$0	\$0.41	\$620
	Cover Soil	Apply Cover Soil to footprint	6,162.96	cy	0.004	1.000	22.0	\$41.19	\$907	\$0.00	\$0	\$0.49	\$3,016	\$0.00	\$0	\$0.64	\$3,923
	Reveg	Broadcast & Harrow Fertilizer & Seed	3.82	ac	-	1.000	-	\$0.00	\$0	\$147.64	\$564	\$0.00	\$0	\$59.95	\$229	\$207.59	\$793
PTO-6 Bone Yard North of Truck Shop		2.00	ac	21.184	1.000	42.3	\$37.96	\$1,607	\$164.15	\$328	\$887.31	\$1,773	\$60.06	\$120	\$1,915.76	\$3,828	
	Fac/Debris	Dismantle & dispose of misc debris	1.00	LS	30.000	1.000	30.0	\$36.63	\$1,099	\$33.00	33.0	\$89.00	89.0	\$0.00	\$1,221.00	\$1,221	
	Regrade	Recontour & Finish Grading	3,000.00	cy	0.001	1.000	4.0	\$41.25	\$165	\$0.00	\$0	\$0.18	\$544	\$0.00	\$0	\$0.24	\$709
	Cover Soil	Apply Cover Soil to footprint	2,149.14	cy	0.004	1.000	8.3	\$41.18	\$343	\$0.00	\$0	\$0.53	\$1,140	\$0.00	\$0	\$0.69	\$1,483
	Reveg	Broadcast & Harrow Fertilizer & Seed	2.00	ac	-	1.000	-	\$0.00	\$0	\$147.64	\$295	\$0.00	\$0	\$60.06	\$120	\$207.69	\$415
PTO-7 Fuel Depot Area		0.61	ac	43.727	1.000	26.5	\$31.96	\$847	\$176.55	\$107	\$1,608.75	\$975	\$59.40	\$36	\$3,242.25	\$1,965	
	Fac/Debris	Dismantle utilities & dispose of debris	1.00	LS	20.000	1.000	20.0	\$28.95	\$579	\$17.00	17.0	\$89.00	89.0	\$0.00	\$685.00	\$685	
	Regrade	Recontour & Finish Grading	1,000.00	cy	0.003	1.000	2.7	\$41.25	\$110	\$0.00	\$0	\$0.36	\$362	\$0.00	\$0	\$0.47	\$472
	Cover Soil	Apply Cover Soil to footprint	977.78	cy	0.004	1.000	3.8	\$41.21	\$158	\$0.00	\$0	\$0.54	\$524	\$0.00	\$0	\$0.70	\$682
	Reveg	Broadcast & Harrow Fertilizer & Seed	0.61	ac	-	1.000	-	\$0.00	\$0	\$148.50	\$90	\$0.00	\$0	\$59.40	\$36	\$207.90	\$126

Cover Soil Areas		12.68	ac	1.657	1.000	21.0	\$41.19	\$865	\$147.75	\$1,873	\$225.06	\$2,853	\$60.03	\$761	\$501.07	\$6,352	
TS-1 Onsite Cover Soil Stock Pile		3.38	ac	2.614	1.000	8.8	\$41.21	\$364	\$147.67	\$499	\$355.11	\$1,200	\$60.07	\$203	\$670.56	\$2,266	
	Fac/Debris	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	Regrade	Re-contour, Finish Grading & Scarify	5,000.00	cy	0.002	1.000	8.8	\$41.21	\$364	\$0.00	\$0	\$0.24	\$1,200	\$0.00	\$0	\$0.31	\$1,564
	Cover Soil	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	Reveg	Broadcast & Harrow Fertilizer & Seed	3.38	ac	-	1.000	-	\$0.00	\$0	\$147.67	\$499	\$0.00	\$0	\$60.07	\$203	\$207.74	\$702

Reclamation Cost Estimate - Rollup of Detail

Easy Junior Project

			TASK		LABOR				MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
			Qty	Unit	MH/Unit	Factor	ManHours	Rate	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	\$/Unit	\$
Total All Areas			147.05	ac	22.717	1.000	3,340.4	\$38.53	\$128,706	\$214.42	\$31,529	\$1,467.51	\$215,790	\$108.97	\$16,024	\$2,666.18	\$392,049
Total All Areas & Contractor's General			147.05	ac	30.497	1.000	4,484.5	\$41.59	\$186,521	\$258.00	\$37,938	\$1,731.17	\$254,561	\$255.76	\$37,609	\$3,513.40	\$516,629
Total All Areas, Contractor's General & 10% OHP			147.05	ac	30.497	1.000	4,484.5	\$45.75	\$205,173	\$283.80	\$41,732	\$1,904.29	\$280,017	\$281.34	\$41,370	\$3,864.74	\$568,292
TS-2 Alternative Cover Soil Borrow Area																	
			9.30	ac	1.309	1.000	12.2	\$41.18	\$501	\$147.78	\$1,374	\$177.79	\$1,653	\$60.02	\$558	\$439.47	\$4,086
	Fac/Debris	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Regrade	Re-contour, Finish Grading & Scarify	7,000.00	cy	0.002	1.000	12.2	\$41.18	\$501	\$0.00	\$0	\$0.24	\$1,653	\$0.00	\$0	\$0.31	\$2,154
	Cover Soil	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Reveg	Broadcast & Harrow Fertilizer & Seed	9.30	ac	-	1.000	-	\$0.00	-	\$147.78	1,374.0	\$0.00	-	\$60.02	558.0	\$207.80	\$1,932
Access Roads																	
AR-1 Road to Pit, Southern Offset of Primary Pre-mine Road			6.11	ac	9.248	1.000	56.5	\$41.20	\$2,327	\$147.87	\$903	\$999.75	\$6,105	\$60.10	\$367	\$1,588.79	\$9,702
			1.38	ac	8.442	1.000	11.6	\$41.19	\$479	\$148.10	\$204	\$892.25	\$1,229	\$60.26	\$83	\$1,448.37	\$1,995
	Fac/Debris	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Regrade	Minor Regrade & Scarify	1,500.00	cy	0.006	1.000	9.2	\$41.17	\$377	\$0.00	\$0	\$0.59	\$892	\$0.00	\$0	\$0.85	\$1,269
	Cover Soil	Apply Cover Soil as needed (assume 30%)	444.44	cy	0.006	1.000	2.5	\$41.29	\$102	\$0.00	\$0	\$0.76	\$337	\$0.00	\$0	\$0.99	\$439
	Reveg	Broadcast & Harrow Fertilizer & Seed	1.38	ac	-	1.000	-	\$0.00	\$0	\$148.10	\$204	\$0.00	\$0	\$60.26	\$83	\$208.36	\$287
AR-2 Easy Junior By-pass Road			3.58	ac	9.342	1.000	33.5	\$41.19	\$1,378	\$147.71	\$529	\$1,026.73	\$3,677	\$60.03	\$215	\$1,619.26	\$5,795
	Fac/Debris	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Regrade	Minor Regrade & Scarify	3,900.00	cy	0.006	1.000	22.2	\$41.20	\$915	\$0.00	\$0	\$0.55	\$2,138	\$0.00	\$0	\$0.78	\$3,053
	Cover Soil	Apply Cover Soil as needed (assume 60%)	2,311.11	cy	0.005	1.000	11.2	\$41.17	\$463	\$0.00	\$0	\$0.67	\$1,539	\$0.00	\$0	\$0.87	\$2,002
	Reveg	Broadcast & Harrow Fertilizer & Seed	3.58	ac	-	1.000	-	\$0.00	\$0	\$147.71	\$529	\$0.00	\$0	\$60.03	\$215	\$207.75	\$744
AR-3 Spur Road			1.15	ac	9.922	1.000	11.4	\$41.27	\$470	\$148.10	\$170	\$1,044.57	\$1,199	\$60.11	\$69	\$1,662.25	\$1,908
	Fac/Debris	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Regrade	Minor Regrade & Scarify	1,000.00	cy	0.007	1.000	7.1	\$41.24	\$293	\$0.00	\$0	\$0.61	\$613	\$0.00	\$0	\$0.91	\$906
	Cover Soil	Apply Cover Soil as needed (assume 60%)	740.74	cy	0.006	1.000	4.3	\$41.32	\$177	\$0.00	\$0	\$0.79	\$586	\$0.00	\$0	\$1.03	\$763
	Reveg	Broadcast & Harrow Fertilizer & Seed	1.15	ac	-	1.000	-	\$0.00	\$0	\$148.10	\$170	\$0.00	\$0	\$60.11	\$69	\$208.22	\$239
Miscellaneous Areas																	
M-F1 6 ft Chain Link Fence at Process Pond Area, 2215 ft			6.05	ac	32.549	1.000	196.9	\$36.94	\$7,275	\$181.31	\$1,097	\$250.90	\$1,518	\$60.16	\$364	\$1,694.80	\$10,254
			-	ac	-	1.000	44.3	\$36.59	\$1,621	\$0.00	\$49	\$0.00	\$105	\$0.00	\$0	\$0.00	\$1,775
	Fac/Debris	Rollup Chain Link & pull posts	2,215.00	ft	0.020	1.000	44.3	\$36.59	\$1,621	\$0.02	\$49	\$0.05	\$105	\$0.00	\$0	\$0.80	\$1,775
	Regrade	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Cover Soil	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Reveg	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Reclamation Cost Estimate - Rollup of Detail

Easy Junior Project

		TASK		LABOR				MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
		Qty	Unit	MH/Unit	Factor	ManHours	Rate	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	\$/Unit	\$
Total All Areas		147.05	ac	22.717	1.000	3,340.4	\$38.53	\$128,706	\$214.42	\$31,529	\$1,467.51	\$215,790	\$108.97	\$16,024	\$2,666.18	\$392,049
Total All Areas & Contractor's General		147.05	ac	30.497	1.000	4,484.5	\$41.59	\$186,521	\$258.00	\$37,938	\$1,731.17	\$254,561	\$255.76	\$37,609	\$3,513.40	\$516,629
Total All Areas, Contractor's General & 10% OHP		147.05	ac	30.497	1.000	4,484.5	\$45.75	\$205,173	\$283.80	\$41,732	\$1,904.29	\$280,017	\$281.34	\$41,370	\$3,864.74	\$568,292
M-F2	6 ft Chain Link for Plant, Truckshop, Office & Fuel area, 2860 ft	-	ac	-	1.000	57.2	\$36.61	\$2,094	\$0.00	\$63	\$0.00	\$135	\$0.00	\$0	\$0.00	\$2,292
	Fac/Debris Rollup Chain Link & pull posts	2,860.00	ft	0.020	1.000	57.2	\$36.61	\$2,094	\$0.02	\$63	\$0.05	\$135	\$0.00	\$0	\$0.80	\$2,292
	Regrade None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Cover Soil None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Reveg None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
M-F2a	6 ft Chain Link at Truckshop, 140 ft	-	ac	-	1.000	2.8	\$36.79	\$103	\$0.00	\$3	\$0.00	\$7	\$0.00	\$0	\$0.00	\$113
	Fac/Debris Rollup & pull posts	140.00	ft	0.020	1.000	2.8	\$36.79	\$103	\$0.02	\$3	\$0.05	\$7	\$0.00	\$0	\$0.81	\$113
	Regrade None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Cover Soil None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Reveg None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
M-F3	6 ft Chain Link for Fresh Water Pond, 760 ft	-	ac	-	1.000	15.2	\$36.58	\$556	\$0.00	\$17	\$0.00	\$36	\$0.00	\$0	\$0.00	\$609
	Fac/Debris Rollup & pull posts	760.00	ft	0.020	1.000	15.2	\$36.58	\$556	\$0.02	\$17	\$0.05	\$36	\$0.00	\$0	\$0.80	\$609
	Regrade None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Cover Soil None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Reveg None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
M-F4	4 ft Field Fence, Northern Portion, 4880 ft	2.52	ac	11.267	1.000	28.4	\$37.29	\$1,059	\$158.69	\$400	\$68.24	\$172	\$59.90	\$151	\$706.96	\$1,782
	Fac/Debris Rollup & pull posts	4,880.00	ft	0.005	1.000	25.4	\$36.81	\$935	\$0.01	\$28	\$0.01	\$29	\$0.00	\$0	\$0.20	\$997
	Regrade Regrade Roads	1,200.00	cy	0.003	1.000	3.0	\$41.33	\$124	\$0.00	\$0	\$0.12	\$143	\$0.00	\$0	\$0.22	\$267
	Cover Soil None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Reveg Broadcast & Harrow Fertilizer & Seed	2.52	ac	-	1.000	-	\$0.00	\$0	\$147.58	\$372	\$0.00	\$0	\$59.90	\$151	\$207.49	\$523

Reclamation Cost Estimate - Rollup of Detail

Easy Junior Project

	TASK		LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL	
	Qty	Unit	MH/Unit	Factor	ManHours	Rate	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	\$/Unit	\$
Total All Areas	147.05	ac	22.717	1.000	3,340.4	\$38.53	\$128,706	\$214.42	\$31,529	\$1,467.51	\$215,790	\$108.97	\$16,024	\$2,666.18	\$392,049
Total All Areas & Contractor's General	147.05	ac	30.497	1.000	4,484.5	\$41.59	\$186,521	\$258.00	\$37,938	\$1,731.17	\$254,561	\$255.76	\$37,609	\$3,513.40	\$516,629
Total All Areas, Contractor's General & 10% OHP	147.05	ac	30.497	1.000	4,484.5	\$45.75	\$205,173	\$283.80	\$41,732	\$1,904.29	\$280,017	\$281.34	\$41,370	\$3,864.74	\$568,292

M-F5	5 ft Field Fence, Southern Portion, 4750 ft		2.73	ac	10.179	1.000	27.8	\$37.26	\$1,034	\$157.73	\$430	\$62.73	\$171	\$60.16	\$164	\$659.91	\$1,799
	Fac/Debris	Rollup & pull posts	4.750.00	ft	0.005	1.000	24.8	\$36.77	\$910	\$0.01	\$27	\$0.01	\$28	\$0.00	\$0	\$0.20	\$965
	Regrade	Regrade Roads	1,200.00	cy	0.003	1.000	3.0	\$41.33	\$124	\$0.00	\$0	\$0.12	\$143	\$0.00	\$0	\$0.22	\$267
	Cover Soil	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Reveg	Broadcast & Harrow Fertilizer & Seed	2.73	ac	-	1.000	-	\$0.00	\$0	\$147.83	\$403	\$0.00	\$0	\$60.16	\$164	\$207.99	\$567
M-2	Small Bone Yard near Haul Road Junction		0.34	ac	48.544	1.000	16.7	\$37.09	\$620	\$194.57	\$67	\$781.18	\$269	\$60.98	\$21	\$2,837.21	\$977
	Fac/Debris	Dispose of misc debris	1.00	LS	15.000	1.000	15.0	\$36.60	\$549	\$16.00	16.0	\$35.00	35.0	\$0.00	-	\$600.00	\$600
	Regrade	Minor Regrade of footprint	200.00	cy	0.003	1.000	0.5	\$41.25	\$22	\$0.00	\$0	\$0.36	\$72	\$0.00	\$0	\$0.47	\$94
	Cover Soil	Apply Cover Soil to footprint	185.19	Mhr	0.006	1.000	1.2	\$41.43	\$49	\$0.00	\$0	\$0.87	\$162	\$0.00	\$0	\$1.14	\$211
	Reveg	Broadcast & Harrow Fertilizer & Seed	0.34	ac	-	1.000	-	\$0.00	\$0	\$148.10	\$51	\$0.00	\$0	\$60.98	\$21	\$209.09	\$72
M-3	Borrow Area West of By-Pass Road		0.46	ac	9.944	1.000	4.6	\$41.18	\$188	\$148.10	\$68	\$1,356.89	\$623	\$60.98	\$28	\$1,975.45	\$907
	Fac/Debris	None	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Regrade	Minor Regrade of footprint	1,200.00	cy	0.002	1.000	2.5	\$41.20	\$103	\$0.00	-	\$0.28	340.0	\$0.00	-	\$0.37	\$443
	Cover Soil	Apply Cover Soil to footprint	370.37	cy	0.006	1.000	2.1	\$41.15	\$85	\$0.00	\$0	\$0.76	\$283	\$0.00	\$0	\$0.99	\$368
	Reveg	Broadcast & Harrow Fertilizer & Seed	0.46	ac	-	1.000	-	\$0.00	\$0	\$148.10	\$68	\$0.00	\$0	\$60.98	\$28	\$209.09	\$96

Contractor's General Items			Qty	Unit	MH/Unit	Factor	ManHours	Rate	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	\$/Unit	\$
GC-1	Contractor's Supervision		-	ac	-	1.000	1,144.1	\$50.53	\$57,815	\$0.00	\$6,409	\$0.00	\$38,771	\$0.00	\$21,585	\$0.00	\$124,580
	Other	Field Supervisor	12.00	wks	50.000	1.000	600.0	\$59.40	\$35,640	\$0.00	\$2,400	\$0.00	\$4,818	\$0.00	\$0	\$0.00	\$42,858
GC-2	Field Support		-	ac	-	1.000	520.1	\$41.20	\$21,431	\$0.00	\$2,009	\$0.00	\$33,953	\$0.00	\$5,080	\$0.00	\$62,473
	Other	Field Support	9.00	wks	57.791	1.000	520.1	\$41.20	\$21,431	\$223.22	\$2,009	\$3,772.56	\$33,953	\$564.44	\$5,080	\$6,941.44	\$62,473
GC-3	Mob & Demob		-	ac	-	1.000	24.0	\$31.00	\$744	\$0.00	\$2,000	\$0.00	\$0	\$0.00	\$16,505	\$0.00	\$19,249
	Other	Mob & Demob	9.00	wks	2.667	1.000	24.0	\$31.00	\$744	\$222.22	\$2,000	\$0.00	\$0	\$1,833.89	\$16,505	\$2,138.78	\$19,249

Appendix C.2

Reclamation Cost Estimate Detail

Reclamation Cost Estimate - Detail

Easy Junior Project

Open Pit Area

OP-1 West of Pit, Area of Poor Reveg Establishment

QTY	UNIT	LABOR						MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
		MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$		
0.62	ac															
Apply Cover Soil as needed		666.67	cy	0.007	1.000	4.9	\$41.11	\$201	\$0.00	\$0	\$1.00	\$669	\$0.00	\$0	\$1.31	\$870
Labor		4.89	Mhr	1.000	1.000	4.9	\$41.11	\$201								\$201
1	Laborer															\$0
2	Equipment Operator	4.89	Mhr	1.000	1.000	4.9	\$41.21	\$201								\$201
xx																\$0
Materials																\$0
	None		LS						\$0.00	\$0						\$0
xx									\$0.00	\$0						\$0
Equipment		4.89	EqHrs													\$0
2	Dozer, Cat D9R									\$136.83	\$669					\$669
		1.09	EqHrs							\$135.89	\$148					\$148
3	Scraper, Cat 631E															\$0
		3.30	EqHrs							\$137.36	\$453					\$453
2	Dozer, Cat D9R															\$0
		0.50	EqHrs							\$135.89	\$68					\$68
xx																\$0
Subcontract																\$0
	None		LS													\$0
xx																\$0
Broadcast & Harrow Fertilizer & Seed		0.62	ac		1.000		\$0.00	\$0	\$148.43	\$92	\$0.00	\$0	\$59.69	\$37	\$208.12	\$129
Labor																\$0
1	Laborer															\$0
2	Equipment Operator															\$0
xx																\$0
Materials																\$0
1	Fertilizer, 16-20-0 (16S)	0.62	ac						\$0.00	\$0						\$0
2	Seed Mixture	0.62	ac						\$147.75	\$92						\$92
xx									\$0.00	\$0						\$0
Equipment																\$0
0	None		EqHrs								\$0.00	\$0				\$0
xx											\$0.00	\$0				\$0
Subcontract																\$0
1	Broadcast Fertilizer	0.62	ac													\$37
2	Broadcast Seed & Harrow	0.62	ac										\$60.00	\$37		\$37
xx																\$0
OP-2 West of Pit, Minor sulfide boils		0.06	ac													\$0
Apply Cover Soil as needed		100.00	cy	0.012	1.000	1.2	\$41.44	\$48	\$0.00	\$0	\$1.58	\$158	\$0.00	\$0	\$2.06	\$206
Labor		1.16	Mhr	1.000	1.000	1.2	\$41.44	\$48								\$48
1	Laborer															\$0
2	Equipment Operator	1.16	Mhr	1.000	1.000	1.2	\$41.21	\$48								\$48
xx																\$0
Materials																\$0
	None		LS						\$0.00	\$0						\$0
xx									\$0.00	\$0						\$0
Equipment		1.16	EqHrs													\$0
2	Dozer, Cat D9R															\$0
		0.16	EqHrs							\$136.39	\$158					\$158
3	Scraper, Cat 631E															\$0
		0.50	EqHrs							\$135.89	\$22					\$22
2	Dozer, Cat D9R															\$0
		0.50	EqHrs							\$137.36	\$68					\$68
xx																\$0
Subcontract																\$0
	None		LS													\$0
xx																\$0

Reclamation Cost Estimate - Detail

Easy Junior Project

Open Pit Area

	QTY	UNIT	LABOR						MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL	
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$	
Broadcast & Harrow Fertilizer & Seed	0.06	ac	-	1.000	-	\$0.00	\$0	\$145.20	\$9	\$0.00	\$0	\$64.53	\$4	\$209.73	\$13	
<i>Labor</i>	-	Mhr	1.000	1.000	-	\$0.00	\$0									
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0	
2 Equipment Operator	-	Mhr	1.000	1.000	-	\$41.21	\$0								\$0	
xx	-		-	-	-	\$0.00	\$0								\$0	
<i>Materials</i>									\$9						\$9	
1 Fertilizer, 16-20-0 (16S)	0.06	ac						\$0.00	\$0						\$0	
2 Seed Mixture	0.06	ac						\$147.75	\$9						\$9	
xx	-		-	-	-			\$0.00	\$0						\$0	
<i>Equipment</i>	-	EqHrs													\$0	
0 None	-	EqHrs								\$0.00	\$0				\$0	
xx	-		-	-	-					\$0.00	\$0				\$0	
<i>Subcontract</i>															\$0	
1 Broadcast Fertilizer	0.06	ac												\$4	\$4	
2 Broadcast Seed & Harrow	0.06	ac										\$0.00	\$0	\$0	\$0	
xx	-		-	-	-							\$60.00	\$4	\$4	\$4	
															\$0	
OP-3 North of Pit, Area of Poor Reveg Establishment	0.11	ac														
Minor Regrade & Scarify	300.00	cy	0.010	1.000	3.0	\$41.33	\$124	\$0.00	\$0	\$1.36	\$408	\$0.00	\$0	\$1.77	\$532	
<i>Labor</i>	3.00	Mhr	1.000	1.000	3.0	\$41.33	\$124								\$124	
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0	
2 Equipment Operator	3.00	Mhr	1.000	1.000	3.0	\$41.21	\$124								\$124	
xx	-		-	-	-	\$0.00	\$0								\$0	
<i>Materials</i>															\$0	
None	-	LS								\$0.00	\$0				\$0	
xx	-		-	-	-					\$0.00	\$0				\$0	
<i>Equipment</i>	3.00	EqHrs													\$0	
2 Dozer, Cat D9R	2.00	EqHrs	Establish access							\$136.00	\$408				\$408	
2 Dozer, Cat D9R	1.00	EqHrs	Finish Grading & Scarify							\$135.89	\$272				\$272	
xx	-									\$135.89	\$136				\$136	
<i>Subcontract</i>												\$0.00	\$0		\$0	
None	-	LS												\$0	\$0	
xx	-		-	-	-									\$0	\$0	
Apply Cover Soil	123.46	cy	0.011	1.000	1.3	\$41.13	\$54	\$0.00	\$0	\$1.45	\$179	\$0.00	\$0	\$1.89	\$233	
<i>Labor</i>	1.31	Mhr	1.000	1.000	1.3	\$41.13	\$54								\$54	
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0	
2 Equipment Operator	1.31	Mhr	1.000	1.000	1.3	\$41.21	\$54								\$54	
xx	-		-	-	-	\$0.00	\$0								\$0	
<i>Materials</i>															\$0	
None	-	LS								\$0.00	\$0				\$0	
xx	-		-	-	-					\$0.00	\$0				\$0	
<i>Equipment</i>	1.31	EqHrs													\$0	
2 Dozer, Cat D9R	0.20	EqHrs	Boost at borrow area 33%							\$136.34	\$179				\$179	
3 Scraper, Cat 631E	202	EqHrs	Haul & spread Cover Soil cy/hr							\$135.89	\$27				\$27	
2 Dozer, Cat D9R	0.50	EqHrs	Finish Grading							\$137.36	\$84				\$84	
xx	-									\$135.89	\$68				\$68	
<i>Subcontract</i>												\$0.00	\$0		\$0	
None	-	LS												\$0	\$0	
xx	-		-	-	-									\$0	\$0	

Reclamation Cost Estimate - Detail

Easy Junior Project

Open Pit Area

	QTY	UNIT	LABOR				MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$
Broadcast & Harrow Fertilizer & Seed	0.11	ac	-	1.000	-	\$0.00	\$0	\$148.10	\$17	\$0.00	\$0	\$60.98	\$7	\$209.09	\$24
<i>Labor</i>	-	<i>Mhr</i>	1.000	1.000	-	\$0.00	\$0								\$0
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0
2 Equipment Operator	-	Mhr	1.000	1.000	-	\$41.21	\$0								\$0
xx	-		-	-	-	\$0.00	\$0								\$0
<i>Materials</i>									\$17						\$17
1 Fertilizer, 16-20-0 (16S)	0.11	ac					\$0.00	\$0							\$0
2 Seed Mixture	0.11	ac					\$147.75	\$17							\$17
xx	-		-	-	-	\$0.00	\$0								\$0
<i>Equipment</i>	-	<i>EqHrs</i>								\$0.00	\$0				\$0
0 None	-	EqHrs								\$0.00	\$0				\$0
xx	-		-	-	-	\$0.00	\$0			\$0.00	\$0				\$0
<i>Subcontract</i>														\$7	\$7
1 Broadcast Fertilizer	0.11	ac												\$0.00	\$0
2 Broadcast Seed & Harrow	0.11	ac										\$60.00	\$7		\$7
xx	-		-	-	-	\$0.00	\$0								\$0

OP-4 East of Pit, Area of Poor Reveg Establishment

Minor Regrade & Scarify	100.00	cy	0.040	1.000	4.0	\$41.25	\$165	\$0.00	\$0	\$5.44	\$544	\$0.00	\$0	\$7.09	\$709
<i>Labor</i>	4.00	<i>Mhr</i>	1.000	1.000	4.0	\$41.25	\$165								\$165
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0
2 Equipment Operator	4.00	Mhr	1.000	1.000	4.0	\$41.21	\$165								\$165
xx	-		-	-	-	\$0.00	\$0								\$0
<i>Materials</i>											\$0				\$0
None	-	LS						\$0.00	\$0						\$0
xx	-		-	-	-	\$0.00	\$0			\$0.00	\$0				\$0
<i>Equipment</i>	4.00	<i>EqHrs</i>													\$0
2 Dozer, Cat D9R	Establish access	EqHrs	2.00						\$136.00	\$544					\$544
2 Dozer, Cat D9R	Finish Grading & Scarify	EqHrs	2.00						\$135.89	\$272					\$272
xx	-		-	-	-	\$0.00	\$0			\$135.89	\$272				\$272
<i>Subcontract</i>										\$0.00	\$0				\$0
None	-	LS												\$0	\$0
xx	-		-	-	-	\$0.00	\$0								\$0
Apply Cover Soil	1,777.78	cy	0.007	1.000	12.7	\$41.24	\$524	\$0.00	\$0	\$0.98	\$1,740	\$0.00	\$0	\$1.27	\$2,264
<i>Labor</i>	12.71	<i>Mhr</i>	1.000	1.000	12.7	\$41.24	\$524								\$524
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0
2 Equipment Operator	12.71	Mhr	1.000	1.000	12.7	\$41.21	\$524								\$524
xx	-		-	-	-	\$0.00	\$0								\$0
<i>Materials</i>											\$0				\$0
None	-	LS						\$0.00	\$0						\$0
xx	-		-	-	-	\$0.00	\$0			\$0.00	\$0				\$0
<i>Equipment</i>	12.71	<i>EqHrs</i>													\$0
2 Dozer, Cat D9R	Boost at borrow area	EqHrs	2.90						\$136.95	\$1,740					\$1,740
3 Scraper, Cat 631E	Haul & spread Cover Soil	EqHrs	8.80						\$135.89	\$395					\$395
2 Dozer, Cat D9R	Finish Grading	EqHrs	1.00						\$137.36	\$1,209					\$1,209
xx	-		-	-	-	\$0.00	\$0			\$135.89	\$136				\$136
<i>Subcontract</i>										\$0.00	\$0				\$0
None	-	LS												\$0	\$0
xx	-		-	-	-	\$0.00	\$0								\$0

Reclamation Cost Estimate - Detail

Easy Junior Project

Open Pit Area

	QTY	UNIT	LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$	
Broadcast & Harrow Fertilizer & Seed	1.65	ac	-	1.000	-	-	\$0.00	\$0	\$147.62	\$244	\$0.00	\$0	\$59.90	\$99	\$207.52	\$343
<i>Labor</i>	-	Mhr	1.000	1.000	-	-	\$0.00	\$0								\$0
1 Laborer	-	Mwk	50.000	1.000	-	-	\$28.93	\$0								\$0
2 Equipment Operator	-	Mhr	1.000	1.000	-	-	\$41.21	\$0								\$0
xx	-						\$0.00	\$0								\$0
<i>Materials</i>									\$244							\$244
1 Fertilizer, 16-20-0 (16S)	1.65	ac						\$0.00	\$0							\$0
2 Seed Mixture	1.65	ac						\$147.75	\$244							\$244
xx	-							\$0.00	\$0							\$0
<i>Equipment</i>	-	EqHrs								\$0.00	\$0					\$0
0 None	-	EqHrs								\$0.00	\$0					\$0
xx	-									\$0.00	\$0					\$0
<i>Subcontract</i>																\$0
1 Broadcast Fertilizer	1.65	ac													\$99	\$99
2 Broadcast Seed & Harrow	1.65	ac											\$0.00	\$0	\$0	\$0
xx	-												\$60.00	\$99	\$99	\$99
																\$0
OP-4a East of Pit, Exposed Well Head	-	ac														
Seal Exposed Well Head	1.0	LS	30.000	1.000	30.0		\$36.63	\$1,099	\$2,319.00	\$2,319	\$53.00	\$53	\$0.00	\$0	\$3,471.00	\$3,471
<i>Labor</i>	30.0	Mhr	1.000	1.000	30.0		\$36.63	\$1,099								\$1,099
1 Laborer	2.0	Mday	10.000	1.000	20.0		\$28.93	\$579								\$579
2 Equipment Operator	-	Mhr	1.000	1.000	-		\$41.21	\$0								\$0
4 Working Foreman	1.0	Mday	10.000	1.000	10.0		\$51.98	\$520								\$520
xx	-						\$0.00	\$0								\$0
<i>Materials</i>									\$2,319							\$2,319
5 Tool Allowance	3%	\$	33.0						\$1.00	\$33						\$33
3 Bentonite Chips, 3/8 inch	400.0	ft	8inch dia hole, 400 ft depth						\$5.71	\$2,286						\$2,286
xx	-								\$0.00	\$0						\$0
<i>Equipment</i>	3.0	EqHrs									\$17.67	\$53				\$53
2 Dozer, Cat D9R	-	EqHrs									\$135.89	\$0				\$0
6 Backhoe/Loader, Cat 426C	3.0	EqHrs	Misc assistance								\$17.74	\$53				\$53
xx	-										\$0.00	\$0				\$0
<i>Subcontract</i>																\$0
None	-	LS													\$0	\$0
xx	-														\$0.00	\$0
															\$0.00	\$0
OP-5 Place Warning Signs around Pit Perimeter	-	ac														
Install Warning Signs on pit perimeter (4,800 ft)	1.0	LS	70.000	1.000	70.0		\$32.23	\$2,256	\$3,668.00	\$3,668	\$89.00	\$89	\$0.00	\$0	\$6,013.00	\$6,013
<i>Labor</i>	70.0	Mhr	1.000	1.000	70.0		\$32.23	\$2,256								\$2,256
1 Laborer	6.0	Mday	10.000	1.000	60.0		\$28.93	\$1,736								\$1,736
2 Equipment Operator	-	Mhr	1.000	1.000	-		\$41.21	\$0								\$0
4 Working Foreman	1.0	Mday	10.000	1.000	10.0		\$51.98	\$520								\$520
xx	-						\$0.00	\$0								\$0
<i>Materials</i>											\$3,668					\$3,668
5 Tool Allowance	3%	\$	67.7						\$1.00	\$68						\$68
4 Pit Warning Signs & Posts	48.0	ea	every 100 ft						\$75.00	\$3,600						\$3,600
xx	-								\$0.00	\$0						\$0
<i>Equipment</i>	5.0	EqHrs									\$17.80	\$89				\$89
2 Dozer, Cat D9R	-	EqHrs									\$135.89	\$0				\$0
6 Backhoe/Loader, Cat 426C	5.0	EqHrs	Misc assistance								\$17.74	\$89				\$89
xx	-										\$0.00	\$0				\$0
<i>Subcontract</i>																\$0
None	-	LS													\$0	\$0
xx	-														\$0.00	\$0
															\$0.00	\$0

Reclamation Cost Estimate - Detail

Easy Junior Project

Waste Dump Area

	QTY	UNIT	LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL	
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$
W-1 North & East Waste Dump Slopes	24.1	ac													
Apply Cover Soil as needed	25,916.05	cy	0.009	1.000	228.2	\$41.21	\$9,402	\$0.00	\$0	\$1.21	\$31,246	\$0.00	\$0	\$1.57	\$40,648
Labor	228.15	Mhr	1.000	1.000	228.2	\$41.21	\$9,402								\$9,402
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0
2 Equipment Operator	228.15	Mhr	1.000	1.000	228.2	\$41.21	\$9,402								\$9,402
xx	-		-	-	-	\$0.00	\$0								\$0
Materials									\$0						\$0
None	-	LS						\$0.00	\$0						\$0
xx	-							\$0.00	\$0						\$0
Equipment	228.15	EqHrs								\$136.95	\$31,246				\$31,246
2 Dozer, Cat D9R		EqHrs								\$135.89	\$7,356				\$7,356
3 Scraper, Cat 631E	164.03	EqHrs								\$137.36	\$22,531				\$22,531
2 Dozer, Cat D9R	10.00	EqHrs								\$135.89	\$1,359				\$1,359
xx	-									\$0.00	\$0				\$0
Subcontract													\$0		\$0
None	-	LS											\$0		\$0
xx	-												\$0		\$0
Broadcast & Harrow Fertilizer & Seed	24.10	ac		1.000		\$0.00	\$0	\$147.75	\$3,560	\$0.00	\$0	\$60.01	\$1,446	\$207.76	\$5,006
Labor		Mhr	1.000	1.000		\$0.00	\$0								\$0
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0
2 Equipment Operator	-	Mhr	1.000	1.000	-	\$41.21	\$0								\$0
xx	-		-	-	-	\$0.00	\$0								\$0
Materials									\$3,560						\$3,560
1 Fertilizer, 16-20-0 (16S)	24.10	ac						\$0.00	\$0						\$0
2 Seed Mixture	24.10	ac						\$147.75	\$3,560						\$3,560
xx	-							\$0.00	\$0						\$0
Equipment		EqHrs								\$0.00	\$0				\$0
0 None	-	EqHrs								\$0.00	\$0				\$0
xx	-									\$0.00	\$0				\$0
Subcontract													\$1,446		\$1,446
1 Broadcast Fertilizer	24.10	ac										\$0.00	\$0		\$0
2 Broadcast Seed & Harrow	24.10	ac										\$60.00	\$1,446		\$1,446
xx	-														\$0
W-2 Portions of Waste Dump Top	9.00	ac													
Apply Cover Soil as needed	14,518.52	cy	0.009	1.000	127.2	\$41.21	\$5,242	\$0.00	\$0	\$1.20	\$17,422	\$0.00	\$0	\$1.56	\$22,664
Labor	127.21	Mhr	1.000	1.000	127.2	\$41.21	\$5,242								\$5,242
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0
2 Equipment Operator	127.21	Mhr	1.000	1.000	127.2	\$41.21	\$5,242								\$5,242
xx	-		-	-	-	\$0.00	\$0								\$0
Materials									\$0						\$0
None	-	LS						\$0.00	\$0						\$0
xx	-							\$0.00	\$0						\$0
Equipment	127.21	EqHrs								\$136.95	\$17,422				\$17,422
2 Dozer, Cat D9R		EqHrs								\$135.89	\$4,121				\$4,121
3 Scraper, Cat 631E	91.89	EqHrs								\$137.36	\$12,622				\$12,622
2 Dozer, Cat D9R	5.00	EqHrs								\$135.89	\$679				\$679
xx	-									\$0.00	\$0				\$0
Subcontract													\$0		\$0
None	-	LS											\$0		\$0
xx	-												\$0		\$0

Reclamation Cost Estimate - Detail

Easy Junior Project

Waste Dump Area

	QTY	UNIT	LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$	
Broadcast & Harrow Fertilizer & Seed																
Labor	9.00	ac	-	1.000	-	\$0.00	\$0	\$147.79	\$1,330	\$0.00	\$0	\$60.01	\$540	\$207.80	\$1,870	
1 Laborer	-	Mhr	1.000	1.000	-	\$0.00	\$0								\$0	
2 Equipment Operator	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0	
xx	-	Mhr	1.000	1.000	-	\$41.21	\$0								\$0	
Materials	-		-	-	-	\$0.00	\$0								\$0	
1 Fertilizer, 16-20-0 (16S)	9.00	ac							\$1,330						\$1,330	
2 Seed Mixture	9.00	ac						\$0.00	\$0						\$0	
xx	-		-	-	-			\$147.75	\$1,330						\$1,330	
Equipment	-	EqHrs	-	-	-			\$0.00	\$0						\$0	
0 None	-	EqHrs	-	-	-					\$0.00	\$0				\$0	
xx	-	EqHrs	-	-	-					\$0.00	\$0				\$0	
Subcontract	-		-	-	-					\$0.00	\$0				\$0	
1 Broadcast Fertilizer	9.00	ac											\$540		\$540	
2 Broadcast Seed & Harrow	9.00	ac										\$0.00	\$0		\$0	
xx	-		-	-	-							\$60.00	\$540		\$540	
W-3 Trench Area																
Fill Misc Debris in Trench & Regrade to 3:1	1.03	ac													\$0	
20,000.00	cy		0.001	1.000	12.9	\$41.18	\$530	\$0.00	\$0	\$0.09	\$1,749	\$0.00	\$0	\$0.11	\$2,279	
Labor	12.87	Mhr	1.000	1.000	12.9	\$41.18	\$530								\$530	
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0	
2 Equipment Operator	12.87	Mhr	1.000	1.000	12.9	\$41.21	\$530								\$530	
xx	-		-	-	-		\$0.00								\$0	
Materials	-		-	-	-										\$0	
None	-	LS	-	-	-					\$0	\$0				\$0	
xx	-		-	-	-					\$0.00	\$0				\$0	
Equipment	12.87	EqHrs	-	-	-					\$0.00	\$0				\$0	
2 Dozer, Cat D9R	1.840	EqHrs									\$135.90	\$1,749			\$1,749	
2 Dozer, Cat D9R	10.87	EqHrs									\$135.89	\$1,477			\$1,477	
xx	2.00	EqHrs									\$135.89	\$272			\$272	
Subcontract	-		-	-	-						\$0.00	\$0			\$0	
None	-	LS	-	-	-								\$0		\$0	
xx	-		-	-	-								\$0		\$0	
Apply Cover Soil	1,106.17	cy	0.009	1.000	10.3	\$41.22	\$425	\$0.00	\$0	\$1.28	\$1,412	\$0.00	\$0	\$1.66	\$1,837	
Labor	10.31	Mhr	1.000	1.000	10.3	\$41.22	\$425								\$425	
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0	
2 Equipment Operator	10.31	Mhr	1.000	1.000	10.3	\$41.21	\$425								\$425	
xx	-		-	-	-		\$0.00								\$0	
Materials	-		-	-	-										\$0	
None	-	LS	-	-	-					\$0	\$0				\$0	
xx	-		-	-	-					\$0.00	\$0				\$0	
Equipment	10.31	EqHrs	-	-	-					\$0.00	\$0				\$0	
2 Dozer, Cat D9R	33%	EqHrs									\$136.94	\$1,412			\$1,412	
3 Scraper, Cat 631E	158	EqHrs									\$135.89	\$314			\$314	
2 Dozer, Cat D9R	7.00	EqHrs									\$137.36	\$962			\$962	
xx	1.00	EqHrs									\$135.89	\$136			\$136	
Subcontract	-		-	-	-						\$0.00	\$0			\$0	
None	-	LS	-	-	-								\$0		\$0	
xx	-		-	-	-								\$0		\$0	

Reclamation Cost Estimate - Detail

Easy Junior Project

Waste Dump Area

	QTY	UNIT	LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL	
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$
Broadcast & Harrow Fertilizer & Seed															
Labor	1.03	ac	-	1.000	-	\$0.00	\$0	\$147.79	\$152	\$0.00	\$0	\$60.28	\$62	\$208.08	\$214
1 Laborer	-	Mhr	1.000	1.000	-	\$0.00	\$0								\$0
2 Equipment Operator	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0
xx	-	Mhr	1.000	1.000	-	\$41.21	\$0								\$0
Materials						\$0.00	\$0								\$0
1 Fertilizer, 16-20-0 (16S)	1.03	ac							\$152						\$152
2 Seed Mixture	1.03	ac						\$147.75	\$152						\$152
xx															\$0
Equipment															\$0
0 None	-	EqHrs								\$0.00	\$0				\$0
xx	-	EqHrs								\$0.00	\$0				\$0
Subcontract												\$0.00	\$0		\$0
1 Broadcast Fertilizer	1.03	ac											\$62		\$62
2 Broadcast Seed & Harrow	1.03	ac										\$0.00	\$0		\$0
xx												\$60.00	\$62		\$62
W-4 Spot Sulfide Boils & Areas of Poor Reveg Establishment															
Apply Cover Soil as needed	0.27	ac													\$0
Labor	644.44	cy	0.013	1.000	8.4	\$41.19	\$347	\$0.00	\$0	\$1.79	\$1,151	\$0.00	\$0	\$2.32	\$1,498
1 Laborer	8.42	Mhr	1.000	1.000	8.4	\$41.19	\$347								\$347
2 Equipment Operator	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0
xx	8.42	Mhr	1.000	1.000	8.4	\$41.21	\$347								\$347
Materials						\$0.00	\$0								\$0
None	-	LS								\$0.00	\$0				\$0
xx	-	LS								\$0.00	\$0				\$0
Equipment	8.42	EqHrs													\$0
2 Dozer, Cat D9R	2.00	EqHrs								\$136.62	\$1,151				\$1,151
2 Dozer, Cat D9R	1.35	EqHrs	33%							\$135.89	\$272				\$272
3 Scraper, Cat 631E	4.08	EqHrs	Haul & spread Cover Soil @ cy/hr	158						\$135.89	\$183				\$183
2 Dozer, Cat D9R	1.00	EqHrs	Finish Grading							\$137.36	\$560				\$560
xx										\$135.89	\$136				\$136
Subcontract												\$0.00	\$0		\$0
None	-	LS											\$0		\$0
xx	-	LS											\$0		\$0
Broadcast & Harrow Fertilizer & Seed															
Labor	0.27	ac	-	1.000	-	\$0.00	\$0	\$146.45	\$39	\$0.00	\$0	\$60.08	\$16	\$206.53	\$55
1 Laborer	-	Mhr	1.000	1.000	-	\$0.00	\$0								\$0
2 Equipment Operator	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0
xx	-	Mhr	1.000	1.000	-	\$41.21	\$0								\$0
Materials						\$0.00	\$0								\$0
1 Fertilizer, 16-20-0 (16S)	0.27	ac							\$39						\$39
2 Seed Mixture	0.27	ac						\$147.75	\$39						\$39
xx															\$0
Equipment															\$0
0 None	-	EqHrs								\$0.00	\$0				\$0
xx	-	EqHrs								\$0.00	\$0				\$0
Subcontract												\$0.00	\$0		\$0
1 Broadcast Fertilizer	0.27	ac											\$16		\$16
2 Broadcast Seed & Harrow	0.27	ac										\$0.00	\$0		\$0
xx												\$60.00	\$16		\$16
\$0															

Reclamation Cost Estimate - Detail

Easy Junior Project

Waste Dump Area

W-5 Tire Bone Yard

	QTY	UNIT	LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$	
Offsite Disposal of Tires	0.24	ac														
Labor	1.0	LS	10.000	1.000	10.0	\$28.90	\$289	\$9.00	\$9	\$1,939.00	\$1,939	\$3,700.00	\$3,700	\$5,937.00	\$5,937	
1 Laborer	10.0	Mhr	1.000	1.000	10.0	\$28.90	\$289								\$289	
2 Equipment Operator	1.0	Mday	10.000	1.000	10.0	\$28.93	\$289								\$289	
xx	-	Mhr	1.000	1.000	-	\$41.21	\$0								\$0	
Materials							\$0.00	\$0							\$0	
5 Tool Allowance	3%	\$	8.7						\$9						\$9	
xx								\$1.00	\$9						\$9	
Equipment								\$0.00	\$0						\$0	
2 Dozer, Cat D9R	15.0	EqHrs								\$129.27	\$1,939				\$1,939	
8 7-ton Boom Truck	10.0	EqHrs								\$135.89	\$0				\$0	
6 Backhoe/Loader, Cat 426C	5.0	EqHrs								\$185.00	\$1,850				\$1,850	
xx										\$17.74	\$89				\$89	
Subcontract										\$0.00	\$0				\$0	
Shredding by Rays Tire Service	1.0	LS											\$3,700		\$3,700	
Shredding by Rays Tire Service	1.0	LS										\$625.00	\$625		\$625	
Transport of Tires	4.0	Truck loads										\$1,875.00	\$1,875		\$1,875	
xx												\$300.00	\$1,200		\$1,200	
Apply Cover Soil	259.26	cy	0.018	1.000	4.7	\$41.22	\$193	\$0.00	\$0	\$2.46	\$639	\$0.00	\$0	\$3.21	\$832	
Labor	4.68	Mhr	1.000	1.000	4.7	\$41.22	\$193								\$193	
1 Laborer	4.68	Mhr	1.000	1.000	4.7	\$41.22	\$193								\$193	
2 Equipment Operator	4.68	Mhr	1.000	1.000	4.7	\$41.21	\$193								\$193	
xx															\$0	
Materials							\$0.00	\$0							\$0	
None		LS								\$0.00	\$0				\$0	
xx										\$0.00	\$0				\$0	
Equipment	4.68	EqHrs													\$0	
2 Dozer, Cat D9R	2.00	EqHrs								\$136.47	\$639				\$639	
2 Dozer, Cat D9R	0.54	EqHrs								\$135.89	\$272				\$272	
3 Scraper, Cat 631E	1.64	EqHrs								\$135.89	\$74				\$74	
2 Dozer, Cat D9R	0.50	EqHrs								\$137.36	\$225				\$225	
xx										\$135.89	\$68				\$68	
Subcontract										\$0.00	\$0				\$0	
None		LS													\$0	
xx															\$0	
Broadcast & Harrow Fertilizer & Seed	0.24	ac		1.000		\$0.00	\$0	\$149.35	\$36	\$0.00	\$0	\$58.08	\$14	\$207.43	\$50	
Labor															\$0	
1 Laborer		Mhr	1.000	1.000		\$0.00	\$0								\$0	
2 Equipment Operator		Mwk	50.000	1.000		\$28.93	\$0								\$0	
xx		Mhr	1.000	1.000		\$41.21	\$0								\$0	
Materials							\$0.00	\$0							\$0	
1 Fertilizer, 16-20-0 (16S)	0.24	ac								\$36					\$36	
2 Seed Mixture	0.24	ac								\$0.00	\$0				\$0	
xx										\$147.75	\$36				\$36	
Equipment										\$0.00	\$0				\$0	
0 None		EqHrs								\$0.00	\$0				\$0	
xx		EqHrs								\$0.00	\$0				\$0	
Subcontract										\$0.00	\$0				\$0	
1 Broadcast Fertilizer	0.24	ac											\$14		\$14	
2 Broadcast Seed & Harrow	0.24	ac										\$0.00	\$0		\$0	
xx												\$60.00	\$14		\$14	
															\$0	

Reclamation Cost Estimate - Detail

Easy Junior Project

Haul Road Area

HR-1 to
HR-5 Pit & Waste Dump Intersection to Haul Road Junction

	QTY	UNIT	LABOR						MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$		
Re-contour to 3:1 slopes	3.49	ac															
Labor	4.73	Mhr	1.000	1.000	4.7	\$41.20	\$195	\$0.00	\$0	\$0.14	\$643	\$0.00	\$0	\$0.18	\$838		
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0		
2 Equipment Operator	4.73	Mhr	1.000	1.000	4.7	\$41.21	\$195								\$195		
xx	-		-	-	-	\$0.00	\$0								\$0		
Materials															\$0		
None	-	LS						\$0.00	\$0						\$0		
xx	-		-	-	-										\$0		
Equipment	4.73	EqHrs							\$0.00	\$0					\$0		
2 Dozer, Cat D9R		EqHrs									\$135.87	\$643			\$643		
2 Dozer, Cat D9R	1.720	EqHrs	1.720		2.73						\$135.89	\$371			\$371		
2 Dozer, Cat D9R		EqHrs			2.00						\$135.89	\$272			\$272		
xx	-		-	-	-						\$0.00	\$0			\$0		
Subcontract															\$0		
None	-	LS													\$0		
xx	-		-	-	-										\$0		
Apply Cover Soil	3,753.09	cy	0.006	1.000	21.9	\$41.20	\$902	\$0.00	\$0	\$0.80	\$2,995	\$0.00	\$0	\$1.04	\$3,897		
Labor	21.89	Mhr	1.000	1.000	21.9	\$41.20	\$902								\$902		
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0		
2 Equipment Operator	21.89	Mhr	1.000	1.000	21.9	\$41.21	\$902								\$902		
xx	-		-	-	-	\$0.00	\$0								\$0		
Materials															\$0		
None	-	LS									\$0				\$0		
xx	-		-	-	-			\$0.00	\$0						\$0		
Equipment	21.89	EqHrs													\$0		
2 Dozer, Cat D9R		EqHrs			4.44						\$136.81	\$2,995			\$2,995		
3 Scraper, Cat 631E		EqHrs			13.45						\$135.89	\$603			\$603		
2 Dozer, Cat D9R		EqHrs			4.00						\$137.36	\$1,848			\$1,848		
xx	-		-	-	-						\$135.89	\$544			\$544		
Subcontract															\$0		
None	-	LS													\$0		
xx	-		-	-	-										\$0		
Broadcast & Harrow Fertilizer & Seed	3.49	ac		1.000			\$0.00	\$0	\$147.87	\$516	\$0.00	\$0	\$59.50	\$209	\$207.77	\$725	
Labor															\$0		
1 Laborer	-	Mhr	1.000	1.000	-	\$0.00	\$0								\$0		
2 Equipment Operator	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0		
xx	-		-	-	-	\$41.21	\$0								\$0		
Materials															\$0		
1 Fertilizer, 16-20-0 (16S)	3.49	ac								\$516					\$516		
2 Seed Mixture	3.49	ac								\$0.00	\$0				\$0		
xx	-		-	-	-					\$147.75	\$516				\$516		
Equipment															\$0		
0 None	-	EqHrs									\$0.00	\$0			\$0		
xx	-		-	-	-						\$0.00	\$0			\$0		
Subcontract															\$0		
1 Broadcast Fertilizer	3.49	ac												\$209	\$209		
2 Broadcast Seed & Harrow	3.49	ac											\$60.00	\$0	\$0		
xx	-		-	-	-								\$60.00	\$209	\$209		
															\$0		

Reclamation Cost Estimate - Detail

Easy Junior Project

Haul Road Area

HR-6 to
HR-11

Haul Road Junction to Crusher Area

QTY	UNIT	LABOR						MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL	
		MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$	
5.11	ac														\$0
Re-contour to 3:1 slopes															
11,000.00	cy	0.001	1.000	8.4	\$41.21	\$346	\$0.00	\$0	\$0.10	\$1,141	\$0.00	\$0	\$0.14	\$1,487	
Labor															
8.40	Mhr	1.000	1.000	8.4	\$41.21	\$346								\$346	
1	Laborer													\$0	
2	Equipment Operator													\$0	
8.40	Mhr	1.000	1.000	8.4	\$41.21	\$346								\$346	
xx														\$0	
Materials															
	None													\$0	
xx	LS						\$0.00	\$0						\$0	
Equipment															
8.40	EqHrs									\$0.00	\$0			\$0	
2	Dozer, Cat D9R	Push down to 3:1 @ cy/hr	1.720	6.40	EqHrs					\$135.91	\$1,141			\$1,141	
2	Dozer, Cat D9R	Finish Grading		2.00	EqHrs					\$135.89	\$869			\$869	
xx										\$135.89	\$272			\$272	
Subcontract															
	None													\$0	
xx	LS													\$0	
Apply Cover Soil															
5,491.36	cy	0.005	1.000	30.2	\$41.22	\$1,244	\$0.00	\$0	\$0.75	\$4,131	\$0.00	\$0	\$0.98	\$5,375	
Labor															
30.18	Mhr	1.000	1.000	30.2	\$41.22	\$1,244								\$1,244	
1	Laborer													\$0	
2	Equipment Operator													\$0	
30.18	Mhr	1.000	1.000	30.2	\$41.21	\$1,244								\$1,244	
xx														\$0	
Materials															
	None													\$0	
xx	LS						\$0.00	\$0						\$0	
Equipment															
30.18	EqHrs									\$0.00	\$0			\$0	
2	Dozer, Cat D9R	Boost at borrow area	33%	6.50	EqHrs					\$136.89	\$4,131			\$4,131	
3	Scraper, Cat 631E	Haul & spread Cover Soil @ cy/hr	279	19.68	EqHrs					\$135.89	\$883			\$883	
2	Dozer, Cat D9R	Finish Grading		4.00	EqHrs					\$137.36	\$2,704			\$2,704	
xx										\$135.89	\$544			\$544	
Subcontract															
	None													\$0	
xx	LS													\$0	
Broadcast & Harrow Fertilizer & Seed															
5.11	ac		1.000		\$0.00	\$0	\$147.68	\$754	\$0.00	\$0	\$59.93	\$306	\$207.62	\$1,060	
Labor															
	Mhr				\$0.00	\$0								\$0	
1	Laborer													\$0	
2	Equipment Operator													\$0	
	Mhr				\$41.21	\$0								\$0	
xx														\$0	
Materials															
														\$0	
1	Fertilizer, 16-20-0 (16S)			5.11	ac					\$754				\$754	
2	Seed Mixture			5.11	ac					\$0.00	\$0			\$0	
xx										\$147.75	\$754			\$754	
Equipment															
	EqHrs													\$0	
0	None									\$0.00	\$0			\$0	
xx	EqHrs									\$0.00	\$0			\$0	
Subcontract															
														\$0	
1	Broadcast Fertilizer			5.11	ac							\$306		\$306	
2	Broadcast Seed & Harrow			5.11	ac							\$0.00	\$0	\$0	
xx												\$60.00	\$306	\$306	
TOTAL															
														\$0	

Reclamation Cost Estimate - Detail

Easy Junior Project

Haul Road Area

HR-12 to
HR-16 Haul Road Junction to Fuel Depot

	QTY	UNIT	LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$	
Re-contour to 3:1 slopes	5.22	ac														\$0
Labor	12,200.00	cy	0.001	1.000	10.1	\$41.22	\$416	\$0.00	\$0	\$0.11	\$1,372	\$0.00	\$0	\$0.15	\$1,788	
1 Laborer	10.09	Mhr	1.000	1.000	10.1	\$41.22	\$416								\$416	
2 Equipment Operator	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0	
xx	-	Mhr	1.000	1.000	10.1	\$41.21	\$416								\$416	
Materials	-	-	-	-	-	\$0.00	\$0								\$0	
None	-	LS						\$0.00	\$0						\$0	
xx	-	-						\$0.00	\$0						\$0	
Equipment	10.09	EqHrs								\$135.94	\$1,372				\$1,372	
2 Dozer, Cat D9R	1.720	EqHrs	Push down to 3:1 @ cy/hr		7.09					\$135.89	\$964				\$964	
2 Dozer, Cat D9R	3.00	EqHrs	Finish Grading		3.00					\$135.89	\$408				\$408	
xx	-	-			-					\$0.00	\$0				\$0	
Subcontract	-	-			-										\$0	
None	-	LS			-										\$0	
xx	-	-			-										\$0	
Apply Cover Soil	5,609.88	cy	0.005	1.000	30.7	\$41.21	\$1,267	\$0.00	\$0	\$0.75	\$4,208	\$0.00	\$0	\$0.98	\$5,475	
Labor	30.74	Mhr	1.000	1.000	30.7	\$41.21	\$1,267								\$1,267	
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0	
2 Equipment Operator	30.74	Mhr	1.000	1.000	30.7	\$41.21	\$1,267								\$1,267	
xx	-	-			-										\$0	
Materials	-	-	-	-	-	\$0.00	\$0								\$0	
None	-	LS			-					\$0					\$0	
xx	-	-			-					\$0.00	\$0				\$0	
Equipment	30.74	EqHrs								\$0.00	\$0				\$0	
2 Dozer, Cat D9R	6.64	EqHrs	Boost at borrow area 33%		6.64					\$136.88	\$4,208				\$4,208	
3 Scraper, Cat 631E	27.9	EqHrs	Haul & spread Cover Soil @ cy/hr		27.9					\$135.89	\$902				\$902	
2 Dozer, Cat D9R	4.00	EqHrs	Finish Grading		4.00					\$137.36	\$2,762				\$2,762	
xx	-	-			-					\$135.89	\$544				\$544	
Subcontract	-	-			-					\$0.00	\$0				\$0	
None	-	LS			-										\$0	
xx	-	-			-										\$0	
Broadcast & Harrow Fertilizer & Seed	5.22	ac	-	1.000	-	\$0.00	\$0	\$147.82	\$771	\$0.00	\$0	\$60.01	\$313	\$207.83	\$1,084	
Labor	-	Mhr	1.000	1.000	-	\$0.00	\$0								\$0	
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0	
2 Equipment Operator	-	Mhr	1.000	1.000	-	\$41.21	\$0								\$0	
xx	-	-			-										\$0	
Materials	-	-	-	-	-	\$0.00	\$0								\$0	
1 Fertilizer 16-20-0 (16S)	5.22	ac								\$771					\$771	
2 Seed Mixture	5.22	ac								\$0.00	\$0				\$0	
xx	-	-			-					\$147.75	\$771				\$771	
Equipment	-	EqHrs			-					\$0.00	\$0				\$0	
0 None	-	EqHrs			-					\$0.00	\$0				\$0	
xx	-	-			-					\$0.00	\$0				\$0	
Subcontract	-	-			-										\$0	
1 Broadcast Fertilizer	5.22	ac												\$313	\$313	
2 Broadcast Seed & Harrow	5.22	ac											\$0.00	\$0	\$0	
xx	-	-			-							\$60.00	\$313		\$313	
															\$0	

Reclamation Cost Estimate - Detail

Easy Junior Project

Crusher & Fresh Water Pond Area

C-1

Crushing Equip Area

	QTY	UNIT	LABOR						MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$		
Dismantle & dispose of Crusher Debris	0.86	ac															
Labor	84.00	Mhr	1.000	1.000	84.0	\$39.20	\$3,293		\$99.00	\$99	\$1,921.00	\$1,921	\$0.00	\$0	\$5,313.00	\$5,313	
1 Laborer	1.00	Mday	10.000	1.000	10.0	\$28.93	\$289									\$289	
1 Laborer	3.00	Mday	10.000	1.000	30.0	\$28.93	\$868									\$868	
2 Equipment Operator	14.00	Mhr	1.000	1.000	14.0	\$41.21	\$577									\$577	
4 Working Foreman	3.00	Mday	10.000	1.000	30.0	\$51.98	\$1,559									\$1,559	
xx							\$0.00	\$0								\$0	
Materials										\$99						\$99	
5 Tool Allowance	98.79	\$	3%						\$1.00	\$99						\$99	
xx									\$0.00	\$0						\$0	
Equipment	24.00	EqHrs									\$80.04	\$1,921				\$1,921	
0 None		EqHrs									\$0.00	\$0				\$0	
6 Backhoe/Loader, Cat 426C	10.00	EqHrs									\$17.74	\$177				\$177	
5 Excavator Cat 315B w/hammer	10.00	EqHrs									\$120.00	\$1,200				\$1,200	
2 Dozer, Cat D9R	4.00	EqHrs									\$135.89	\$544				\$544	
xx																\$0	
Subcontract											\$0.00	\$0				\$0	
None		LS														\$0	
xx													\$0.00	\$0		\$0	
Bury broken Concrete & Regrade footprint	8,680.56	cy	0.001	1.000	7.0	\$41.15	\$290		\$0.00	\$0	\$0.11	\$958	\$0.00	\$0	\$0.14	\$1,248	
Labor	7.05	Mhr	1.000	1.000	7.0	\$41.15	\$290				\$0.11	\$958	\$0.00	\$0	\$0.14	\$1,248	
1 Laborer		Mwk	50.000	1.000		\$28.93	\$0									\$0	
2 Equipment Operator	7.05	Mhr	1.000	1.000	7.0	\$41.21	\$290									\$290	
xx							\$0.00	\$0								\$0	
Materials											\$0					\$0	
None		LS							\$0.00	\$0						\$0	
xx									\$0.00	\$0						\$0	
Equipment	7.05	EqHrs									\$135.95	\$958				\$958	
2 Dozer, Cat D9R	5.05	EqHrs									\$135.89	\$686				\$686	
2 Dozer, Cat D9R	2.00	EqHrs									\$135.89	\$272				\$272	
xx																\$0	
Subcontract											\$0.00	\$0				\$0	
None		LS														\$0	
xx																\$0	

Reclamation Cost Estimate - Detail

Easy Junior Project

Crusher & Fresh Water Pond Area

	QTY	UNIT	LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL	
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$
Apply Cover Soil to footprint	925.93	cy	0.006	1.000	6.0	\$41.16	\$247	\$0.00	\$0	\$0.89	\$822	\$0.00	\$0	\$1.15	\$1,069
Labor	6.00	Mhr	1.000	1.000	6.0	\$41.16	\$247								
1 Laborer		Mwk	50.000	1.000	-	\$28.93	\$0								\$247
2 Equipment Operator	6.00	Mhr	1.000	1.000	6.0	\$41.21	\$247								\$0
xx															\$247
Materials							\$0.00	\$0							\$0
None		LS						\$0							\$0
xx								\$0.00	\$0						\$0
Equipment								\$0.00	\$0						\$0
2 Dozer, Cat D9R	6.00	EqHrs								\$136.97	\$822				\$822
3 Scraper, Cat 631E	1.34	EqHrs								\$135.89	\$182				\$182
2 Dozer, Cat D9R	4.06	EqHrs								\$137.36	\$558				\$558
xx	0.60	EqHrs								\$135.89	\$82				\$82
Subcontract										\$0.00	\$0				\$0
None		LS													\$0
xx															\$0
Broadcast & Harrow Fertilizer & Seed	0.86	ac	-	1.000	-	\$0.00	\$0	\$147.52	\$127	\$0.00	\$0	\$60.40	\$52	\$207.93	\$179
Labor															
1 Laborer		Mhr	1.000	1.000	-	\$0.00	\$0								\$0
2 Equipment Operator		Mwk	50.000	1.000	-	\$28.93	\$0								\$0
xx		Mhr	1.000	1.000	-	\$41.21	\$0								\$0
Materials															\$0
1 Fertilizer, 16-20-0 (16S)	0.86	ac							\$127						\$127
2 Seed Mixture	0.86	ac						\$147.75	\$127						\$0
xx															\$127
Equipment															\$0
0 None		EqHrs								\$0.00	\$0				\$0
xx		EqHrs								\$0.00	\$0				\$0
Subcontract															\$0
1 Broadcast Fertilizer	0.86	ac											\$52		\$52
2 Broadcast Seed & Harrow	0.86	ac										\$0.00	\$0		\$0
xx												\$60.00	\$52		\$52
Lower Crushing Yard	6.98	ac													\$0
Dispose of Crusher Debris	1.00	LS	30.000	1.000	30.0	\$36.63	\$1,099	\$33.00	\$33	\$89.00	\$89	\$0.00	\$0	\$1,221.00	\$1,221
Labor	30.00	Mhr	1.000	1.000	30.0	\$36.63	\$1,099								
1 Laborer	2.00	Mday	10.000	1.000	20.0	\$28.93	\$579								\$579
2 Equipment Operator		Mhr	1.000	1.000	-	\$41.21	\$0								\$0
4 Working Foreman	1.00	Mday	10.000	1.000	10.0	\$51.98	\$520								\$520
xx															\$520
Materials															\$0
5 Tool Allowance	32.97	\$							\$33						\$33
xx									\$1.00	\$33					\$33
Equipment															\$0
0 None	5.00	EqHrs								\$17.80	\$89				\$89
6 Backhoe/Loader, Cat 426C	5.00	EqHrs								\$0.00	\$0				\$0
xx										\$17.74	\$89				\$89
Subcontract															\$0
None		LS													\$0
xx															\$0
															\$0
															\$0

C-2

Lower Crushing Yard

Dispose of Crusher Debris

Labor

Materials

Equipment

Subcontract

None

xx

Reclamation Cost Estimate - Detail

Easy Junior Project

Crusher & Fresh Water Pond Area

	QTY	UNIT	LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL	
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$
Minimal Grading at edges	1,500.00	cy	0.003	1.000	4.5	\$41.11	\$185	\$0.00	\$0	\$0.41	\$612	\$0.00	\$0	\$0.53	\$797
<i>Labor</i>	4.50	Mhr	1.000	1.000	4.5	\$41.11	\$185								\$185
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0
2 Equipment Operator	4.50	Mhr	1.000	1.000	4.5	\$41.21	\$185								\$185
xx	-	-	-	-	-	-	\$0.00								\$0
<i>Materials</i>								\$0.00	\$0						\$0
None	-	LS						\$0.00	\$0						\$0
xx	-	-						\$0.00	\$0						\$0
<i>Equipment</i>	4.50	EqHrs						\$0.00	\$0						\$0
2 Dozer, Cat D9R	at @ cy/hr 600				2.50					\$136.00	\$612				\$612
2 Dozer, Cat D9R	Finish Grading				2.00					\$135.89	\$340				\$340
xx	-	-								\$135.89	\$272				\$272
<i>Subcontract</i>										\$0.00	\$0				\$0
None	-	LS													\$0
xx	-	-													\$0
Apply Cover Soil to footprint	6,004.94	cy	0.006	1.000	35.6	\$41.20	\$1,468	\$0.00	\$0	\$0.81	\$4,881	\$0.00	\$0	\$1.06	\$6,349
<i>Labor</i>	35.63	Mhr	1.000	1.000	35.6	\$41.20	\$1,468								\$1,468
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0
2 Equipment Operator	35.63	Mhr	1.000	1.000	35.6	\$41.21	\$1,468								\$1,468
xx	-	-	-	-	-	-	\$0.00								\$0
<i>Materials</i>															\$0
None	-	LS								\$0.00	\$0				\$0
xx	-	-								\$0.00	\$0				\$0
<i>Equipment</i>	35.63	EqHrs								\$0.00	\$0				\$0
2 Dozer, Cat D9R	Boost at borrow area 33%				8.69							\$137.00	\$4,881		\$4,881
3 Scraper, Cat 631E	Haul & spread Cover Soil @ cy/hr 228				26.34							\$135.89	\$1,181		\$1,181
2 Dozer, Cat D9R	Finish Grading				0.60							\$137.36	\$3,618		\$3,618
xx	-	-										\$135.89	\$82		\$82
<i>Subcontract</i>										\$0.00	\$0				\$0
None	-	LS													\$0
xx	-	-													\$0
Broadcast & Harrow Fertilizer & Seed	6.98	ac	-	1.000	-	\$0.00	\$0	\$147.73	\$1,031	\$0.00	\$0	\$60.04	\$419	\$207.77	\$1,450
<i>Labor</i>	-	Mhr	1.000	1.000	-	\$0.00	\$0								\$0
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0
2 Equipment Operator	-	Mhr	1.000	1.000	-	\$41.21	\$0								\$0
xx	-	-	-	-	-	-	\$0.00								\$0
<i>Materials</i>															\$0
1 Fertilizer, 16-20-0 (16S)	6.98	ac								\$1,031					\$1,031
2 Seed Mixture	6.98	ac								\$0.00	\$0				\$0
xx	-	-								\$147.75	\$1,031				\$1,031
<i>Equipment</i>	-	EqHrs								\$0.00	\$0				\$0
0 None	-	EqHrs								\$0.00	\$0				\$0
xx	-	-								\$0.00	\$0				\$0
<i>Subcontract</i>										\$0.00	\$0				\$0
1 Broadcast Fertilizer	6.98	ac												\$419	\$419
2 Broadcast Seed & Harrow	6.98	ac											\$0.00	\$0	\$0
xx	-	-										\$60.00	\$419		\$419
															\$0

Reclamation Cost Estimate - Detail

Easy Junior Project

Crusher & Fresh Water Pond Area

C-3

	QTY	UNIT	LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$	
Upper Crushing Yard	7.16	ac														
Dispose of Crusher Debris	1.00	LS	30.000	1.000	30.0	\$36.63	\$1,099									
Labor	30.00	Mhr	1.000	1.000	30.0	\$36.63	\$1,099	\$33.00	\$33	\$89.00	\$89	\$0.00	\$0	\$1,221.00	\$1,221	
1 Laborer	2.00	Mday	10.000	1.000	20.0	\$28.93	\$579								\$579	
2 Equipment Operator	-	Mhr	1.000	1.000	-	\$41.21	\$0								\$0	
4 Working Foreman	1.00	Mday	10.000	1.000	10.0	\$51.98	\$520								\$520	
xx	-		-	-	-	\$0.00	\$0								\$0	
Materials																
5 Tool Allowance	32.97	\$							\$33						\$33	
xx	-		-	-	-			\$1.00	\$33						\$33	
Equipment																
0 None	5.00	EqHrs								\$17.80	\$89				\$89	
6 Backhoe/Loader, Cat 426C	5.00	EqHrs								\$0.00	\$0				\$0	
xx	-		-	-	-					\$17.74	\$89				\$89	
Subcontract																
None	-	LS											\$0		\$0	
xx	-		-	-	-							\$0.00	\$0		\$0	
Minimal Grading at edges	1,500.00	cy	0.003	1.000	4.5	\$41.11	\$185	\$0.00	\$0	\$0.41	\$612	\$0.00	\$0	\$0.53	\$797	
Labor	4.50	Mhr	1.000	1.000	4.5	\$41.11	\$185								\$185	
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0	
2 Equipment Operator	4.50	Mhr	1.000	1.000	4.5	\$41.21	\$185								\$185	
xx	-		-	-	-	\$0.00	\$0								\$0	
Materials																
None	-	LS								\$0					\$0	
xx	-		-	-	-			\$0.00	\$0						\$0	
Equipment																
2 Dozer, Cat D9R	4.50	EqHrs													\$0	
2 Dozer, Cat D9R	2.50	EqHrs								\$136.00	\$612				\$612	
xx	2.00	EqHrs								\$135.89	\$340				\$340	
Subcontract																
None	-	LS											\$0		\$0	
xx	-		-	-	-							\$0.00	\$0		\$0	
Apply Cover Soil to footprint	6,162.96	cy	0.006	1.000	36.6	\$41.20	\$1,506	\$0.00	\$0	\$0.81	\$5,007	\$0.00	\$0	\$1.06	\$6,513	
Labor	36.55	Mhr	1.000	1.000	36.6	\$41.20	\$1,506								\$1,506	
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0	
2 Equipment Operator	36.55	Mhr	1.000	1.000	36.6	\$41.21	\$1,506								\$1,506	
xx	-		-	-	-	\$0.00	\$0								\$0	
Materials																
None	-	LS								\$0					\$0	
xx	-		-	-	-			\$0.00	\$0						\$0	
Equipment																
2 Dozer, Cat D9R	36.55	EqHrs													\$0	
2 Dozer, Cat D9R	8.92	EqHrs								\$136.99	\$5,007				\$5,007	
3 Scraper, Cat 631E	27.03	EqHrs								\$135.89	\$1,212				\$1,212	
2 Dozer, Cat D9R	0.60	EqHrs								\$137.36	\$3,713				\$3,713	
xx	-		-	-	-					\$135.89	\$82				\$82	
Subcontract																
None	-	LS											\$0		\$0	
xx	-		-	-	-							\$0.00	\$0		\$0	

Reclamation Cost Estimate - Detail

Easy Junior Project

Crusher & Fresh Water Pond Area

	QTY	UNIT	LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL	
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$
Broadcast & Harrow Fertilizer & Seed	7.16	ac	-	1.000	-	\$0.00	\$0	\$147.71	\$1,058	\$0.00	\$0	\$60.03	\$430	\$207.75	\$1,488
Labor	-	Mhr	1.000	1.000	-	\$0.00	\$0								\$0
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0
2 Equipment Operator	-	Mhr	1.000	1.000	-	\$41.21	\$0								\$0
xx	-		-	-	-	\$0.00	\$0								\$0
Materials									\$1,058						\$1,058
1 Fertilizer, 16-20-0 (16S)	7.16	ac						\$0.00	\$0						\$0
2 Seed Mixture	7.16	ac						\$147.75	\$1,058						\$1,058
xx								\$0.00	\$0						\$0
Equipment															\$0
0 None	-	EqHrs								\$0.00	\$0				\$0
xx	-	EqHrs								\$0.00	\$0				\$0
Subcontract															\$0
1 Broadcast Fertilizer	7.16	ac											\$430		\$430
2 Broadcast Seed & Harrow	7.16	ac										\$0.00	\$0		\$0
xx												\$60.00	\$430		\$430
															\$0
Fresh Water Pond	2.20	ac													\$0
Dismantle & Dispose of Pump house & Pond	1.00	LS	90.000	1.000	90.0	\$36.61	\$3,295	\$99.00	\$99	\$355.00	\$355	\$0.00	\$0	\$3,749.00	\$3,749
Labor	90.00	Mhr	1.000	1.000	90.0	\$36.61	\$3,295								\$3,295
1 Laborer	2.00	Mday	10.000	1.000	20.0	\$28.93	\$579								\$579
1 Laborer	4.00	Mday	10.000	1.000	40.0	\$28.93	\$1,157								\$1,157
2 Equipment Operator	-	Mhr	1.000	1.000	-	\$41.21	\$0								\$0
4 Working Foreman	3.00	Mday	10.000	1.000	30.0	\$51.98	\$1,559								\$1,559
xx						\$0.00	\$0								\$0
Materials															\$0
5 Tool Allowance	98.85	\$	3%						\$99						\$99
xx								\$1.00	\$99						\$99
Equipment															\$0
0 None	20.00	EqHrs								\$17.75	\$355				\$355
6 Backhoe/Loader, Cat 426C	20.00	EqHrs								\$0.00	\$0				\$0
xx										\$17.74	\$355				\$355
Subcontract															\$0
None	-	LS											\$0		\$0
xx													\$0.00	\$0	\$0
Push in Pond & Regrade	10,500.00	cy	0.002	1.000	20.5	\$41.22	\$845	\$0.00	\$0	\$0.27	\$2,786	\$0.00	\$0	\$0.35	\$3,631
Labor	20.50	Mhr	1.000	1.000	20.5	\$41.22	\$845								\$845
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0
2 Equipment Operator	20.50	Mhr	1.000	1.000	20.5	\$41.21	\$845								\$845
xx						\$0.00	\$0								\$0
Materials															\$0
None	-	LS								\$0.00	\$0				\$0
xx										\$0.00	\$0				\$0
Equipment															\$0
2 Dozer, Cat D9R	20.50	EqHrs								\$135.90	\$2,786				\$2,786
2 Dozer, Cat D9R	17.50	EqHrs								\$135.89	\$2,378				\$2,378
xx	3.00	EqHrs								\$135.89	\$408				\$408
Subcontract															\$0
None	-	LS											\$0		\$0
xx													\$0		\$0

Reclamation Cost Estimate - Detail

Easy Junior Project

Crusher & Fresh Water Pond Area

	QTY	UNIT	LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL	
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$
Apply Cover Soil to footprint	2,370.37	cy	0.006	1.000	14.4	\$41.24	\$595	\$0.00	\$0	\$0.83	\$1,976	\$0.00	\$0	\$1.08	\$2,571
<i>Labor</i>	14.43	Mhr	1.000	1.000	14.4	\$41.24	\$595								\$595
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0
2 Equipment Operator	14.43	Mhr	1.000	1.000	14.4	\$41.21	\$595								\$595
xx							\$0.00	\$0							\$0
<i>Materials</i>									\$0						\$0
None		LS						\$0.00	\$0						\$0
xx								\$0.00	\$0						\$0
<i>Equipment</i>	14.43	EqHrs													\$0
2 Dozer, Cat D9R		EqHrs			3.43					\$136.96	\$1,976				\$1,976
3 Scraper, Cat 631E		EqHrs			10.40					\$135.89	\$466				\$466
2 Dozer, Cat D9R		EqHrs			0.60					\$137.36	\$1,428				\$1,428
xx										\$135.89	\$82				\$82
xx										\$0.00	\$0				\$0
<i>Subcontract</i>															\$0
None		LS													\$0
xx															\$0
Broadcast & Harrow Fertilizer & Seed	2.20	ac	-	1.000	-	\$0.00	\$0	\$147.92	\$326	\$0.00	\$0	\$59.90	\$132	\$207.82	\$458
<i>Labor</i>		Mhr	1.000	1.000	-	\$0.00	\$0								\$0
1 Laborer		Mwk	50.000	1.000	-	\$28.93	\$0								\$0
2 Equipment Operator		Mhr	1.000	1.000	-	\$41.21	\$0								\$0
xx							\$0.00	\$0							\$0
<i>Materials</i>															\$0
1 Fertilizer, 16-20-0 (16S)	2.20	ac						\$0.00	\$0	\$326					\$326
2 Seed Mixture	2.20	ac						\$147.75	\$326						\$326
xx								\$0.00	\$0						\$0
<i>Equipment</i>		EqHrs													\$0
0 None		EqHrs								\$0.00	\$0				\$0
xx										\$0.00	\$0				\$0
<i>Subcontract</i>															\$0
1 Broadcast Fertilizer	2.20	ac												\$132	\$132
2 Broadcast Seed & Harrow	2.20	ac											\$0.00	\$0	\$0
xx												\$60.00	\$132	\$132	
xx															\$0
C-5 Water Truck Stand Pipe	0.11	ac													\$0
Dismantle & Dispose Standpipe & near surface utils	1.00	LS	30.000	1.000	30.0	\$36.63	\$1,099	\$33.00	\$33	\$177.00	\$177	\$0.00	\$0	\$1,309.00	\$1,309
<i>Labor</i>	30.00	Mhr	1.000	1.000	30.0	\$36.63	\$1,099								\$1,099
1 Laborer	2.00	Mday	10.000	1.000	20.0	\$28.93	\$579								\$579
2 Equipment Operator		Mhr	1.000	1.000	-	\$41.21	\$0								\$0
4 Working Foreman	1.00	Mday	10.000	1.000	10.0	\$51.98	\$520								\$520
xx							\$0.00	\$0							\$0
<i>Materials</i>															\$0
5 Tool Allowance	3%	\$			32.97					\$33					\$33
xx								\$1.00	\$33						\$33
<i>Equipment</i>	10.00	EqHrs						\$0.00	\$0						\$0
0 None		EqHrs								\$17.70	\$177				\$177
6 Backhoe/Loader, Cat 426C	10.00	EqHrs								\$0.00	\$0				\$0
xx										\$17.74	\$177				\$177
<i>Subcontract</i>										\$0.00	\$0				\$0
None		LS													\$0
xx												\$0.00	\$0	\$0	
xx												\$0.00	\$0	\$0	

Reclamation Cost Estimate - Detail

Easy Junior Project

Crusher & Fresh Water Pond Area

	QTY	UNIT	LABOR						MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$		
Minor Regrade	500.00	cy	0.003	1.000	1.3	\$41.25	\$55										
Labor	1.33	Mhr	1.000	1.000	1.3	\$41.25	\$55	\$0.00	\$0	\$0.36	\$181	\$0.00	\$0	\$0.47	\$236		
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0										\$55
2 Equipment Operator	1.33	Mhr	1.000	1.000	1.3	\$41.21	\$55										\$0
xx	-		-	-	-	\$0.00	\$0										\$55
Materials																	\$0
None	-	LS							\$0.00	\$0							\$0
xx	-		-	-	-				\$0.00	\$0							\$0
Equipment	1.33	EqHrs							\$0.00	\$0							\$0
2 Dozer, Cat D9R											\$135.75	\$181					\$181
at @ cy/hr	600		0.83									\$113					\$113
2 Dozer, Cat D9R											\$135.89	\$68					\$68
Finish Grading	0.50	EqHrs															\$0
xx	-		-	-	-						\$0.00	\$0					\$0
Subcontract																	\$0
None	-	LS															\$0
xx	-		-	-	-												\$0
Apply Cover Soil to footprint	123.46	cy	0.011	1.000	1.3	\$40.90	\$54	\$0.00	\$0	\$1.46	\$180	\$0.00	\$0	\$1.90	\$234		
Labor	1.32	Mhr	1.000	1.000	1.3	\$40.90	\$54										\$54
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0										\$0
2 Equipment Operator	1.32	Mhr	1.000	1.000	1.3	\$41.21	\$54										\$54
xx	-		-	-	-	\$0.00	\$0										\$0
Materials																	\$0
None	-	LS							\$0.00	\$0							\$0
xx	-		-	-	-				\$0.00	\$0							\$0
Equipment	1.32	EqHrs															\$0
2 Dozer, Cat D9R											\$136.35	\$180					\$180
Boost at borrow area	33%		0.18									\$24					\$24
3 Scraper, Cat 631E											\$137.36	\$74					\$74
Haul & spread Cover Soil @ cy/hr	228		0.54														\$0
2 Dozer, Cat D9R											\$135.89	\$82					\$82
Finish Grading	0.60	EqHrs															\$0
xx	-		-	-	-						\$0.00	\$0					\$0
Subcontract																	\$0
None	-	LS															\$0
xx	-		-	-	-												\$0
Broadcast & Harrow Fertilizer & Seed	0.11	ac	-	1.000	-	\$0.00	\$0	\$148.10	\$17	\$0.00	\$0	\$60.98	\$7	\$209.09	\$24		
Labor	-	Mhr	1.000	1.000	-	\$0.00	\$0										\$0
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0										\$0
2 Equipment Operator	-	Mhr	1.000	1.000	-	\$41.21	\$0										\$0
xx	-		-	-	-	\$0.00	\$0										\$0
Materials																	\$0
1 Fertilizer, 16-20-0 (16S)	0.11	ac								\$17							\$17
2 Seed Mixture	0.11	ac								\$0.00	\$0						\$0
xx	-		-	-	-					\$147.75	\$17						\$17
Equipment	-	EqHrs								\$0.00	\$0						\$0
0 None	-	EqHrs								\$0.00	\$0						\$0
xx	-		-	-	-					\$0.00	\$0						\$0
Subcontract																	\$0
1 Broadcast Fertilizer	0.11	ac													\$7		\$7
2 Broadcast Seed & Harrow	0.11	ac												\$0.00	\$0		\$0
xx	-		-	-	-									\$60.00	\$7		\$7
																	\$0

Reclamation Cost Estimate - Detail

Easy Junior Project

Heap Leach Pad Area - 3:1 Slope, no Catch Bench

HLP-1 Heap, 3:1 Slope, No Bench

QTY	UNIT	LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL			
		MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$		
24.84	ac															
Dispose of heap debris & prepare sump drains.		1.00	LS	225.000	1.000	225.0	\$35.35	\$7,953	\$1,939.00	\$1,939	\$1,301.00	\$1,301	\$0.00	\$0	\$11,193.00	\$11,193
Labor		225.00	Mhr	1.000	1.000	225.0	\$35.35	\$7,953								\$7,953
1	Laborer	10.00	Mday	10.000	1.000	100.0	\$28.93	\$2,893								\$2,893
2	Equipment Operator	5.00	Mhr	1.000	1.000	5.0	\$41.21	\$206								\$206
4	Working Foreman	3.00	Mday	10.000	1.000	30.0	\$51.98	\$1,559								\$1,559
1	Laborer	6.00	Mday	10.000	1.000	60.0	\$28.93	\$1,736								\$1,736
4	Working Foreman	3.00	Mday	10.000	1.000	30.0	\$51.98	\$1,559								\$1,559
xx							\$0.00	\$0								
Materials																
5	Tool Allowance	3%	\$	238.59					\$1,939							\$1,939
	Filter cloth	600.00	sqft					\$1.00	\$239							\$239
	Washed Gravel	10.00	cy					\$2.00	\$1,200							\$1,200
xx								\$50.00	\$500							\$500
xx								\$0.00	\$0							
Equipment		40.00	EqHrs						\$0.00	\$0						
0	None		EqHrs							\$32.53	\$1,301					\$1,301
6	Backhoe/Loader, Cat 426C	15.00	EqHrs							\$0.00	\$0					\$0
6	Backhoe/Loader, Cat 426C	20.00	EqHrs							\$17.74	\$266					\$266
2	Dozer, Cat D9R	3.00	EqHrs							\$17.74	\$355					\$355
2	Dozer, Cat D9R	2.00	EqHrs							\$135.89	\$408					\$408
xx			EqHrs							\$135.89	\$272					\$272
Subcontract										\$0.00	\$0					
None	LS															\$0
xx												\$0.00	\$0			\$0
xx												\$0.00	\$0			\$0
Regrade Heap to 3:1 Slopes		125,300.00	cy	0.001	1.000	157.7	\$41.21	\$6,498	\$0.00	\$0	\$0.17	\$21,429	\$0.00	\$0	\$0.22	\$27,927
Labor		157.69	Mhr	1.000	1.000	157.7	\$41.21	\$6,498								\$6,498
1	Laborer		Mwk	50.000	1.000		\$28.93	\$0								\$0
2	Equipment Operator	157.69	Mhr	1.000	1.000	157.7	\$41.21	\$6,498								\$6,498
xx							\$0.00	\$0								
Materials																
None	LS									\$0						\$0
xx										\$0.00	\$0					\$0
xx										\$0.00	\$0					\$0
Equipment		157.69	EqHrs													
2	Dozer, Cat D9R	at @ cy/hr	910	137.69	EqHrs					\$135.89	\$21,429					\$21,429
2	Dozer, Cat D9R	Finish Grading	20.00	EqHrs						\$135.89	\$18,711					\$18,711
xx										\$135.89	\$2,718					\$2,718
Subcontract										\$0.00	\$0					
None	LS															\$0
xx																\$0
Apply Cover Soil to heap		40,074.07	cy	0.007	1.000	275.2	\$41.21	\$11,339	\$0.00	\$0	\$0.94	\$37,686	\$0.00	\$0	\$1.22	\$49,025
Labor		275.17	Mhr	1.000	1.000	275.2	\$41.21	\$11,339								\$11,339
1	Laborer		Mwk	50.000	1.000		\$28.93	\$0								\$0
2	Equipment Operator	275.17	Mhr	1.000	1.000	275.2	\$41.21	\$11,339								\$11,339
xx							\$0.00	\$0								
Materials																
None	LS									\$0						\$0
xx										\$0.00	\$0					\$0
xx										\$0.00	\$0					\$0
Equipment		275.17	EqHrs													
2	Dozer, Cat D9R	Boost at borrow area	33%	65.79	EqHrs					\$136.96	\$37,686					\$37,686
3	Scraper, Cat 631E	Haul & spread Cover Soil @	cy/hr	201	EqHrs					\$135.89	\$8,941					\$8,941
2	Dozer, Cat D9R	Finish Grading		10.00	EqHrs					\$137.36	\$27,386					\$27,386
xx										\$135.89	\$1,359					\$1,359
Subcontract										\$0.00	\$0					
None	LS															\$0
xx																\$0

Reclamation Cost Estimate - Detail

Easy Junior Project

Heap Leach Pad Area - 3:1 Slope, no Catch Bench

QTY	UNIT	LABOR				MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL				
		MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$		
Broadcast & Harrow Fertilizer & Seed		24.84	ac	-	1.000	-	\$0.00	\$0	\$147.75	\$3,670	\$0.00	\$0	\$59.99	\$1,490	\$207.74	\$5,160
Labor		-	Mhr	1.000	1.000	-	\$0.00	\$0								\$0
1	Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0
2	Equipment Operator	-	Mhr	1.000	1.000	-	\$41.21	\$0								\$0
	xx	-				-	\$0.00	\$0								\$0
Materials		-				-			\$3,670							\$3,670
1	Fertilizer, 16-20-0 (16S)	24.84	ac					\$0.00	\$0							\$0
2	Seed Mixture	24.84	ac					\$147.75	\$3,670							\$3,670
	xx	-				-		\$0.00	\$0							\$0
Equipment		-	EqHrs			-				\$0.00	\$0					\$0
0	None	-	EqHrs			-				\$0.00	\$0					\$0
	xx	-				-				\$0.00	\$0					\$0
Subcontract		-				-								\$1,490		\$1,490
1	Broadcast Fertilizer	24.84	ac											\$0.00	\$0	\$0
2	Broadcast Seed & Harrow	24.84	ac										\$60.00	\$1,490		\$1,490
	xx	-				-										\$0

HLP-2 Process Storage Area, SW of Heap

Level Distribution Box & Dispose of Process Debris		1.00	LS	90.000	1.000	90.0	\$36.61	\$3,295	\$349.00	\$349	\$284.00	\$284	\$0.00	\$0	\$3,928.00	\$3,928
Labor		90.00	Mhr	1.000	1.000	90.0	\$36.61	\$3,295								\$3,295
1	Laborer	4.00	Mday	10.000	1.000	40.0	\$28.93	\$1,157								\$1,157
1	Laborer	2.00	Mday	10.000	1.000	20.0	\$28.93	\$579								\$579
2	Equipment Operator	-	Mhr	1.000	1.000	-	\$41.21	\$0								\$0
4	Working Foreman	3.00	Mday	10.000	1.000	30.0	\$51.98	\$1,559								\$1,559
	xx	-				-	\$0.00	\$0								\$0
Materials		-				-				\$349						\$349
5	Tool Allowance	3%	\$	98.85					\$1.00	\$99						\$99
	Grout to level distribution box	0.50	cy						\$500.00	\$250						\$250
	xx	-				-			\$0.00	\$0						\$0
Equipment		16.00	EqHrs								\$17.75	\$284				\$284
0	None	-	EqHrs			-					\$0.00	\$0				\$0
6	Backhoe/Loader, Cat 426C	12.00	EqHrs								\$17.74	\$213				\$213
6	Backhoe/Loader, Cat 426C	4.00	EqHrs								\$17.74	\$71				\$71
	xx	-				-					\$0.00	\$0				\$0
Subcontract		-				-								\$0		\$0
	None	-	LS			-								\$0.00	\$0	\$0
	xx	-				-								\$0.00	\$0	\$0
Regrade footprint to exclude run-on		5,000.00	cy	0.002	1.000	10.3	\$41.23	\$426	\$0.00	\$0	\$0.28	\$1,404	\$0.00	\$0	\$0.37	\$1,830
Labor		10.33	Mhr	1.000	1.000	10.3	\$41.23	\$426								\$426
1	Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0
2	Equipment Operator	10.33	Mhr	1.000	1.000	10.3	\$41.21	\$426								\$426
	xx	-				-	\$0.00	\$0								\$0
Materials		-				-					\$0					\$0
	None	-	LS			-					\$0.00	\$0				\$0
	xx	-				-					\$0.00	\$0				\$0
Equipment		10.33	EqHrs								\$135.87	\$1,404				\$1,404
2	Dozer, Cat D9R	at @ cy/hr	600	8.33	EqHrs						\$135.89	\$1,132				\$1,132
2	Dozer, Cat D9R	Finish Grading		2.00	EqHrs						\$135.89	\$272				\$272
	xx	-				-					\$0.00	\$0				\$0
Subcontract		-				-								\$0		\$0
	None	-	LS			-								\$0		\$0
	xx	-				-								\$0		\$0

Reclamation Cost Estimate - Detail

Easy Junior Project

Heap Leach Pad Area - 3:1 Slope, no Catch Bench

	QTY	UNIT	LABOR						MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL	
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$	
Apply Cover Soil to footprint	5,499.26	cy	0.004	1.000	19.6	\$41.20	\$808	\$0.00	\$0	\$0.49	\$2,685	\$0.00	\$0	\$0.64	\$3,493	
<i>Labor</i>	19.61	Mhr	1.000	1.000	19.6	\$41.20	\$808								\$808	
1 Laborer		Mwk	50.000	1.000	-	\$28.93	\$0								\$0	
2 Equipment Operator	19.61	Mhr	1.000	1.000	19.6	\$41.21	\$808								\$808	
xx						\$0.00	\$0									
<i>Materials</i>									\$0						\$0	
None		LS						\$0.00	\$0						\$0	
xx								\$0.00	\$0							
<i>Equipment</i>	19.61	EqHrs								\$136.91	\$2,685				\$2,685	
2 Dozer, Cat D9R	4.62	EqHrs								\$135.89	\$627				\$627	
3 Scraper, Cat 631E	13.99	EqHrs								\$137.36	\$1,922				\$1,922	
2 Dozer, Cat D9R	1.00	EqHrs								\$135.89	\$136				\$136	
xx										\$0.00	\$0					
<i>Subcontract</i>															\$0	
None		LS													\$0	
xx															\$0	
Broadcast & Harrow Fertilizer & Seed	4.26	ac	-	1.000	-	\$0.00	\$0	\$147.86	\$630	\$0.00	\$0	\$60.08	\$256	\$207.94	\$886	
<i>Labor</i>		Mhr	1.000	1.000	-	\$0.00	\$0								\$0	
1 Laborer		Mwk	50.000	1.000	-	\$28.93	\$0								\$0	
2 Equipment Operator		Mhr	1.000	1.000	-	\$41.21	\$0								\$0	
xx						\$0.00	\$0									
<i>Materials</i>									\$630						\$630	
1 Fertilizer, 16-20-0 (16S)	4.26	ac						\$0.00	\$0						\$0	
2 Seed Mixture	4.26	ac						\$147.75	\$630						\$630	
xx								\$0.00	\$0							
<i>Equipment</i>		EqHrs								\$0.00	\$0				\$0	
0 None		EqHrs								\$0.00	\$0				\$0	
xx										\$0.00	\$0				\$0	
<i>Subcontract</i>															\$0	
1 Broadcast Fertilizer	4.26	ac												\$256	\$256	
2 Broadcast Seed & Harrow	4.26	ac											\$0.00	\$0	\$0	
xx													\$60.00	\$256	\$256	

Reclamation Cost Estimate - Detail

Easy Junior Project

Process Pond Area

PP-1 East of Ponds

	QTY	UNIT	LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$	
Dismantle & dispose of process debris	1.47	ac														
Labor	1.00	LS	30.000	1.000	30.0	\$36.63	\$1,099	\$33.00	\$33	\$89.00	\$89	\$0.00	\$0	\$1,221.00	\$1,221	
1 Laborer	30.00	Mhr	1.000	1.000	30.0	\$36.63	\$1,099								\$1,099	
2 Equipment Operator	2.00	Mday	10.000	1.000	20.0	\$28.93	\$579								\$579	
4 Working Foreman	1.00	Mday	10.000	1.000	10.0	\$41.21	\$0								\$0	
xx						\$51.98	\$520								\$520	
Materials						\$0.00	\$0								\$0	
5 Tool Allowance	3%	\$	32.97						\$33						\$33	
xx								\$1.00	\$33						\$33	
Equipment	5.00	EqHrs						\$0.00	\$0						\$0	
0 None		EqHrs								\$17.80	\$89				\$89	
6 Backhoe/Loader, Cat 426C	5.00	EqHrs								\$0.00	\$0				\$0	
xx										\$17.74	\$89				\$89	
Subcontract										\$0.00	\$0				\$0	
None	1.00	LS											\$0	\$0		
xx													\$0.00	\$0		
Regrade footprint to exclude run-on	1,000.00	cy	0.002	1.000	2.2	\$41.36	\$91	\$0.00	\$0	\$0.29	\$294	\$0.00	\$0	\$0.39	\$385	
Labor	2.20	Mhr	1.000	1.000	2.2	\$41.36	\$91								\$91	
1 Laborer		Mwk	50.000	1.000	-	\$28.93	\$0								\$0	
2 Equipment Operator	2.20	Mhr	1.000	1.000	2.2	\$41.21	\$91								\$91	
xx						\$0.00	\$0								\$0	
Materials															\$0	
None		LS								\$0					\$0	
xx								\$0.00	\$0						\$0	
Equipment	2.17	EqHrs													\$0	
2 Dozer, Cat D9R	Regrade @ cy/hr	600	1.67	EqHrs						\$135.69	\$294				\$294	
2 Dozer, Cat D9R	Finish Grading		0.50	EqHrs						\$135.89	\$226				\$226	
xx										\$135.89	\$68				\$68	
Subcontract										\$0.00	\$0				\$0	
None		LS											\$0	\$0		
xx													\$0	\$0		
Apply Cover Soil to footprint	1,580.25	cy	0.005	1.000	7.9	\$41.27	\$326	\$0.00	\$0	\$0.61	\$962	\$0.00	\$0	\$0.82	\$1,288	
Labor	7.90	Mhr	1.000	1.000	7.9	\$41.27	\$326								\$326	
1 Laborer		Mwk	50.000	1.000	-	\$28.93	\$0								\$0	
2 Equipment Operator	7.90	Mhr	1.000	1.000	7.9	\$41.21	\$326								\$326	
xx						\$0.00	\$0								\$0	
Materials															\$0	
None		LS								\$0					\$0	
xx								\$0.00	\$0						\$0	
Equipment	7.03	EqHrs													\$0	
2 Dozer, Cat D9R	Boost at borrow area	33%	1.62	EqHrs						\$136.90	\$962				\$962	
3 Scraper, Cat 631E	Haul & spread Cover Soil @ cy/hr	322	4.91	EqHrs						\$135.89	\$220				\$220	
2 Dozer, Cat D9R	Finish Grading		0.50	EqHrs						\$137.36	\$674				\$674	
xx										\$135.89	\$68				\$68	
Subcontract										\$0.00	\$0				\$0	
None	1.00	LS											\$0	\$0		
xx													\$0	\$0		

Reclamation Cost Estimate - Detail

Easy Junior Project

Process Pond Area

	QTY	UNIT	LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL	
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$
Broadcast & Harrow Fertilizer & Seed	1.47	ac	-	1.000	-	\$0.00	\$0	\$147.70	\$217	\$0.00	\$0	\$59.90	\$88	\$207.59	\$305
<i>Labor</i>	-	Mhr	1.000	1.000	-	\$0.00	\$0								\$0
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0
2 Equipment Operator	-	Mhr	1.000	1.000	-	\$41.21	\$0								\$0
xx	-		-	-	-	\$0.00	\$0								\$0
<i>Materials</i>									\$217						\$217
1 Fertilizer 16-20-0 (16S)	1.47	ac					\$0.00	\$0							\$0
2 Seed Mixture	1.47	ac					\$147.75	\$217							\$217
xx	-		-	-	-			\$0.00	\$0						\$0
<i>Equipment</i>	-	EqHrs								\$0.00	\$0				\$0
0 None	-	EqHrs								\$0.00	\$0				\$0
xx	-		-	-	-					\$0.00	\$0				\$0
<i>Subcontract</i>															\$0
1 Broadcast Fertilizer	1.47	ac												\$88	\$88
2 Broadcast Seed & Harrow	1.47	ac											\$60.00	\$88	\$88
xx	-		-	-	-										\$0
PP-2 Power House	0.73	ac													
Dismantle & dispose of debris	1.00	LS	95.000	1.000	95.0	\$36.85	\$3,501	\$105.00	\$105	\$2,572.00	\$2,572	\$2,000.00	\$2,000	\$8,178.00	\$8,178
<i>Labor</i>	95.00	Mhr	1.000	1.000	95.0	\$36.85	\$3,501								\$3,501
1 Laborer	2.00	Mday	10.000	1.000	20.0	\$28.93	\$579								\$579
1 Laborer	4.00	Mday	10.000	1.000	40.0	\$28.93	\$1,157								\$1,157
2 Equipment Operator	5.00	Mhr	1.000	1.000	5.0	\$41.21	\$206								\$206
4 Working Foreman	3.00	Mday	10.000	1.000	30.0	\$51.98	\$1,559								\$1,559
xx	-		-	-	-	\$0.00	\$0								\$0
<i>Materials</i>										\$105					\$105
5 Tool Allowance	105.03	\$	3%					\$1.00	\$105						\$105
xx	-		-	-	-			\$0.00	\$0						\$0
<i>Equipment</i>	21.00	EqHrs								\$122.48	\$2,572				\$2,572
0 None	-	EqHrs								\$0.00	\$0				\$0
8 7-ton Boom Truck	10.00	EqHrs								\$185.00	\$1,850				\$1,850
6 Backhoe/Loader, Cat 426C	6.00	EqHrs								\$17.74	\$106				\$106
5 Excavator, Cat 315B w/hammer	4.00	EqHrs								\$120.00	\$480				\$480
2 Dozer, Cat D9R	1.00	EqHrs								\$135.89	\$136				\$136
xx	-		-	-	-					\$0.00	\$0				\$0
<i>Subcontract</i>															\$0
Envrotech	1.00	LS											\$2,000	\$2,000	\$2,000
xx	-		-	-	-								\$0.00	\$0	\$0

Reclamation Cost Estimate - Detail

Easy Junior Project

Process Pond Area

	QTY	UNIT	LABOR						MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL	
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$	
Regrade footprint to exclude run-on	500.00	cy	0.003	1.000	1.3	\$41.35	\$55	\$0.00	\$0	\$0.36	\$181	\$0.00	\$0	\$0.47	\$236	
Labor	1.33	Mhr	1.000	1.000	1.3	\$41.35	\$55								\$55	
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0	
2 Equipment Operator	1.33	Mhr	1.000	1.000	1.3	\$41.21	\$55								\$55	
xx	-		-	-	-	\$0.00	\$0								\$0	
Materials									\$0						\$0	
None	-	LS						\$0.00	\$0						\$0	
xx	-		-	-	-			\$0.00	\$0						\$0	
Equipment	1.33	EqHrs							\$0						\$0	
2 Dozer, Cat D9R	0.83	EqHrs								\$135.75	\$181				\$181	
2 Dozer, Cat D9R	0.50	EqHrs								\$135.89	\$113				\$113	
xx	-		-	-	-					\$135.89	\$68				\$68	
Subcontract										\$0.00	\$0				\$0	
None	-	LS											\$0		\$0	
xx	-		-	-	-								\$0		\$0	
Apply Cover Soil to footprint	1,185.19	cy	0.005	1.000	5.9	\$41.16	\$242	\$0.00	\$0	\$0.62	\$739	\$0.00	\$0	\$0.83	\$981	
Labor	5.88	Mhr	1.000	1.000	5.9	\$41.16	\$242								\$242	
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0	
2 Equipment Operator	5.88	Mhr	1.000	1.000	5.9	\$41.21	\$242								\$242	
xx	-		-	-	-	\$0.00	\$0								\$0	
Materials									\$0						\$0	
None	-	LS							\$0.00	\$0					\$0	
xx	-		-	-	-				\$0.00	\$0					\$0	
Equipment	5.40	EqHrs													\$0	
2 Dozer, Cat D9R	1.21	EqHrs								\$136.97	\$739				\$739	
3 Scraper, Cat 631E	3.68	EqHrs								\$135.89	\$165				\$165	
2 Dozer, Cat D9R	0.50	EqHrs								\$137.36	\$506				\$506	
xx	-		-	-	-					\$135.89	\$68				\$68	
Subcontract										\$0.00	\$0				\$0	
None	1.00	LS											\$0		\$0	
xx	-		-	-	-								\$0		\$0	
Broadcast & Harrow Fertilizer & Seed	0.73	ac	-	1.000	-	\$0.00	\$0	\$148.38	\$109	\$0.00	\$0	\$59.90	\$44	\$208.27	\$153	
Labor	-	Mhr	1.000	1.000	-	\$0.00	\$0								\$0	
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0	
2 Equipment Operator	-	Mhr	1.000	1.000	-	\$41.21	\$0								\$0	
xx	-		-	-	-	\$0.00	\$0								\$0	
Materials										\$109					\$109	
1 Fertilizer, 16-20-0 (16S)	0.73	ac						\$0.00	\$0						\$0	
2 Seed Mixture	0.73	ac						\$147.75	\$109						\$109	
xx	-		-	-	-			\$0.00	\$0						\$0	
Equipment	-	EqHrs								\$0.00	\$0				\$0	
0 None	-	EqHrs								\$0.00	\$0				\$0	
xx	-		-	-	-					\$0.00	\$0				\$0	
Subcontract										\$0.00	\$0				\$0	
1 Broadcast Fertilizer	0.73	ac											\$44		\$44	
2 Broadcast Seed & Harrow	0.73	ac										\$0.00	\$0		\$0	
xx	-		-	-	-					\$60.00	\$44				\$44	
															\$0	

Reclamation Cost Estimate - Detail

Easy Junior Project

Process Pond Area

PP-3 Settling Pond

	QTY	UNIT	LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$	
Dismantle & dispose of debris	1.07	ac														
Labor	1.00	LS	215.000	1.000	215.0	\$36.72	\$7.894									
Labor	215.00	Mhr	1.000	1.000	215.0	\$36.72	\$7.894	\$237.00	\$237	\$1,148.00	\$1,148	\$1,500.00	\$1,500	\$10,779.00	\$10,779	
1 Laborer	8.00	Mday	10.000	1.000	80.0	\$28.93	\$2,314									
1 Laborer	2.00	Mday	10.000	1.000	20.0	\$28.93	\$579									
1 Laborer	4.00	Mday	10.000	1.000	40.0	\$28.93	\$1,157									
2 Equipment Operator	5.00	Mhr	1.000	1.000	5.0	\$41.21	\$206									
4 Working Foreman	7.00	Mday	10.000	1.000	70.0	\$51.98	\$3,638									
xx							\$0.00	\$0								
Materials																
5 Tool Allowance	3%	\$	236.82						\$237							
xx									\$1.00	\$237						
Equipment	35.00	EqHrs							\$0.00	\$0						
0 None		EqHrs									\$32.80	\$1,148				
6 Backhoe/Loader, Cat 426C	30.00	EqHrs									\$0.00	\$0				
5 Excavator, Cat 315B w/hammer	4.00	EqHrs									\$17.74	\$532				
2 Dozer, Cat D9R	1.00	EqHrs									\$120.00	\$480				
xx											\$135.89	\$136				
Subcontract											\$0.00	\$0				
Envrotech	1.00	LS											\$1,500	\$1,500		
xx													\$1,500.00	\$1,500		
Regrade footprint to exclude run-on	2,500.00	cy	0.002	1.000	5.2	\$41.20	\$213	\$0.00	\$0	\$0.28	\$702	\$0.00	\$0	\$0	\$0	
Labor	5.17	Mhr	1.000	1.000	5.2	\$41.20	\$213									
1 Laborer		Mwk	50.000	1.000	-	\$28.93	\$0									
2 Equipment Operator	5.17	Mhr	1.000	1.000	5.2	\$41.21	\$213									
xx																
Materials																
None		LS									\$0	\$0				
xx									\$0.00	\$0						
Equipment	5.17	EqHrs							\$0.00	\$0						
2 Dozer, Cat D9R	4.17	EqHrs									\$135.87	\$702				
2 Dozer, Cat D9R	1.00	EqHrs									\$135.89	\$566				
xx											\$135.89	\$136				
Subcontract											\$0.00	\$0				
None		LS											\$0	\$0		
xx													\$0	\$0		

Reclamation Cost Estimate - Detail

Easy Junior Project

Process Pond Area

	QTY	UNIT	LABOR						MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$		
Apply Cover Soil to footprint	1,718.52	cy	0.005	1.000	8.9	\$41.24	\$367										
<i>Labor</i>	8.90	Mhr	1.000	1.000	8.9	\$41.24	\$367										
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0										
2 Equipment Operator	8.90	Mhr	1.000	1.000	8.9	\$41.21	\$367										
xx	-		-	-	-	\$0.00	\$0										
<i>Materials</i>																	
None	-	LS							\$0.00	\$0							
xx	-		-	-	-				\$0.00	\$0							
<i>Equipment</i>	8.10	EqHrs															
2 Dozer, Cat D9R	1.76	EqHrs									\$136.82	\$1,108					
3 Scraper, Cat 631E	5.34	EqHrs									\$135.89	\$239					
2 Dozer, Cat D9R	1.00	EqHrs									\$137.36	\$733					
xx	-		-	-	-						\$135.89	\$136					
<i>Subcontract</i>											\$0.00	\$0					
None	-	LS												\$0			
xx	-		-	-	-									\$0			
Broadcast & Harrow Fertilizer & Seed	1.07	ac	-	1.000	-	\$0.00	\$0		\$147.39	\$157	\$0.00	\$0	\$60.08	\$64	\$207.47	\$221	
<i>Labor</i>	-	Mhr	1.000	1.000	-	\$0.00	\$0										
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0										
2 Equipment Operator	-	Mhr	1.000	1.000	-	\$41.21	\$0										
xx	-		-	-	-	\$0.00	\$0										
<i>Materials</i>																	
1 Fertilizer, 16-20-0 (16S)	1.07	ac								\$157							
2 Seed Mixture	1.07	ac															
xx	-		-	-	-				\$147.75	\$157							
<i>Equipment</i>	-	EqHrs							\$0.00	\$0							
0 None	-	EqHrs									\$0.00	\$0					
xx	-		-	-	-						\$0.00	\$0					
<i>Subcontract</i>											\$0.00	\$0					
1 Broadcast Fertilizer	1.07	ac													\$64		\$64
2 Broadcast Seed & Harrow	1.07	ac												\$0.00	\$0		\$0
xx	-		-	-	-									\$60.00	\$64		\$64
																	\$0

Reclamation Cost Estimate - Detail

Easy Junior Project

Process Pond Area

PP-4 Barren Pond

	QTY	UNIT	LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$	
Dismantle & dispose of debris	2.68	ac														
Labor	1.00	LS	215.000	1.000	215.0	\$36.72	\$7,895	\$237.00	\$237	\$1,326.00	\$1,326	\$0.00	\$0	\$9,458.00	\$9,458	
1 Laborer	215.00	Mhr	1.000	1.000	215.0	\$36.72	\$7,895								\$7,895	
1 Laborer	6.00	Mday	10.000	1.000	60.0	\$28.93	\$1,736								\$1,736	
1 Laborer	2.00	Mday	10.000	1.000	20.0	\$28.93	\$579								\$579	
1 Laborer	6.00	Mday	10.000	1.000	60.0	\$28.93	\$1,736								\$1,736	
2 Equipment Operator	5.00	Mhr	1.000	1.000	5.0	\$41.21	\$206								\$206	
4 Working Foreman	7.00	Mday	10.000	1.000	70.0	\$51.98	\$3,638								\$3,638	
xx						\$0.00	\$0								\$0	
Materials															\$0	
5 Tool Allowance	3%	\$	236.85						\$237						\$237	
xx									\$1.00	\$237					\$237	
xx									\$0.00	\$0					\$0	
Equipment	45.00	EqHrs								\$29.47	\$1,326				\$1,326	
0 None		EqHrs								\$0.00	\$0				\$0	
6 Backhoe/Loader, Cat 426C	40.00	EqHrs								\$17.74	\$710				\$710	
5 Excavator, Cat 315B w/hammer	4.00	EqHrs								\$120.00	\$480				\$480	
2 Dozer, Cat D9R	1.00	EqHrs								\$135.89	\$136				\$136	
xx															\$0	
Subcontract										\$0.00	\$0				\$0	
None		LS													\$0	
xx															\$0	
Regrade footprint to exclude run-on	21,500.00	cy	0.002	1.000	37.8	\$41.21	\$1,559	\$0.00	\$0	\$0.24	\$5,141	\$0.00	\$0	\$0.31	\$6,700	
Labor	37.83	Mhr	1.000	1.000	37.8	\$41.21	\$1,559								\$1,559	
1 Laborer		Mwk	50.000	1.000		\$28.93	\$0								\$0	
2 Equipment Operator	37.83	Mhr	1.000	1.000	37.8	\$41.21	\$1,559								\$1,559	
xx						\$0.00	\$0								\$0	
Materials															\$0	
None		LS								\$0	\$0				\$0	
xx										\$0.00	\$0				\$0	
Equipment	37.83	EqHrs													\$0	
2 Dozer, Cat D9R	60.00	EqHrs								\$135.89	\$5,141				\$5,141	
2 Dozer, Cat D9R	35.83	EqHrs								\$135.89	\$4,869				\$4,869	
xx	2.00	EqHrs								\$135.89	\$272				\$272	
Subcontract										\$0.00	\$0				\$0	
None		LS													\$0	
xx															\$0	

Reclamation Cost Estimate - Detail

Easy Junior Project

Process Pond Area

	QTY	UNIT	LABOR							MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$			
Apply Cover Soil to footprint	4,325.93	cy	0.004	1.000	19.4	\$41.20	\$798											
Labor	19.37	Mhr	1.000	1.000	19.4	\$41.20	\$798											
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0											\$798
2 Equipment Operator	19.37	Mhr	1.000	1.000	19.4	\$41.21	\$798											\$0
xx	-		-	-	-	\$0.00	\$0											\$798
Materials																		\$0
None	-	LS								\$0	\$0							\$0
xx	-									\$0.00	\$0							\$0
Equipment	19.37	EqHrs																\$0
2 Dozer, Cat D9R	4.43	EqHrs									\$136.88	\$2,651						\$2,651
3 Scraper, Cat 631E	13.43	EqHrs									\$135.89	\$602						\$602
2 Dozer, Cat D9R	1.50	EqHrs									\$137.36	\$1,845						\$1,845
xx	-										\$135.89	\$204						\$204
Subcontract																		\$0
None	-	LS																\$0
xx	-																	\$0
Broadcast & Harrow Fertilizer & Seed	2.68	ac	-	1.000	-	\$0.00	\$0	\$147.69	\$396	\$0.00	\$0	\$60.04	\$161					\$207.73
Labor	-	Mhr	1.000	1.000	-	\$0.00	\$0											\$0
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0											\$0
2 Equipment Operator	-	Mhr	1.000	1.000	-	\$41.21	\$0											\$0
xx	-		-	-	-	\$0.00	\$0											\$0
Materials																		\$0
1 Fertilizer, 16-20-0 (16S)	2.68	ac								\$396								\$396
2 Seed Mixture	2.68	ac								\$0.00	\$0							\$0
xx	-									\$147.75	\$396							\$396
Equipment																		\$0
0 None	-	EqHrs									\$0.00	\$0						\$0
xx	-										\$0.00	\$0						\$0
Subcontract																		\$0
1 Broadcast Fertilizer	2.68	ac																\$161
2 Broadcast Seed & Harrow	2.68	ac																\$0
xx	-																	\$161
																		\$0

Reclamation Cost Estimate - Detail

Easy Junior Project

Process Pond Area

PP-5 Storm Pond

	QTY	UNIT	LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$	
Dismantle & dispose of debris	4.04	ac														
Labor	1.00	LS	80.000	1.000	80.0	\$36.89	\$2,951	\$89.00	\$89	\$491.00	\$491	\$0.00	\$0	\$3,531.00	\$3,531	
1 Laborer	80.00	Mhr	1.000	1.000	80.0	\$36.89	\$2,951								\$2,951	
2 Equipment Operator	5.00	Mday	10.000	1.000	50.0	\$28.93	\$1,446								\$1,446	
4 Working Foreman	5.00	Mhr	1.000	1.000	5.0	\$41.21	\$206								\$206	
xx	2.50	Mday	10.000	1.000	25.0	\$51.98	\$1,299								\$1,299	
Materials							\$0.00	\$0							\$0	
5 Tool Allowance	3%	\$	88.53						\$89						\$89	
xx								\$1.00	\$89						\$89	
Equipment	21.00	EqHrs						\$0.00	\$0						\$0	
0 None		EqHrs								\$23.38	\$491				\$491	
6 Backhoe/Loader, Cat 425C	20.00	EqHrs								\$0.00	\$0				\$0	
5 Excavator, Cat 315B w/hammer		EqHrs								\$17.74	\$355				\$355	
2 Dozer, Cat D9R	1.00	EqHrs								\$120.00	\$0				\$0	
xx										\$135.89	\$136				\$136	
Subcontract										\$0.00	\$0				\$0	
None		LS												\$0	\$0	
xx										\$0.00	\$0			\$0	\$0	
Regrade footprint to exclude run-on	23,200.00	cy	0.002	1.000	41.7	\$41.21	\$1,717	\$0.00	\$0	\$0.24	\$5,662	\$0.00	\$0	\$0.32	\$7,379	
Labor	41.67	Mhr	1.000	1.000	41.7	\$41.21	\$1,717								\$1,717	
1 Laborer	41.67	Mwk	50.000	1.000	-	\$28.93	\$0								\$0	
2 Equipment Operator	41.67	Mhr	1.000	1.000	41.7	\$41.21	\$1,717								\$1,717	
xx							\$0.00	\$0							\$0	
Materials															\$0	
None		LS								\$0.00	\$0				\$0	
xx										\$0.00	\$0				\$0	
Equipment	41.67	EqHrs													\$0	
2 Dozer, Cat D9R	600	EqHrs	Regrade @ cy/hr		38.67					\$135.89	\$5,662				\$5,662	
2 Dozer, Cat D9R	3.00	EqHrs	Finish Grading		3.00					\$135.89	\$408				\$408	
xx										\$0.00	\$0				\$0	
Subcontract															\$0	
None		LS												\$0	\$0	
xx										\$0.00	\$0			\$0	\$0	
Apply Cover Soil to footprint	6,518.52	cy	0.004	1.000	28.9	\$41.21	\$1,192	\$0.00	\$0	\$0.61	\$3,961	\$0.00	\$0	\$0.79	\$5,153	
Labor	28.92	Mhr	1.000	1.000	28.9	\$41.21	\$1,192								\$1,192	
1 Laborer	28.92	Mwk	50.000	1.000	-	\$28.93	\$0								\$0	
2 Equipment Operator	28.92	Mhr	1.000	1.000	28.9	\$41.21	\$1,192								\$1,192	
xx							\$0.00	\$0							\$0	
Materials															\$0	
None		LS								\$0	\$0				\$0	
xx										\$0.00	\$0				\$0	
Equipment	28.92	EqHrs													\$0	
2 Dozer, Cat D9R	33%	EqHrs	Boost at borrow area		6.68					\$136.94	\$3,961				\$3,961	
3 Scraper, Cat 631E	322	EqHrs	Haul & spread Cover Soil @ cy/hr		20.24					\$135.89	\$908				\$908	
2 Dozer, Cat D9R	2.00	EqHrs	Finish Grading		2.00					\$137.36	\$2,781				\$2,781	
xx										\$135.89	\$272				\$272	
Subcontract										\$0.00	\$0				\$0	
None		LS												\$0	\$0	
xx										\$0.00	\$0			\$0	\$0	

Reclamation Cost Estimate - Detail

Easy Junior Project

Process Pond Area

	QTY	UNIT	LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$	
Broadcast & Harrow Fertilizer & Seed	4.04	ac		1.000			\$0.00	\$0	\$147.76	\$597	\$0.00	\$0	\$59.90	\$242	\$207.65	\$839
<i>Labor</i>		Mhr	1.000	1.000			\$0.00	\$0								\$0
1 Laborer		Mwk	50.000	1.000			\$28.93	\$0								\$0
2 Equipment Operator		Mhr	1.000	1.000			\$41.21	\$0								\$0
xx							\$0.00	\$0								\$0
<i>Materials</i>										\$597						\$597
1 Fertilizer, 16-20-0 (16S)	4.04	ac						\$0.00	\$0							\$0
2 Seed Mixture	4.04	ac						\$147.76	\$597							\$597
xx								\$0.00	\$0							\$0
<i>Equipment</i>		EqHrs									\$0.00	\$0				\$0
0 None		EqHrs									\$0.00	\$0				\$0
xx											\$0.00	\$0				\$0
<i>Subcontract</i>											\$0.00	\$0				\$0
1 Broadcast Fertilizer	4.04	ac											\$242			\$242
2 Broadcast Seed & Harrow	4.04	ac										\$60.00	\$242			\$242
xx																\$0
PP-6 Borrow Area South of Ponds	1.21	ac														
Remove debris & Regrade	1,000.00	cy	0.009	1.000	9.2		\$36.87	\$338	\$0.00	\$0	\$0.29	\$294	\$0.00	\$0	\$0.63	\$632
<i>Labor</i>	9.17	Mhr	1.000	1.000	9.2		\$36.87	\$338								\$338
1 Laborer	0.50	Mday	10.000	1.000	5.0		\$28.93	\$145								\$145
2 Equipment Operator	2.17	Mhr	1.000	1.000	2.2		\$41.21	\$89								\$89
4 Working Foreman	2.00	Mhr	1.000	1.000	2.0		\$51.98	\$104								\$104
xx							\$0.00	\$0								\$0
<i>Materials</i>										\$0						\$0
None		LS							\$0.00	\$0						\$0
xx									\$0.00	\$0						\$0
<i>Equipment</i>	2.17	EqHrs									\$135.69	\$294				\$294
2 Dozer, Cat D9R		EqHrs	Regrade @ cy/hr	600	1.67						\$135.89	\$226				\$226
2 Dozer, Cat D9R		EqHrs	Finish Grading		0.50						\$135.89	\$68				\$68
xx											\$0.00	\$0				\$0
<i>Subcontract</i>											\$0.00	\$0				\$0
None		LS											\$0			\$0
xx													\$0			\$0
Apply Cover Soil to footprint	1,303.70	cy	0.005	1.000	5.9		\$41.29	\$243	\$0.00	\$0	\$0.62	\$806	\$0.00	\$0	\$0.80	\$1,049
<i>Labor</i>	5.88	Mhr	1.000	1.000	5.9		\$41.29	\$243								\$243
1 Laborer		Mwk	50.000	1.000			\$28.93	\$0								\$0
2 Equipment Operator	5.88	Mhr	1.000	1.000	5.9		\$41.21	\$243								\$243
xx							\$0.00	\$0								\$0
<i>Materials</i>										\$0						\$0
None		LS							\$0.00	\$0						\$0
xx									\$0.00	\$0						\$0
<i>Equipment</i>	5.88	EqHrs									\$136.96	\$806				\$806
2 Dozer, Cat D9R		EqHrs	Boost at borrow area	33%	1.34						\$135.89	\$182				\$182
3 Scraper, Cat 631E		EqHrs	Haul & spread Cover Soil @ cy/hr	322	4.05						\$137.36	\$556				\$556
2 Dozer, Cat D9R		EqHrs	Finish Grading		0.50						\$135.89	\$68				\$68
xx											\$0.00	\$0				\$0
<i>Subcontract</i>											\$0.00	\$0				\$0
None		LS											\$0			\$0
xx													\$0			\$0

Reclamation Cost Estimate - Detail

Easy Junior Project

Process Pond Area

	QTY	UNIT	LABOR				MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
			MHI/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$
Broadcast & Harrow Fertilizer & Seed	1.21	ac	-	1.000	-	\$0.00	\$0	\$147.68	\$179	\$0.00	\$0	\$60.23	\$73	\$207.90	\$252
<i>Labor</i>	-	Mhr	1.000	1.000	-	\$0.00	\$0								\$0
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0
2 Equipment Operator	-	Mhr	1.000	1.000	-	\$41.21	\$0								\$0
xx	-						\$0								\$0
<i>Materials</i>							\$0								\$0
1 Fertilizer 16-20-0 (16S)	1.21	ac							\$179						\$179
2 Seed Mixture	1.21	ac						\$0.00	\$0						\$0
xx								\$147.75	\$179						\$179
<i>Equipment</i>								\$0.00	\$0						\$0
0 None		EqHrs								\$0.00	\$0				\$0
xx		EqHrs								\$0.00	\$0				\$0
<i>Subcontract</i>										\$0.00	\$0				\$0
1 Broadcast Fertilizer	1.21	ac												\$73	\$73
2 Broadcast Seed & Harrow	1.21	ac										\$0.00	\$0		\$0
xx												\$60.00	\$73		\$73
															\$0

Reclamation Cost Estimate - Detail

Easy Junior Project

Process Plant, Truckshop & Office Area

PTO-1 Adsorption Plant (Carbon Column) Area

QTY	UNIT	LABOR						MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL	
		MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$	
Dismantle & dispose of process debris															
0.88	ac	38.000	1.000	38.0	\$37.61	\$1,429									
Labor															
38.00	Mhr	1.000	1.000	38.0	\$37.61	\$1,429									
1	Laborer	1 crewday, util removal & assistance		2.00	Mday	10.000	1.000	20.0	\$28.93	\$579					\$579
2	Equipment Operator			8.00	Mhr	1.000	1.000	8.0	\$41.21	\$330					\$330
4	Working Foreman			1.00	Mday	10.000	1.000	10.0	\$51.98	\$520					\$520
	xx								\$0.00	\$0					\$0
Materials															
5	Tool Allowance	3%		42.87	\$					\$43					\$43
	xx								\$1.00	\$43					\$43
									\$0.00	\$0					\$0
Equipment															
0	None			14.00	EqHrs					\$78.43	\$1,098				\$1,098
5	Excavator, Cat 315B w/hammer	Break Concrete		6.00	EqHrs					\$0.00	\$0				\$0
6	Backhoe/Loader, Cat 426C	Misc assistance		6.00	EqHrs					\$120.00	\$720				\$720
2	Dozer, Cat D9R	Push broken concrete & debris to ponds		2.00	EqHrs					\$17.74	\$106				\$106
	xx									\$135.89	\$272				\$272
Subcontract															
	None														\$0
	xx														\$0
															\$0
Regrade footprint to exclude run-on															
500.00	cy	0.003	1.000	1.3	\$41.25	\$55									
Labor															
1.33	Mhr	1.000	1.000	1.3	\$41.25	\$55									
1	Laborer				Mwk	50.000	1.000		\$28.93	\$0					\$0
2	Equipment Operator			1.33	Mhr	1.000	1.000	1.3	\$41.21	\$55					\$55
	xx								\$0.00	\$0					\$0
Materials															
	None									\$0					\$0
	xx				LS				\$0.00	\$0					\$0
Equipment															
1.33	EqHrs									\$0.00	\$0				\$0
2	Dozer, Cat D9R	Regrade @ cy/hr	600	0.83	EqHrs					\$135.75	\$181				\$181
2	Dozer, Cat D9R	Finish Grading		0.50	EqHrs					\$135.89	\$113				\$113
	xx									\$135.89	\$68				\$68
Subcontract															
	None														\$0
	xx				LS										\$0
															\$0
Apply Cover Soil to footprint															
1,422.22	cy	0.004	1.000	5.4	\$41.12	\$220									
Labor															
5.35	Mhr	1.000	1.000	5.4	\$41.12	\$220									
1	Laborer				Mwk	50.000	1.000		\$28.93	\$0					\$0
2	Equipment Operator			5.35	Mhr	1.000	1.000	5.4	\$41.21	\$220					\$220
	xx								\$0.00	\$0					\$0
Materials															
	None									\$0					\$0
	xx				LS				\$0.00	\$0					\$0
Equipment															
5.35	EqHrs									\$0.00	\$0				\$0
2	Dozer, Cat D9R	Boost at borrow area	33%	1.20	EqHrs					\$137.01	\$733				\$733
3	Scraper, Cat 631E	Haul & spread Cover Soil @ cy/hr	390	3.65	EqHrs					\$135.89	\$164				\$164
2	Dozer, Cat D9R	Finish Grading		0.50	EqHrs					\$137.36	\$501				\$501
	xx									\$135.89	\$68				\$68
Subcontract															
	None														\$0
	xx				LS										\$0
															\$0

Reclamation Cost Estimate - Detail

Easy Junior Project

Process Plant, Truckshop & Office Area

	QTY	UNIT	LABOR						MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL	
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$	
Broadcast & Harrow Fertilizer & Seed	0.88	ac	-	1.000	-	\$0.00	\$0	\$147.47	\$130	\$0.00	\$0	\$60.12	\$53	\$207.59	\$183	
<i>Labor</i>	-	Mhr	1.000	1.000	-	\$0.00	\$0								\$0	
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0	
2 Equipment Operator	-	Mhr	1.000	1.000	-	\$41.21	\$0								\$0	
<i>Materials</i>									\$130						\$130	
1 Fertilizer, 16-20-0 (16S)	0.88	ac				\$0.00	\$0								\$0	
2 Seed Mixture	0.88	ac				\$147.75	\$130								\$130	
xx						\$0.00	\$0								\$0	
<i>Equipment</i>										\$0.00	\$0				\$0	
0 None	-	EqHrs								\$0.00	\$0				\$0	
xx	-	EqHrs								\$0.00	\$0				\$0	
<i>Subcontract</i>												\$0.00	\$0		\$0	
1 Broadcast Fertilizer	0.88	ac											\$53		\$53	
2 Broadcast Seed & Harrow	0.88	ac										\$60.00	\$53		\$53	
xx															\$0	

PTO-2 Pregnant Solution Tank Area

Dismantle & dispose of process debris	1.00	LS	95.000	1.000	95.0	\$36.85	\$3,501	\$105.00	\$105	\$793.00	\$793	\$0.00	\$0	\$4,399.00	\$4,399
<i>Labor</i>	95.00	Mhr	1.000	1.000	95.0	\$36.85	\$3,501								\$3,501
1 Laborer	4.00	Mday	10.000	1.000	40.0	\$28.93	\$1,157								\$1,157
1 Laborer	2.00	Mday	10.000	1.000	20.0	\$28.93	\$579								\$579
2 Equipment Operator	5.00	Mhr	1.000	1.000	5.0	\$41.21	\$206								\$206
4 Working Foreman	3.00	Mday	10.000	1.000	30.0	\$51.98	\$1,559								\$1,559
xx						\$0.00	\$0								\$0
<i>Materials</i>									\$105						\$105
5 Tool Allowance	3%	\$	105.03					\$1.00	\$105						\$105
xx								\$0.00	\$0						\$0
<i>Equipment</i>	15.00	EqHrs								\$52.87	\$793				\$793
0 None	-	EqHrs								\$0.00	\$0				\$0
6 Backhoe/Loader Cat 426C	10.00	EqHrs								\$17.74	\$177				\$177
5 Excavator, Cat 315B w/hammer	4.00	EqHrs								\$120.00	\$480				\$480
2 Dozer, Cat D9R	1.00	EqHrs								\$135.89	\$136				\$136
xx										\$0.00	\$0				\$0
<i>Subcontract</i>												\$0.00	\$0		\$0
None	-	LS										\$0.00	\$0		\$0
xx												\$0.00	\$0		\$0
Regrade footprint to exclude run-on	500.00	cy	0.003	1.000	1.3	\$41.25	\$55	\$0.00	\$0	\$0.36	\$181	\$0.00	\$0	\$0.47	\$236
<i>Labor</i>	1.33	Mhr	1.000	1.000	1.3	\$41.25	\$55								\$55
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0
2 Equipment Operator	1.33	Mhr	1.000	1.000	1.3	\$41.21	\$55								\$55
xx						\$0.00	\$0								\$0
<i>Materials</i>															\$0
None	-	LS								\$0.00	\$0				\$0
xx										\$0.00	\$0				\$0
<i>Equipment</i>	1.33	EqHrs								\$135.75	\$181				\$181
2 Dozer, Cat D9R	0.83	EqHrs								\$135.89	\$113				\$113
2 Dozer, Cat D9R	0.50	EqHrs								\$135.89	\$68				\$68
xx										\$0.00	\$0				\$0
<i>Subcontract</i>												\$0.00	\$0		\$0
None	-	LS										\$0.00	\$0		\$0
xx												\$0.00	\$0		\$0

Reclamation Cost Estimate - Detail

Easy Junior Project

Process Plant, Truckshop & Office Area

	QTY	UNIT	LABOR						MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL	
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$	
Apply Cover Soil to footprint	933.33	cy	0.004	1.000	3.8	\$41.24	\$156	\$0.00	\$0	\$0.56	\$518	\$0.00	\$0	\$0.72	\$674	
<i>Labor</i>	3.78	Mhr	1.000	1.000	3.8	\$41.24	\$156								\$156	
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0	
2 Equipment Operator	3.78	Mhr	1.000	1.000	3.8	\$41.21	\$156								\$156	
xx	-					\$0.00	\$0								\$0	
<i>Materials</i>								\$0.00	\$0						\$0	
xx															\$0	
<i>Equipment</i>	3.78	EqHrs													\$0	
2 Dozer, Cat D9R	0.79	EqHrs								\$136.93	\$518				\$518	
3 Scraper, Cat 631E	2.39	EqHrs								\$135.89	\$107				\$107	
2 Dozer, Cat D9R	0.60	EqHrs								\$137.36	\$329				\$329	
xx										\$135.89	\$82				\$82	
<i>Subcontract</i>										\$0.00	\$0				\$0	
None	-	LS													\$0	
xx															\$0	
Broadcast & Harrow Fertilizer & Seed	0.58	ac	-	1.000	-	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$60.50	\$35	\$60.50	\$35	
<i>Labor</i>	-	Mhr	1.000	1.000	-	\$0.00	\$0								\$0	
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0	
2 Equipment Operator	-	Mhr	1.000	1.000	-	\$41.21	\$0								\$0	
xx						\$0.00	\$0								\$0	
<i>Materials</i>															\$0	
1 Fertilizer, 16-20-0 (16S)	0.58	ac						\$0.00	\$0						\$0	
xx															\$0	
<i>Equipment</i>	-	EqHrs													\$0	
0 None	-	EqHrs								\$0.00	\$0				\$0	
xx										\$0.00	\$0				\$0	
<i>Subcontract</i>										\$0.00	\$0				\$0	
1 Broadcast Fertilizer	0.58	ac												\$35	\$35	
2 Broadcast Seed & Harrow	0.58	ac										\$0.00	\$0	\$0		
xx												\$60.00	\$35	\$35		
															\$0	
PTO-3 Area South of Truck Shop	2.34	ac													\$0	
Dismantle & dispose of surface utilities misc debris	1.00	LS	32.500	1.000	32.5	\$36.98	\$1,202	\$36.00	\$36	\$397.00	\$397	\$0.00	\$0	\$1,635.00	\$1,635	
<i>Labor</i>	32.50	Mhr	1.000	1.000	32.5	\$36.98	\$1,202								\$1,202	
1 Laborer	2.00	Mday	10.000	1.000	20.0	\$28.93	\$579								\$579	
2 Equipment Operator	2.50	Mhr	1.000	1.000	2.5	\$41.21	\$103								\$103	
4 Working Foreman	1.00	Mday	10.000	1.000	10.0	\$51.98	\$520								\$520	
xx						\$0.00	\$0								\$0	
<i>Materials</i>															\$0	
5 Tool Allowance	36.06	\$								\$36					\$36	
xx								\$1.00	\$36						\$36	
<i>Equipment</i>	7.50	EqHrs								\$0.00	\$0				\$0	
0 None	-	EqHrs								\$52.93	\$397				\$397	
6 Backhoe/Loader, Cat 426C	5.00	EqHrs								\$0.00	\$0				\$0	
5 Excavator, Cat 315B w/hammer	2.00	EqHrs								\$17.74	\$89				\$89	
2 Dozer, Cat D9R	0.50	EqHrs								\$120.00	\$240				\$240	
xx										\$135.89	\$68				\$68	
<i>Subcontract</i>										\$0.00	\$0				\$0	
None	-	LS													\$0	
xx												\$0.00	\$0	\$0		
												\$0.00	\$0	\$0		

Reclamation Cost Estimate - Detail

Easy Junior Project

Process Plant, Truckshop & Office Area

		QTY	UNIT	LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL	
				MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$
Regrade footprint to exclude run-on		750.00	cy	0.002	1.000	1.8	\$41.14	\$72	\$0.00	\$0	\$0.32	\$238	\$0.00	\$0	\$0.41	\$310
Labor		1.75	Mhr	1.000	1.000	1.8	\$41.14	\$72								\$72
1	Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0
2	Equipment Operator	1.75	Mhr	1.000	1.000	1.8	\$41.21	\$72								\$72
	xx	-		-	-	-	\$0.00	\$0								\$0
Materials									\$0.00	\$0						\$0
	None	-	LS						\$0.00	\$0						\$0
	xx	-		-	-	-			\$0.00	\$0						\$0
Equipment		1.75	EqHrs								\$136.00	\$238				\$238
2	Dozer, Cat D9R	Regrade @ cy/hr	600	1.25							\$135.89	\$170				\$170
2	Dozer, Cat D9R	Finish Grading		0.50							\$135.89	\$68				\$68
	xx	-		-	-	-					\$0.00	\$0				\$0
Subcontract																\$0
	None	-	LS													\$0
	xx	-		-	-	-										\$0
Apply Cover Soil to footprint		2,518.52	cy	0.004	1.000	9.6	\$41.19	\$395	\$0.00	\$0	\$0.52	\$1,313	\$0.00	\$0	\$0.68	\$1,708
Labor		9.59	Mhr	1.000	1.000	9.6	\$41.19	\$395								\$395
1	Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0
2	Equipment Operator	9.59	Mhr	1.000	1.000	9.6	\$41.21	\$395								\$395
	xx	-		-	-	-	\$0.00	\$0								\$0
Materials											\$0					\$0
	None	-	LS						\$0.00	\$0						\$0
	xx	-		-	-	-			\$0.00	\$0						\$0
Equipment		9.59	EqHrs								\$136.93	\$1,313				\$1,313
2	Dozer, Cat D9R	Boost at borrow area	33%	2.13							\$135.89	\$290				\$290
3	Scraper, Cat 631E	Haul & spread Cover Soil @ cy/hr	390	6.46							\$137.36	\$887				\$887
2	Dozer, Cat D9R	Finish Grading		1.00							\$135.89	\$136				\$136
	xx	-		-	-	-					\$0.00	\$0				\$0
Subcontract																\$0
	None	-	LS													\$0
	xx	-		-	-	-										\$0
Broadcast & Harrow Fertilizer & Seed		2.34	ac	-	1.000	-	\$0.00	\$0	\$147.76	\$346	\$0.00	\$0	\$59.79	\$140	\$207.55	\$486
Labor		-	Mhr	1.000	1.000	-	\$0.00	\$0								\$0
1	Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0
2	Equipment Operator	-	Mhr	1.000	1.000	-	\$41.21	\$0								\$0
	xx	-		-	-	-	\$0.00	\$0								\$0
Materials											\$346					\$346
1	Fertilizer, 16-20-0 (16S)	2.34	ac						\$0.00	\$0						\$0
2	Seed Mixture	2.34	ac						\$147.75	\$346						\$346
	xx	-		-	-	-			\$0.00	\$0						\$0
Equipment		-	EqHrs								\$0.00	\$0				\$0
0	None	-	EqHrs								\$0.00	\$0				\$0
	xx	-		-	-	-					\$0.00	\$0				\$0
Subcontract																\$0
1	Broadcast Fertilizer														\$140	\$140
2	Broadcast Seed & Harrow												\$0.00	\$0		\$0
	xx												\$60.00	\$140		\$140
																\$0

Reclamation Cost Estimate - Detail

Easy Junior Project

Process Plant, Truckshop & Office Area

PTO-4 Office Area

	QTY	UNIT	LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$	
Dismantle & dispose of surface utilities misc debris	3.47	ac														
Labor	1.00	LS	34.000	1.000	34.0	\$37.18	\$1,264	\$38.00	\$38	\$585.00	\$585	\$0.00	\$0	\$1,887.00	\$1,887	
1 Laborer	34.00	Mhr	1.000	1.000	34.0	\$37.18	\$1,264								\$1,264	
2 Equipment Operator	2.00	Mday	10.000	1.000	20.0	\$28.93	\$579								\$579	
4 Working Foreman	4.00	Mhr	1.000	1.000	4.0	\$41.21	\$165								\$165	
xx	1.00	Mday	10.000	1.000	10.0	\$51.98	\$520								\$520	
xx						\$0.00	\$0								\$0	
Materials									\$38						\$38	
5 Tool Allowance	37.92	\$						\$1.00	\$38						\$38	
xx								\$0.00	\$0						\$0	
Equipment	9.00	EqHrs								\$65.00	\$585				\$585	
0 None		EqHrs								\$0.00	\$0				\$0	
6 Backhoe/Loader, Cat 426C	5.00	EqHrs								\$17.74	\$89				\$89	
5 Excavator, Cat 315B w/hammer	3.00	EqHrs								\$120.00	\$360				\$360	
2 Dozer, Cat D9R	1.00	EqHrs								\$135.89	\$136				\$136	
xx										\$0.00	\$0				\$0	
Subcontract														\$0	\$0	
None		LS										\$2,000.00	\$0		\$0	
xx												\$0.00	\$0		\$0	
Minor Contouring & Finish Grading	1,000.00	cy	0.002	1.000	1.7	\$41.40	\$69	\$0.00	\$0	\$0.23	\$226	\$0.00	\$0	\$0.30	\$295	
Labor	1.67	Mhr	1.000	1.000	1.7	\$41.40	\$69								\$69	
1 Laborer		Mwk	50.000	1.000		\$28.93	\$0								\$0	
2 Equipment Operator	1.67	Mhr	1.000	1.000	1.7	\$41.21	\$69								\$69	
xx						\$0.00	\$0								\$0	
Materials										\$0					\$0	
None		LS						\$0.00	\$0						\$0	
xx								\$0.00	\$0						\$0	
Equipment	1.67	EqHrs													\$0	
2 Dozer, Cat D9R	1.67	EqHrs								\$135.60	\$226				\$226	
2 Dozer, Cat D9R		EqHrs								\$135.89	\$226				\$226	
xx		EqHrs								\$135.89	\$0				\$0	
xx										\$0.00	\$0				\$0	
Subcontract														\$0	\$0	
None		LS												\$0	\$0	
xx														\$0	\$0	
Apply Cover Soil to footprint	3,733.33	cy	0.004	1.000	14.7	\$41.20	\$607	\$0.00	\$0	\$0.54	\$2,016	\$0.00	\$0	\$0.70	\$2,623	
Labor	14.73	Mhr	1.000	1.000	14.7	\$41.20	\$607								\$607	
1 Laborer		Mwk	50.000	1.000		\$28.93	\$0								\$0	
2 Equipment Operator	14.73	Mhr	1.000	1.000	14.7	\$41.21	\$607								\$607	
xx						\$0.00	\$0								\$0	
Materials										\$0					\$0	
None		LS						\$0.00	\$0						\$0	
xx								\$0.00	\$0						\$0	
Equipment	14.73	EqHrs								\$136.85	\$2,016				\$2,016	
2 Dozer, Cat D9R	3.16	EqHrs								\$135.89	\$429				\$429	
3 Scraper, Cat 631E	9.57	EqHrs								\$137.36	\$1,315				\$1,315	
2 Dozer, Cat D9R	2.00	EqHrs								\$135.89	\$272				\$272	
xx										\$0.00	\$0				\$0	
Subcontract														\$0	\$0	
None		LS												\$0	\$0	
xx														\$0	\$0	

Reclamation Cost Estimate - Detail

Easy Junior Project

Process Plant, Truckshop & Office Area

	QTY	UNIT	LABOR						MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL	
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$	
Broadcast & Harrow Fertilizer & Seed	3.47	ac		1.000	-	-	\$0.00	\$0	\$147.79	\$513	\$0.00	\$0	\$59.92	\$208	\$207.72	\$721
Labor																
1 Laborer		Mhr	1.000	1.000	-	-	\$0.00	\$0								\$0
2 Equipment Operator		Mwk	50.000	1.000	-	-	\$28.93	\$0								\$0
xx		Mhr	1.000	1.000	-	-	\$41.21	\$0								\$0
Materials																\$0
1 Fertilizer, 16-20-0 (16S)	3.47	ac								\$513						\$513
2 Seed Mixture	3.47	ac							\$0.00	\$0						\$0
xx									\$147.75	\$513						\$513
Equipment																\$0
0 None		EqHrs									\$0.00	\$0				\$0
xx		EqHrs									\$0.00	\$0				\$0
Subcontract																\$0
1 Broadcast Fertilizer	3.47	ac												\$208		\$208
2 Broadcast Seed & Harrow	3.47	ac											\$0.00	\$0		\$0
xx													\$60.00	\$208		\$208

PTO-5 Truck Shop Area

Dismantle & dispose of surface utilities misc debris	1.00	LS		115.000	1.000	115.0	\$37.61	\$4,325	\$130.00	\$130	\$3,345.00	\$3,345	\$0.00	\$0	\$7,800.00	\$7,800
Labor																
1 Laborer	6.00	Mday	3 crew-day, Utility removal & Misc assistance	10.000	1.000	60.0	\$28.93	\$1,736								\$1,736
2 Equipment Operator	25.00	Mhr		1.000	1.000	25.0	\$41.21	\$1,030								\$1,030
4 Working Foreman	3.00	Mday		10.000	1.000	30.0	\$51.98	\$1,559								\$1,559
xx								\$0.00	\$0							\$0
Materials																\$0
5 Tool Allowance	129.75	\$	3%								\$130					\$130
xx									\$1.00	\$130						\$130
Equipment																\$0
0 None	40.00	EqHrs									\$83.63	\$3,345				\$3,345
6 Backhoe/Loader, Cat 426C	15.00	EqHrs	Misc assistance								\$0.00	\$0				\$0
5 Excavator, Cat 315B w/hammer	20.00	EqHrs	Break Concrete								\$17.74	\$266				\$266
2 Dozer, Cat D9R	5.00	EqHrs	Push broken concrete & debris to ponds								\$120.00	\$2,400				\$2,400
xx											\$135.89	\$679				\$679
Subcontract																\$0
None		LS												\$0		\$0
xx													\$2,000.00	\$0		\$0
Regrade footprint to exclude run-on	1,500.00	cy		0.002	1.000	3.5	\$41.14	\$144	\$0.00	\$0	\$0.32	\$476	\$0.00	\$0	\$0.41	\$620
Labor																
1 Laborer	3.50	Mhr		1.000	1.000	3.5	\$41.14	\$144								\$144
2 Equipment Operator	3.50	Mwk		50.000	1.000	-	\$28.93	\$0								\$0
xx		Mhr		1.000	1.000	3.5	\$41.21	\$144								\$144
Materials																\$0
None		LS									\$0.00	\$0				\$0
xx											\$0.00	\$0				\$0
Equipment																\$0
2 Dozer, Cat D9R	2.50	EqHrs	Regrade @ cy/h	600							\$136.00	\$476				\$476
2 Dozer, Cat D9R	1.00	EqHrs	Finish Grading								\$135.89	\$340				\$340
xx											\$135.89	\$136				\$136
Subcontract																\$0
None		LS												\$0		\$0
xx														\$0		\$0

Reclamation Cost Estimate - Detail

Easy Junior Project

Process Plant, Truckshop & Office Area

	QTY	UNIT	LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL	
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$
Apply Cover Soil to footprint	6,162.96	cy	0.004	1.000	22.0	\$41.19	\$907	\$0.00	\$0	\$0.49	\$3,016	\$0.00	\$0	\$0.64	\$3,923
<i>Labor</i>	22.02	Mhr	1.000	1.000	22.0	\$41.19	\$907								\$907
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0
2 Equipment Operator	22.02	Mhr	1.000	1.000	22.0	\$41.21	\$907								\$907
xx	-		-	-	-	\$0.00	\$0								\$0
<i>Materials</i>									\$0						\$0
None	-	LS						\$0.00	\$0						\$0
xx	-		-	-	-			\$0.00	\$0						\$0
<i>Equipment</i>	22.02	EqHrs													\$0
2 Dozer, Cat D9R	5.21	EqHrs								\$136.98	\$3,016				\$3,016
3 Scraper, Cat 631E	15.80	EqHrs								\$135.89	\$709				\$709
2 Dozer, Cat D9R	1.00	EqHrs								\$137.36	\$2,171				\$2,171
xx	-		-	-	-					\$135.89	\$136				\$136
<i>Subcontract</i>										\$0.00	\$0				\$0
None	-	LS													\$0
xx	-		-	-	-										\$0
Broadcast & Harrow Fertilizer & Seed	3.82	ac	-	1.000	-	\$0.00	\$0	\$147.64	\$564	\$0.00	\$0	\$59.95	\$229	\$207.59	\$793
<i>Labor</i>	-	Mhr	1.000	1.000	-	\$0.00	\$0								\$0
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0
2 Equipment Operator	-	Mhr	1.000	1.000	-	\$41.21	\$0								\$0
xx	-		-	-	-	\$0.00	\$0								\$0
<i>Materials</i>									\$564						\$564
1 Fertilizer, 16-20-0 (16S)	3.82	ac						\$0.00	\$0						\$0
2 Seed Mixture	3.82	ac						\$147.75	\$564						\$564
xx	-		-	-	-			\$0.00	\$0						\$0
<i>Equipment</i>		EqHrs													\$0
0 None	-	EqHrs								\$0.00	\$0				\$0
xx	-		-	-	-					\$0.00	\$0				\$0
<i>Subcontract</i>										\$0.00	\$0				\$0
1 Broadcast Fertilizer	3.82	ac													\$229
2 Broadcast Seed & Harrow	3.82	ac													\$0
xx	-		-	-	-										\$229
															\$0
Bone Yard North of Truck Shop	2.00	ac													\$0
Dismantle & dispose of misc debris	1.00	LS	30.000	1.000	30.0	\$36.63	\$1,099	\$33.00	\$33	\$89.00	\$89	\$0.00	\$0	\$1,221.00	\$1,221
<i>Labor</i>	30.00	Mhr	1.000	1.000	30.0	\$36.63	\$1,099								\$1,099
1 Laborer	2.00	Mday	10.000	1.000	20.0	\$28.93	\$579								\$579
2 Equipment Operator	-	Mhr	1.000	1.000	-	\$41.21	\$0								\$0
4 Working Foreman	1.00	Mday	10.000	1.000	10.0	\$51.98	\$520								\$520
xx	-		-	-	-	\$0.00	\$0								\$0
<i>Materials</i>															\$0
5 Tool Allowance	32.97	\$								\$33					\$33
xx	-		-	-	-			\$1.00	\$33						\$33
<i>Equipment</i>	5.00	EqHrs													\$0
0 None	-	EqHrs								\$17.80	\$89				\$89
6 Backhoe/Loader, Cat 426C	5.00	EqHrs								\$0.00	\$0				\$0
2 Dozer, Cat D9R	-	EqHrs								\$17.74	\$89				\$89
xx	-		-	-	-					\$135.89	\$0				\$0
<i>Subcontract</i>										\$0.00	\$0				\$0
None	-	LS													\$0
xx	-		-	-	-								\$2,000.00		\$0
													\$0.00	\$0	\$0

PTO-6

Reclamation Cost Estimate - Detail

Easy Junior Project

Process Plant, Truckshop & Office Area

PTO-6

	QTY	UNIT	LABOR				MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$
Recontour & Finish Grading	3,000.00	cy	0.001	1.000	4.0	\$41.25	\$165	\$0.00	\$0	\$0.18	\$544	\$0.00	\$0	\$0.24	\$709
Labor	4.00	Mhr	1.000	1.000	4.0	\$41.25	\$165								\$165
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0
2 Equipment Operator	4.00	Mhr	1.000	1.000	4.0	\$41.21	\$165								\$165
xx	-		-	-	-	-	\$0.00	\$0							\$0
Materials								\$0.00	\$0						\$0
None	-	LS						\$0.00	\$0						\$0
xx	-		-	-	-	-	-	\$0.00	\$0						\$0
Equipment	4.00	EqHrs						\$0.00	\$0						\$0
2 Dozer, Cat D9R	1.000	Regrade @ cy/hr			3.00					\$136.00	\$544				\$544
2 Dozer, Cat D9R	1.000	Finish Grading			1.00					\$135.89	\$408				\$408
xx	-		-	-	-	-	-	-	-	\$135.89	\$136				\$136
Subcontract										\$0.00	\$0				\$0
None	-	LS													\$0
xx	-		-	-	-	-	-	-	-						\$0
Apply Cover Soil to footprint	2,149.14	cy	0.004	1.000	8.3	\$41.18	\$343	\$0.00	\$0	\$0.53	\$1,140	\$0.00	\$0	\$0.69	\$1,483
Labor	8.33	Mhr	1.000	1.000	8.3	\$41.18	\$343								\$343
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0
2 Equipment Operator	8.33	Mhr	1.000	1.000	8.3	\$41.21	\$343								\$343
xx	-		-	-	-	-	\$0.00	\$0							\$0
Materials								\$0.00	\$0						\$0
None	-	LS						\$0.00	\$0						\$0
xx	-		-	-	-	-	-	\$0.00	\$0						\$0
Equipment	8.33	EqHrs													\$0
2 Dozer, Cat D9R	1.82	Boost at borrow area 33%			1.82					\$136.87	\$1,140				\$1,140
3 Scraper, Cat 631E	390	Haul & spread Cover Soil @ cy/hr			5.51					\$135.89	\$247				\$247
2 Dozer, Cat D9R	1.00	Finish Grading			1.00					\$137.36	\$757				\$757
xx	-		-	-	-	-	-	-	-	\$135.89	\$136				\$136
Subcontract										\$0.00	\$0				\$0
None	-	LS													\$0
xx	-		-	-	-	-	-	-	-						\$0
Broadcast & Harrow Fertilizer & Seed	2.00	ac	-	1.000	-	\$0.00	\$0	\$147.64	\$295	\$0.00	\$0	\$60.06	\$120	\$207.69	\$415
Labor	-	Mhr	1.000	1.000	-	\$0.00	\$0								\$0
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0
2 Equipment Operator	-	Mhr	1.000	1.000	-	\$41.21	\$0								\$0
xx	-		-	-	-	-	\$0.00	\$0							\$0
Materials															\$0
1 Fertilizer, 16-20-0 (16S)	2.00	ac								\$295					\$295
2 Seed Mixture	2.00	ac								\$0.00	\$0				\$0
xx	-		-	-	-	-	-	\$147.75	\$295						\$295
Equipment										\$0.00	\$0				\$0
0 None	-	EqHrs								\$0.00	\$0				\$0
xx	-	EqHrs								\$0.00	\$0				\$0
Subcontract															\$0
1 Broadcast Fertilizer														\$120	\$120
2 Broadcast Seed & Harrow	2.00	ac										\$0.00	\$0		\$0
xx	2.00	ac										\$60.00	\$120		\$120
															\$0

Reclamation Cost Estimate - Detail

Easy Junior Project

Process Plant, Truckshop & Office Area

PTO-7	Fuel Depot Area	QTY	UNIT	LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
				MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$	
	Dismantle utilities & dispose of debris	0.61	ac														
	Labor	1.00	LS	20.000	1.000	20.0	\$28.95	\$579	\$17.00	\$17	\$89.00	\$89	\$0.00	\$0	\$685.00	\$685	
	1 Laborer	2.00	Mhr	1.000	1.000	20.0	\$28.95	\$579								\$579	
	2 Equipment Operator	2.00	Mday	10.000	1.000	20.0	\$28.93	\$579								\$579	
	xx	-	Mhr	1.000	1.000	-	\$41.21	\$0								\$0	
	Materials							\$0.00	\$0							\$0	
	5 Tool Allowance	17.37	\$							\$17						\$17	
	xx								\$1.00	\$17						\$17	
	Equipment	5.00	EqHrs						\$0.00	\$0						\$0	
	0 None	-	EqHrs								\$17.80	\$89				\$89	
	6 Backhoe/Loader, Cat 426C	5.00	EqHrs								\$0.00	\$0				\$0	
	2 Dozer, Cat D9R	-	EqHrs								\$17.74	\$89				\$89	
	xx	-	EqHrs								\$135.89	\$0				\$0	
	Subcontract										\$0.00	\$0				\$0	
	None	-	LS											\$0		\$0	
	xx	-	LS										\$2,000.00	\$0		\$0	
	Recontour & Finish Grading	1,000.00	cy	0.003	1.000	2.7	\$41.25	\$110	\$0.00	\$0	\$0.36	\$362	\$0.00	\$0	\$0.47	\$472	
	Labor	2.67	Mhr	1.000	1.000	2.7	\$41.25	\$110								\$110	
	1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0	
	2 Equipment Operator	2.67	Mhr	1.000	1.000	2.7	\$41.21	\$110								\$110	
	xx	-						\$0.00	\$0						\$0		
	Materials															\$0	
	None	-	LS								\$0					\$0	
	xx	-	LS						\$0.00	\$0						\$0	
	Equipment	2.67	EqHrs													\$0	
	2 Dozer, Cat D9R	1.67	EqHrs								\$135.75	\$362				\$362	
	2 Dozer, Cat D9R	1.00	EqHrs								\$135.89	\$226				\$226	
	xx	-	EqHrs								\$135.89	\$136				\$136	
	Subcontract										\$0.00	\$0				\$0	
	None	-	LS											\$0		\$0	
	xx	-	LS											\$0		\$0	
	Apply Cover Soil to footprint	977.78	cy	0.004	1.000	3.8	\$41.21	\$158	\$0.00	\$0	\$0.54	\$524	\$0.00	\$0	\$0.70	\$682	
	Labor	3.83	Mhr	1.000	1.000	3.8	\$41.21	\$158								\$158	
	1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0	
	2 Equipment Operator	3.83	Mhr	1.000	1.000	3.8	\$41.21	\$158								\$158	
	xx	-						\$0.00	\$0							\$0	
	Materials															\$0	
	None	-	LS								\$0					\$0	
	xx	-	LS						\$0.00	\$0						\$0	
	Equipment	3.83	EqHrs													\$0	
	2 Dozer, Cat D9R	0.83	EqHrs								\$136.66	\$524				\$524	
	3 Scraper, Cat 631E	2.51	EqHrs								\$135.89	\$112				\$112	
	2 Dozer, Cat D9R	0.50	EqHrs								\$137.36	\$344				\$344	
	xx	-	EqHrs								\$135.89	\$68				\$68	
	Subcontract										\$0.00	\$0				\$0	
	None	-	LS											\$0		\$0	
	xx	-	LS											\$0		\$0	

Reclamation Cost Estimate - Detail

Easy Junior Project

Process Plant, Truckshop & Office Area

	QTY	UNIT	LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL	
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$
Broadcast & Harrow Fertilizer & Seed	0.61	ac	-	1.000	-	\$0.00	\$0	\$148.50	\$90	\$0.00	\$0	\$59.40	\$36	\$207.90	\$126
<i>Labor</i>															
1 Laborer	-	Mhr	1.000	1.000	-	\$0.00	\$0								\$0
2 Equipment Operator	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0
xx	-	Mhr	1.000	1.000	-	\$41.21	\$0								\$0
<i>Materials</i>															\$0
1 Fertilizer, 16-20-0 (16S)	0.61	ac						\$0.00	\$0						\$0
2 Seed Mixture	0.61	ac						\$147.75	\$90						\$90
xx	-							\$0.00	\$0						\$0
<i>Equipment</i>															\$0
0 None	-	EqHrs								\$0.00	\$0				\$0
xx	-	EqHrs								\$0.00	\$0				\$0
<i>Subcontract</i>												\$0.00	\$0		\$0
1 Broadcast Fertilizer	0.61	ac												\$36	\$36
2 Broadcast Seed & Harrow	0.61	ac										\$0.00	\$0		\$0
xx	-											\$60.00	\$36		\$36
															\$0

Reclamation Cost Estimate - Detail

Easy Junior Project

Cover Soil Areas

	QTY	UNIT	LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$	
TS-1 Onsite Cover Soil Stock Pile																
Re-contour, Finish Grading & Scarify	3.38	ac														
	5,000.00	cy	0.002	1.000	8.8	\$41.21	\$364	\$0.00	\$0	\$0.24	\$1,200	\$0.00	\$0	\$0.31	\$1,564	
Labor	8.83	Mhr	1.000	1.000	8.8	\$41.21	\$364								\$364	
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0	
2 Equipment Operator	8.83	Mhr	1.000	1.000	8.8	\$41.21	\$364								\$364	
xx	-		-	-	-	\$0.00	\$0								\$0	
Materials															\$0	
None	-	LS						\$0.00	\$0						\$0	
xx	-		-	-	-			\$0.00	\$0						\$0	
Equipment	8.83	EqHrs													\$0	
2 Dozer, Cat D9R	Regrade @ cy/hr	600	8.33							\$135.85	\$1,200				\$1,200	
2 Dozer, Cat D9R	Finish Grading		0.50							\$135.89	\$1,132				\$1,132	
xx	-		-	-	-					\$135.89	\$68				\$68	
Subcontract										\$0.00	\$0				\$0	
None	-	LS											\$0		\$0	
xx	-		-	-	-								\$0		\$0	
Broadcast & Harrow Fertilizer & Seed	3.38	ac		1.000		\$0.00	\$0	\$147.67	\$499	\$0.00	\$0	\$60.07	\$203	\$207.74	\$702	
Labor	-	Mhr	1.000	1.000	-	\$0.00	\$0								\$0	
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0	
2 Equipment Operator	-	Mhr	1.000	1.000	-	\$41.21	\$0								\$0	
xx	-		-	-	-	\$0.00	\$0								\$0	
Materials									\$499						\$499	
1 Fertilizer, 16-20-0 (16S)	3.38	ac						\$0.00	\$0						\$0	
2 Seed Mixture	3.38	ac						\$147.75	\$499						\$499	
xx	-		-	-	-			\$0.00	\$0						\$0	
Equipment	-	EqHrs								\$0.00	\$0				\$0	
0 None	-	EqHrs								\$0.00	\$0				\$0	
xx	-		-	-	-					\$0.00	\$0				\$0	
Subcontract													\$203		\$203	
1 Broadcast Fertilizer	3.38	ac											\$0.00	\$0	\$0	
2 Broadcast Seed & Harrow	3.38	ac										\$60.00	\$203	\$203		
xx	-		-	-	-										\$0	

Reclamation Cost Estimate - Detail

Easy Junior Project

Cover Soil Areas

TS-2	Alternative Cover Soil Borrow Area	QTY	UNIT	LABOR				MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
				MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$
	Re-contour, Finish Grading & Scarify	9.30	ac													
		7,000.00	cy	0.002	1.000	12.2	\$41.18	\$501	\$0.00	\$0	\$0.24	\$1,653	\$0.00	\$0	\$0.31	\$2,154
	Labor	12.17	Mhr	1.000	1.000	12.2	\$41.18	\$501								
	1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0							\$501	
	2 Equipment Operator	12.17	Mhr	1.000	1.000	12.2	\$41.21	\$501							\$0	
	xx	-		-	-	-	\$0.00	\$0							\$501	
	Materials														\$0	
	None	-	LS						\$0.00	\$0					\$0	
	xx	-		-	-	-	\$0.00	\$0							\$0	
	Equipment	12.17	EqHrs						\$0.00	\$0					\$0	
	2 Dozer, Cat D9R			Regrade @ cy/hr	600	11.67					\$135.86	\$1,653			\$1,653	
	2 Dozer, Cat D9R			Finish Grading		0.50					\$135.89	\$1,585			\$1,585	
	xx	-									\$135.89	\$68			\$68	
	Subcontract										\$0.00	\$0			\$0	
	None	-	LS												\$0	
	xx	-		-	-	-									\$0	
	Broadcast & Harrow Fertilizer & Seed	9.30	ac	-	1.000	-	\$0.00	\$0	\$147.78	\$1,374	\$0.00	\$0	\$60.02	\$558	\$207.80	\$1,932
	Labor															
	1 Laborer	-	Mhr	1.000	1.000	-	\$0.00	\$0							\$0	
	2 Equipment Operator	-	Mwk	50.000	1.000	-	\$28.93	\$0							\$0	
	xx	-	Mhr	1.000	1.000	-	\$41.21	\$0							\$0	
	Materials														\$0	
	1 Fertilizer, 16-20-0 (16S)	9.30	ac								\$1,374				\$1,374	
	2 Seed Mixture	9.30	ac						\$147.75	\$1,374					\$0	
	xx	-		-	-	-	\$0.00	\$0							\$1,374	
	Equipment														\$0	
	0 None	-	EqHrs								\$0.00	\$0			\$0	
	xx	-	EqHrs								\$0.00	\$0			\$0	
	Subcontract										\$0.00	\$0			\$0	
	1 Broadcast Fertilizer	9.30	ac										\$558		\$558	
	2 Broadcast Seed & Harrow	9.30	ac										\$60.00	\$558	\$558	
	xx	-		-	-	-									\$0	

Reclamation Cost Estimate - Detail

Easy Junior Project

Access Roads

Access Road	QTY	UNIT	LABOR						MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$		
AR-1 Road to Pit, Southern Offset of Primary Pre-mine Road	1.38	ac															
Minor Regrade & Scarify	1,500.00	cy	0.006	1.000	9.2	\$41.17	\$377	\$0.00	\$0	\$0.59	\$892	\$0.00	\$0	\$0.85	\$1,269		
<i>Labor</i>	9.16	Mhr	1.000	1.000	9.2	\$41.17	\$377										
1 Laborer		Mwk	50.000	1.000	-	\$28.93	\$0										\$0
2 Equipment Operator	9.16	Mhr	1.000	1.000	9.2	\$41.21	\$377										\$377
xx						\$0.00	\$0										\$0
<i>Materials</i>																	\$0
None		LS								\$0.00	\$0						\$0
xx										\$0.00	\$0						\$0
<i>Equipment</i>																	\$0
2 Dozer, Cat D9R	Regrade @ cy/hr	475	3.16							\$97.40	\$892						\$892
1 Dozer, Cat D5M	Assist D-9 to minimize disturbance		4.00							\$135.89	\$429						\$429
2 Dozer, Cat D9R	Finish Grading & Scarify		2.00							\$47.81	\$191						\$191
xx										\$135.89	\$272						\$272
<i>Subcontract</i>										\$0.00	\$0						\$0
None		LS															\$0
xx																	\$0
Apply Cover Soil as needed (assume 30%)	444.44	cy	0.006	1.000	2.5	\$41.29	\$102	\$0.00	\$0	\$0.76	\$337	\$0.00	\$0	\$0.99	\$439		
<i>Labor</i>	2.47	Mhr	1.000	1.000	2.5	\$41.29	\$102										
1 Laborer		Mwk	50.000	1.000	-	\$28.93	\$0										\$0
2 Equipment Operator	2.47	Mhr	1.000	1.000	2.5	\$41.21	\$102										\$102
xx						\$0.00	\$0										\$0
<i>Materials</i>																	\$0
None		LS								\$0.00	\$0						\$0
xx										\$0.00	\$0						\$0
<i>Equipment</i>																	\$0
2 Dozer, Cat D9R	Boost at borrow area	33%	0.49							\$136.42	\$337						\$337
3 Scraper, Cat 631E	Haul & spread Cover Soil @ cy/hr	300	1.48							\$135.89	\$66						\$66
2 Dozer, Cat D9R	Finish Grading		0.50							\$137.36	\$203						\$203
xx										\$135.89	\$68						\$68
<i>Subcontract</i>										\$0.00	\$0						\$0
None		LS															\$0
xx																	\$0
Broadcast & Harrow Fertilizer & Seed	1.38	ac		1.000		\$0.00	\$0	\$148.10	\$204	\$0.00	\$0	\$60.26	\$83	\$208.36	\$287		
<i>Labor</i>																	
1 Laborer		Mhr	1.000	1.000	-	\$0.00	\$0										\$0
2 Equipment Operator		Mwk	50.000	1.000	-	\$28.93	\$0										\$0
xx		Mhr	1.000	1.000	-	\$41.21	\$0										\$0
<i>Materials</i>																	\$0
1 Fertilizer, 16-20-0 (16S)	1.38	ac								\$204							\$204
2 Seed Mixture	1.38	ac								\$0.00	\$0						\$0
xx										\$147.75	\$204						\$204
<i>Equipment</i>										\$0.00	\$0						\$0
0 None		EqHrs								\$0.00	\$0						\$0
xx		EqHrs								\$0.00	\$0						\$0
<i>Subcontract</i>										\$0.00	\$0						\$0
1 Broadcast Fertilizer	1.38	ac															\$83
2 Broadcast Seed & Harrow	1.38	ac															\$0
xx																	\$83
																	\$0

Reclamation Cost Estimate - Detail

Easy Junior Project

Access Roads

AR-2 Easy Junior By-pass Road

	QTY	UNIT	LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL			
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$		
Minor Regrade & Scarify	3.58	ac															
	3,900.00	cy	0.006	1.000	22.2	\$41.20	\$915	\$0.00	\$0	\$0.55	\$2,138	\$0.00	\$0	\$0.78	\$3,053		
Labor	22.21	Mhr	1.000	1.000	22.2	\$41.20	\$915										
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0										
2 Equipment Operator	22.21	Mhr	1.000	1.000	22.2	\$41.21	\$915										
xx	-					\$0.00	\$0										
Materials									\$0								
None	-	LS							\$0.00	\$0							
xx	-								\$0.00	\$0							
Equipment	22.21	EqHrs							\$0.00	\$0							
2 Dozer, Cat D9R	Regrade @ cy/hr	475	8.21	EqHrs						\$96.26	\$2,138					\$2,138	
1 Dozer, Cat D5M	Assist D-9 to minimize disturbance		10.00	EqHrs						\$135.89	\$1,116					\$1,116	
2 Dozer, Cat D9R	Finish Grading & Scarify		4.00	EqHrs						\$47.81	\$478					\$478	
xx	-									\$135.89	\$544					\$544	
Subcontract										\$0.00	\$0					\$0	
None	-	LS														\$0	
xx	-															\$0	
Apply Cover Soil as needed (assume 60%)	2,311.11	cy	0.005	1.000	11.2	\$41.17	\$463	\$0.00	\$0	\$0.67	\$1,539	\$0.00	\$0	\$0.87	\$2,002		
Labor	11.25	Mhr	1.000	1.000	11.2	\$41.17	\$463										
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0										
2 Equipment Operator	11.25	Mhr	1.000	1.000	11.2	\$41.21	\$463										
xx	-					\$0.00	\$0										
Materials										\$0							
None	-	LS								\$0.00	\$0						
xx	-									\$0.00	\$0						
Equipment	11.25	EqHrs								\$0.00	\$0						
2 Dozer, Cat D9R	Boost at borrow area	33%	2.54	EqHrs						\$136.85	\$1,539					\$1,539	
3 Scraper, Cat 631E	Haul & spread Cover Soil @ cy/hr	300	7.70	EqHrs						\$135.89	\$345					\$345	
2 Dozer, Cat D9R	Finish Grading		1.00	EqHrs						\$137.36	\$1,058					\$1,058	
xx	-									\$135.89	\$136					\$136	
Subcontract										\$0.00	\$0					\$0	
None	-	LS														\$0	
xx	-															\$0	
Broadcast & Harrow Fertilizer & Seed	3.58	ac		1.000		\$0.00	\$0	\$147.71	\$529	\$0.00	\$0	\$60.03	\$215	\$207.75	\$744		
Labor	-	Mhr	1.000	1.000	-	\$0.00	\$0										
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0										
2 Equipment Operator	-	Mhr	1.000	1.000	-	\$41.21	\$0										
xx	-					\$0.00	\$0										
Materials										\$529						\$529	
1 Fertilizer, 16-20-0 (16S)	3.58	ac						\$0.00	\$0							\$0	
2 Seed Mixture	3.58	ac						\$147.75	\$529							\$529	
xx	-							\$0.00	\$0							\$0	
Equipment	-	EqHrs								\$0.00	\$0					\$0	
0 None	-	EqHrs								\$0.00	\$0					\$0	
xx	-									\$0.00	\$0					\$0	
Subcontract																\$0	
1 Broadcast Fertilizer	3.58	ac											\$215			\$215	
2 Broadcast Seed & Harrow	3.58	ac										\$0.00	\$0			\$0	
xx	-											\$60.00	\$215			\$215	
																\$0	

Reclamation Cost Estimate - Detail

Easy Junior Project

Access Roads

AR-3 Spur Road

	QTY	UNIT	LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$	
Minor Regrade & Scarify	1.15	ac														
	1,000.00	cy	0.007	1.000	7.1	\$41.24	\$293	\$0.00	\$0	\$0.61	\$613	\$0.00	\$0	\$0.91	\$906	
Labor	7.11	Mhr	1.000	1.000	7.1	\$41.24	\$293								\$293	
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0	
2 Equipment Operator	7.11	Mhr	1.000	1.000	7.1	\$41.21	\$293								\$293	
xx	-		-	-	-	\$0.00	\$0								\$0	
Materials															\$0	
None	-	LS						\$0.00	\$0						\$0	
xx	-		-	-	-	\$0.00	\$0								\$0	
Equipment	7.11	EqHrs						\$0.00	\$0						\$0	
2 Dozer, Cat D9R	475	EqHrs								\$86.27	\$613				\$613	
1 Dozer, Cat D5M	4.00	EqHrs								\$135.89	\$286				\$286	
2 Dozer, Cat D9R	1.00	EqHrs								\$47.81	\$191				\$191	
xx	-		-	-	-	\$0.00	\$0			\$135.89	\$136				\$136	
Subcontract										\$0.00	\$0				\$0	
None	-	LS												\$0	\$0	
xx	-		-	-	-	\$0.00	\$0							\$0	\$0	
Apply Cover Soil as needed (assume 60%)	740.74	cy	0.006	1.000	4.3	\$41.32	\$177	\$0.00	\$0	\$0.79	\$586	\$0.00	\$0	\$1.03	\$763	
Labor	4.28	Mhr	1.000	1.000	4.3	\$41.32	\$177								\$177	
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0	
2 Equipment Operator	4.28	Mhr	1.000	1.000	4.3	\$41.21	\$177								\$177	
xx	-		-	-	-	\$0.00	\$0								\$0	
Materials															\$0	
None	-	LS						\$0.00	\$0						\$0	
xx	-		-	-	-	\$0.00	\$0			\$0.00	\$0				\$0	
Equipment	4.28	EqHrs													\$0	
2 Dozer, Cat D9R	0.81	EqHrs								\$136.79	\$586				\$586	
3 Scraper, Cat 631E	2.47	EqHrs								\$135.89	\$111				\$111	
2 Dozer, Cat D9R	1.00	EqHrs								\$137.36	\$339				\$339	
xx	-		-	-	-	\$0.00	\$0			\$135.89	\$136				\$136	
Subcontract										\$0.00	\$0				\$0	
None	-	LS												\$0	\$0	
xx	-		-	-	-	\$0.00	\$0							\$0	\$0	
Broadcast & Harrow Fertilizer & Seed	1.15	ac	-	1.000	-	\$0.00	\$0	\$148.10	\$170	\$0.00	\$0	\$60.11	\$69	\$208.22	\$239	
Labor	-	Mhr	1.000	1.000	-	\$0.00	\$0								\$0	
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0	
2 Equipment Operator	-	Mhr	1.000	1.000	-	\$41.21	\$0								\$0	
xx	-		-	-	-	\$0.00	\$0								\$0	
Materials															\$0	
1 Fertilizer, 16-20-0 (16S)	1.15	ac								\$170					\$170	
2 Seed Mixture	1.15	ac								\$0.00	\$0				\$0	
xx	-		-	-	-	\$0.00	\$0			\$147.75	\$170				\$170	
Equipment															\$0	
0 None	-	EqHrs								\$0.00	\$0				\$0	
xx	-	EqHrs								\$0.00	\$0				\$0	
Subcontract															\$0	
1 Broadcast Fertilizer	1.15	ac												\$69	\$69	
2 Broadcast Seed & Harrow	1.15	ac										\$0.00	\$0	\$0	\$0	
xx	-		-	-	-	\$0.00	\$0					\$60.00	\$69	\$69	\$69	

Reclamation Cost Estimate - Detail

Easy Junior Project

Miscellaneous Areas

	QTY	UNIT	LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL			
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$		
M-F1 6 ft Chain Link Fence at Process Pond Area, 2215 ft	-	ac															
M-F1 Rollup Chain Link & pull posts	2,215.00	ft	0.020	1.000	44.3	\$36.59	\$1,621	\$0.02	\$49	\$0.05	\$105	\$0.00	\$0	\$0.80	\$1,775		
Labor	44.30	Mhr	1.000	1.000	44.3	\$36.59	\$1,621										
1 Laborer 1 Crew, ft=day 1.500	2.95	Mday	10.000	1.000	29.5	\$28.93	\$854										
2 Equipment Operator	-	Mhr	1.000	1.000	-	\$41.21	\$0										
4 Working Foreman	1.48	Mday	10.000	1.000	14.8	\$51.98	\$767										
xx	-					\$0.00	\$0										
Materials									\$49							\$49	
5 Tool Allowance 3%	48.63	\$						\$1.00	\$49							\$49	
xx								\$0.00	\$0							\$0	
Equipment	5.91	EqHrs								\$17.78	\$105					\$105	
0 None	-	EqHrs								\$0.00	\$0					\$0	
6 Backhoe/Loader, Cat 426C Misc assistance 40%	5.91	EqHrs								\$17.74	\$105					\$105	
2 Dozer, Cat D9R	-	EqHrs								\$135.89	\$0					\$0	
xx										\$0.00	\$0					\$0	
Subcontract																\$0	
None	-	LS														\$0	
xx												\$0.00	\$0			\$0	
M-F2 6 ft Chain Link for Plant, Truckshop, Office & Fuel area, 2860 ft	-	ac															
M-F2 Rollup Chain Link & pull posts	2,860.00	ft	0.020	1.000	57.2	\$36.61	\$2,094	\$0.02	\$63	\$0.05	\$135	\$0.00	\$0	\$0.80	\$2,292		
Labor	57.20	Mhr	1.000	1.000	57.2	\$36.61	\$2,094										
1 Laborer 1 Crew, ft=day 1.500	3.81	Mday	10.000	1.000	38.1	\$28.93	\$1,103										
2 Equipment Operator	-	Mhr	1.000	1.000	-	\$41.21	\$0										
4 Working Foreman	1.91	Mday	10.000	1.000	19.1	\$51.98	\$991										
xx						\$0.00	\$0										
Materials									\$63							\$63	
5 Tool Allowance 3%	62.82	\$						\$1.00	\$63							\$63	
xx								\$0.00	\$0							\$0	
Equipment	7.63	EqHrs								\$17.70	\$135					\$135	
0 None	-	EqHrs								\$0.00	\$0					\$0	
6 Backhoe/Loader, Cat 426C Misc assistance 40%	7.63	EqHrs								\$17.74	\$135					\$135	
2 Dozer, Cat D9R	-	EqHrs								\$135.89	\$0					\$0	
xx										\$0.00	\$0					\$0	
Subcontract																\$0	
None	-	LS														\$0	
xx												\$0.00	\$0			\$0	
												\$0.00	\$0			\$0	

Reclamation Cost Estimate - Detail

Easy Junior Project

Miscellaneous Areas

	QTY	UNIT	LABOR						MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$		
M-F2a 6 ft Chain Link at Truckshop, 140 ft																	
Rollup & pull posts	140.00	ft	0.020	1.000	2.8	\$36.79	\$103	\$0.02	\$3	\$0.05	\$7	\$0.00	\$0	\$0.81	\$113		
Labor	2.80	Mhr	1.000	1.000	2.8	\$36.79	\$103								\$103		
1 Laborer 1 Crew, ft=day 1.500	1.500	Mday	10.000	1.000	1.9	\$28.93	\$54								\$54		
2 Equipment Operator	-	Mhr	1.000	1.000	-	\$41.21	\$0								\$0		
4 Working Foreman	0.09	Mday	10.000	1.000	0.9	\$51.98	\$49								\$49		
xx	-		-	-	-	\$0.00	\$0								\$0		
Materials									\$3						\$3		
5 Tool Allowance 3%	3.09	\$						\$1.00	\$3						\$3		
xx	-		-	-	-			\$0.00	\$0						\$0		
Equipment	0.37	EqHrs								\$18.75	\$7				\$7		
0 None	-	EqHrs								\$0.00	\$0				\$0		
6 Backhoe/Loader, Cat 426C Misc assistance 40%	0.37	EqHrs								\$17.74	\$7				\$7		
2 Dozer, Cat D9R	-	EqHrs								\$135.89	\$0				\$0		
xx	-		-	-	-					\$0.00	\$0				\$0		
Subcontract															\$0		
None	-	LS											\$0.00	\$0	\$0		
xx	-		-	-	-								\$0.00	\$0	\$0		
M-F3 6 ft Chain Link for Fresh Water Pond, 760 ft																	
Rollup & pull posts	760.00	ft	0.020	1.000	15.2	\$36.58	\$556	\$0.02	\$17	\$0.05	\$36	\$0.00	\$0	\$0.80	\$609		
Labor	15.20	Mhr	1.000	1.000	15.2	\$36.58	\$556								\$556		
1 Laborer 1 Crew, ft=day 1.500	1.500	Mday	10.000	1.000	10.1	\$28.93	\$293								\$293		
2 Equipment Operator	-	Mhr	1.000	1.000	-	\$41.21	\$0								\$0		
4 Working Foreman	0.51	Mday	10.000	1.000	5.1	\$51.98	\$263								\$263		
xx	-		-	-	-	\$0.00	\$0								\$0		
Materials									\$17						\$17		
5 Tool Allowance 3%	16.68	\$						\$1.00	\$17						\$17		
xx	-		-	-	-			\$0.00	\$0						\$0		
Equipment	2.03	EqHrs								\$17.76	\$36				\$36		
0 None	-	EqHrs								\$0.00	\$0				\$0		
6 Backhoe/Loader, Cat 426C Misc assistance 40%	2.03	EqHrs								\$17.74	\$36				\$36		
2 Dozer, Cat D9R	-	EqHrs								\$135.89	\$0				\$0		
xx	-		-	-	-					\$0.00	\$0				\$0		
Subcontract															\$0		
None	-	LS											\$0.00	\$0	\$0		
xx	-		-	-	-								\$0.00	\$0	\$0		

Reclamation Cost Estimate - Detail

Easy Junior Project

Miscellaneous Areas

	QTY	UNIT	LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL			
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$		
M-F4 4 ft Field Fence, Northern Portion, 4880 ft	2.52	ac															
Rollup & pull posts	4,880.00	ft															
Labor																	
1 Laborer		Mhr	0.005	1.000	25.4	\$36.81	\$935	\$0.01	\$28	\$0.01	\$29	\$0.00	\$0	\$0.20	\$992		
2 Equipment Operator		Mday	1.000	1.000	25.4	\$36.81	\$935										
4 Working Foreman		Mday	1.000	1.000	1.0	\$41.21	\$41										
xx		Mday	10.000	1.000	8.1	\$51.98	\$423										
Materials																	
5 Tool Allowance		\$								\$28							\$28
xx									\$1.00	\$28							\$28
Equipment																	
0 None		EqHrs							\$0.00	\$0		\$17.83	\$29				\$29
6 Backhoe/Loader, Cat 426C		EqHrs										\$0.00	\$0				\$0
2 Dozer, Cat D9R		EqHrs										\$17.74	\$29				\$29
xx												\$135.89	\$0				\$0
Subcontract																	
None		LS												\$0			\$0
xx														\$0.00	\$0		\$0
Regrade Roads	1,200.00	cy															
Labor																	
1 Laborer		Mhr	0.003	1.000	3.0	\$41.33	\$124	\$0.00	\$0	\$0.12	\$143	\$0.00	\$0	\$0.22	\$267		
2 Equipment Operator		Mwk	50.000	1.000	-	\$28.93	\$0										
xx		Mhr	1.000	1.000	3.0	\$41.21	\$124										
Materials																	
None		LS								\$0							\$0
xx									\$0.00	\$0							\$0
Equipment																	
1 Dozer, Cat D5M		EqHrs							\$0.00	\$0		\$47.67	\$143				\$143
2 Dozer, Cat D9R		EqHrs										\$47.81	\$143				\$143
xx												\$135.89	\$0				\$0
Subcontract																	
None		LS												\$0			\$0
xx														\$0			\$0
Broadcast & Harrow Fertilizer & Seed	2.52	ac															
Labor																	
1 Laborer		Mhr		1.000	-	\$0.00	\$0	\$147.58	\$372	\$0.00	\$0	\$59.90	\$151	\$207.49	\$523		
2 Equipment Operator		Mwk	50.000	1.000	-	\$28.93	\$0										
xx		Mhr	1.000	1.000	-	\$41.21	\$0										
Materials																	
1 Fertilizer, 16-20-0 (16S)		ac								\$372							\$372
2 Seed Mixture		ac							\$0.00	\$0							\$0
xx									\$147.75	\$372							\$372
Equipment																	
0 None		EqHrs							\$0.00	\$0		\$0.00	\$0				\$0
xx		EqHrs										\$0.00	\$0				\$0
Subcontract																	
1 Broadcast Fertilizer		ac												\$151			\$151
2 Broadcast Seed & Harrow		ac												\$0.00	\$0		\$0
xx														\$60.00	\$151		\$151
																	\$0

Reclamation Cost Estimate - Detail

Easy Junior Project

Miscellaneous Areas

	QTY	UNIT	LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$	
M-F5 5 ft Field Fence, Southern Portion, 4750 ft	2.73	ac														
Rollup & pull posts	4,750.00	ft	0.005	1.000	24.8	\$36.77	\$910	\$0.01	\$27	\$0.01	\$28	\$0.00	\$0	\$0.20	\$965	
Labor	24.75	Mhr	1.000	1.000	24.8	\$36.77	\$910								\$910	
1 Laborer	1 Crew, ft=day	6,000	1.58	Mday	10.000	1.000	15.8	\$28.93	\$458						\$458	
2 Equipment Operator			1.00	Mhr	1.000	1.000	1.0	\$41.21	\$41						\$41	
4 Working Foreman			0.79	Mday	10.000	1.000	7.9	\$51.98	\$411						\$411	
xx							\$0.00	\$0							\$0	
Materials									\$27						\$27	
5 Tool Allowance	3%	27.30	\$						\$1.00	\$27					\$27	
xx								\$0.00	\$0						\$0	
Equipment	1.58	EqHrs								\$17.68	\$28				\$28	
0 None									\$0.00	\$0					\$0	
6 Backhoe/Loader, Cat 426C	Misc assistance	20%	1.58	EqHrs						\$17.74	\$28				\$28	
2 Dozer, Cat D9R										\$135.89	\$0				\$0	
xx										\$0.00	\$0				\$0	
Subcontract															\$0	
None															\$0	
xx															\$0	
Regrade Roads	1,200.00	cy	0.003	1.000	3.0	\$41.33	\$124	\$0.00	\$0	\$0.12	\$143	\$0.00	\$0	\$0.22	\$267	
Labor	3.00	Mhr	1.000	1.000	3.0	\$41.33	\$124								\$124	
1 Laborer															\$0	
2 Equipment Operator			50.000	1.000			\$28.93	\$0							\$0	
xx			3.00	Mhr	1.000	1.000	3.0	\$41.21	\$124						\$124	
Materials															\$0	
None										\$0					\$0	
xx									\$0.00	\$0					\$0	
Equipment	3.00	EqHrs													\$0	
1 Dozer, Cat D5M	at @ ft/day	4,000	3.00	EqHrs						\$47.67	\$143				\$143	
2 Dozer, Cat D9R			3.00	EqHrs						\$47.81	\$143				\$143	
xx										\$135.89	\$0				\$0	
Subcontract															\$0	
None															\$0	
xx															\$0	
Broadcast & Harrow Fertilizer & Seed	2.73	ac		1.000		\$0.00	\$0	\$147.83	\$403	\$0.00	\$0	\$60.16	\$164	\$207.99	\$567	
Labor															\$0	
1 Laborer															\$0	
2 Equipment Operator			50.000	1.000			\$28.93	\$0							\$0	
xx			1.000	1.000			\$41.21	\$0							\$0	
Materials															\$0	
1 Fertilizer, 16-20-0 (16S)			2.73	ac					\$403						\$403	
2 Seed Mixture			2.73	ac					\$147.75	\$403					\$0	
xx									\$0.00	\$0					\$0	
Equipment															\$0	
0 None										\$0.00	\$0				\$0	
xx										\$0.00	\$0				\$0	
Subcontract															\$0	
1 Broadcast Fertilizer			2.73	ac										\$164	\$164	
2 Broadcast Seed & Harrow			2.73	ac								\$60.00	\$164	\$0	\$164	
xx															\$0	

Reclamation Cost Estimate - Detail

Easy Junior Project

Miscellaneous Areas

	QTY	UNIT	LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$	
M-2 Small Bone Yard near Haul Road Junction	0.34	ac														
Dispose of misc debris	1.00	LS	15.000	1.000	15.0	\$36.60	\$549	\$16.00	\$16	\$35.00	\$35	\$0.00	\$0	\$600.00	\$600	
Labor	15.00	Mhr	1.000	1.000	15.0	\$36.60	\$549								\$549	
1 Laborer	1.00	Mday	10.000	1.000	10.0	\$28.93	\$289								\$289	
2 Equipment Operator		Mhr	1.000	1.000		\$41.21	\$0								\$0	
4 Working Foreman	0.50	Mday	10.000	1.000	5.0	\$51.98	\$260								\$260	
xx						\$0.00	\$0								\$0	
Materials									\$16						\$16	
5 Tool Allowance	3%	\$	16.47					\$1.00	\$16						\$16	
xx								\$0.00	\$0						\$0	
Equipment	2.00	EqHrs							\$0						\$0	
0 None		EqHrs								\$17.50	\$35				\$35	
6 Backhoe/Loader, Cat 426C		EqHrs								\$0.00	\$0				\$0	
xx	2.00	EqHrs								\$17.74	\$35				\$35	
Misc assistance																
Subcontract										\$0.00	\$0				\$0	
None		LS											\$0		\$0	
xx												\$0.00	\$0		\$0	
Minor Regrade of footprint	200.00	cy	0.003	1.000	0.5	\$41.25	\$22	\$0.00	\$0	\$0.36	\$72	\$0.00	\$0	\$0.47	\$94	
Labor	0.53	Mhr	1.000	1.000	0.5	\$41.25	\$22								\$22	
1 Laborer		Mwk	50.000	1.000		\$28.93	\$0								\$0	
2 Equipment Operator	0.53	Mhr	1.000	1.000	0.5	\$41.21	\$22								\$22	
xx						\$0.00	\$0								\$0	
Materials									\$0						\$0	
None		LS							\$0.00	\$0					\$0	
xx									\$0.00	\$0					\$0	
Equipment	0.53	EqHrs							\$0.00	\$0					\$0	
2 Dozer, Cat D9R		EqHrs								\$135.00	\$72				\$72	
at @ cy/hr	600															
2 Dozer, Cat D9R		EqHrs								\$135.89	\$45				\$45	
Finish Grading	0.20	EqHrs								\$135.89	\$27				\$27	
xx										\$0.00	\$0				\$0	
Subcontract										\$0.00	\$0				\$0	
None		LS											\$0		\$0	
xx													\$0		\$0	
Apply Cover Soil to footprint	185.19	cy	0.006	1.000	1.2	\$41.43	\$49	\$0.00	\$0	\$0.87	\$162	\$0.00	\$0	\$1.14	\$211	
Labor	1.18	Mhr	1.000	1.000	1.2	\$41.43	\$49								\$49	
1 Laborer		Mwk	50.000	1.000		\$28.93	\$0								\$0	
2 Equipment Operator	1.18	Mhr	1.000	1.000	1.2	\$41.21	\$49								\$49	
xx						\$0.00	\$0								\$0	
Materials									\$0						\$0	
None		LS							\$0.00	\$0					\$0	
xx									\$0.00	\$0					\$0	
Equipment	1.18	EqHrs							\$0.00	\$0					\$0	
2 Dozer, Cat D9R		EqHrs								\$136.97	\$162				\$162	
Boost at borrow area	33%															
3 Scraper, Cat 631E		EqHrs								\$135.89	\$30				\$30	
Haul & spread Cover Soil @ cy/hr	275															
2 Dozer, Cat D9R		EqHrs								\$137.36	\$91				\$91	
Finish Grading	0.30	EqHrs								\$135.89	\$41				\$41	
xx										\$0.00	\$0				\$0	
Subcontract										\$0.00	\$0				\$0	
None		LS											\$0		\$0	
xx													\$0		\$0	

Reclamation Cost Estimate - Detail

Easy Junior Project

Miscellaneous Areas

	QTY	UNIT	LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL	
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$
Broadcast & Harrow Fertilizer & Seed	0.34	ac	-	1.000	-	\$0.00	\$0	\$148.10	\$51	\$0.00	\$0	\$60.98	\$21	\$209.09	\$72
<i>Labor</i>	-	Mhr	1.000	1.000	-	\$0.00	\$0								\$0
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0
2 Equipment Operator	-	Mhr	1.000	1.000	-	\$41.21	\$0								\$0
xx	-		-	-	-	\$0.00	\$0								\$0
<i>Materials</i>									\$51						\$51
1 Fertilizer, 16-20-0 (16S)	0.34	ac						\$0.00	\$0						\$0
2 Seed Mixture	0.34	ac						\$147.75	\$51						\$51
xx	-		-	-	-			\$0.00	\$0						\$0
<i>Equipment</i>	-	EqHrs								\$0.00	\$0				\$0
0 None	-	EqHrs								\$0.00	\$0				\$0
xx	-		-	-	-					\$0.00	\$0				\$0
<i>Subcontract</i>															\$0
1 Broadcast Fertilizer	0.34	ac												\$21	\$21
2 Broadcast Seed & Harrow	0.34	ac										\$60.00	\$21	\$21	\$21
xx	-		-	-	-										\$0
M-3 Borrow Area West of By-Pass Road	0.46	ac													\$0
Minor Regrade of Footprint	1,200.00	cy	0.002	1.000	2.5	\$41.20	\$103	\$0.00	\$0	\$0.28	\$340	\$0.00	\$0	\$0.37	\$443
<i>Labor</i>	2.50	Mhr	1.000	1.000	2.5	\$41.20	\$103								\$103
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0
2 Equipment Operator	2.50	Mhr	1.000	1.000	2.5	\$41.21	\$103								\$103
xx	-		-	-	-	\$0.00	\$0								\$0
<i>Materials</i>										\$0	\$0				\$0
None	-	LS								\$0.00	\$0				\$0
xx	-		-	-	-					\$0.00	\$0				\$0
<i>Equipment</i>	2.50	EqHrs								\$0.00	\$0				\$0
2 Dozer, Cat D9R	600	at @ cy/hr									\$136.00	\$340			\$340
2 Dozer, Cat D9R	279	Finish Grading									\$135.89	\$272			\$272
xx	-		-	-	-						\$135.89	\$68			\$68
<i>Subcontract</i>												\$0.00	\$0		\$0
None	-	LS												\$0	\$0
xx	-		-	-	-										\$0
Apply Cover Soil to footprint	370.37	cy	0.006	1.000	2.1	\$41.15	\$85	\$0.00	\$0	\$0.76	\$283	\$0.00	\$0	\$0.99	\$368
<i>Labor</i>	2.07	Mhr	1.000	1.000	2.1	\$41.15	\$85								\$85
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0
2 Equipment Operator	2.07	Mhr	1.000	1.000	2.1	\$41.21	\$85								\$85
xx	-		-	-	-	\$0.00	\$0								\$0
<i>Materials</i>										\$0	\$0				\$0
None	-	LS								\$0.00	\$0				\$0
xx	-		-	-	-					\$0.00	\$0				\$0
<i>Equipment</i>	2.07	EqHrs													\$0
2 Dozer, Cat D9R	33%	Boost at borrow area									\$137.01	\$283			\$283
3 Scraper, Cat 631E	279	Haul & spread Cover Soil @ cy/hr									\$135.89	\$60			\$60
2 Dozer, Cat D9R	279	Finish Grading									\$137.36	\$182			\$182
xx	-		-	-	-						\$135.89	\$41			\$41
<i>Subcontract</i>												\$0.00	\$0		\$0
None	-	LS												\$0	\$0
xx	-		-	-	-										\$0

Reclamation Cost Estimate - Detail

Easy Junior Project

Miscellaneous Areas

	QTY	UNIT	LABOR				MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$
Broadcast & Harrow Fertilizer & Seed	0.46	ac	-	1.000	-	\$0.00	\$0	\$148.10	\$68	\$0.00	\$0	\$60.98	\$28	\$209.09	\$96
<i>Labor</i>	-	Mhr	1.000	1.000	-	\$0.00	\$0								\$0
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0
2 Equipment Operator	-	Mhr	1.000	1.000	-	\$41.21	\$0								\$0
xx	-				-	\$0.00	\$0								\$0
<i>Materials</i>									\$68						\$68
1 Fertilizer, 16-20-0 (16S)	0.46	ac					\$0.00	\$0							\$0
2 Seed Mixture	0.46	ac					\$147.75	\$68							\$68
xx								\$0.00	\$0						\$0
<i>Equipment</i>	-	EqHrs								\$0.00	\$0				\$0
0 None	-	EqHrs								\$0.00	\$0				\$0
xx										\$0.00	\$0				\$0
<i>Subcontract</i>										\$0.00	\$0				\$0
1 Broadcast Fertilizer	0.46	ac											\$28		\$28
2 Broadcast Seed & Harrow	0.46	ac										\$60.00	\$28		\$28
xx															\$0

Reclamation Cost Estimate - Detail

Easy Junior Project

Contractor's General Items				QTY	UNIT	LABOR				MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
						MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$
GC-1 Contractor's Supervision				-	ac													
Field Supervisor				12.00	wks	50.000	1.000	600.0	\$59.40	\$35,640	\$200.00	\$2,400	\$401.50	\$4,818	\$0.00	\$0	\$3,571.50	\$42,858
Labor				600.00	Mhr	1.000	1.000	600.0	\$59.40	\$35,640								\$35,640
	5	Supervisor	2 month duration, 2 weeks before, 1 after	12.00	Mwk	50.000	1.000	600.0	\$59.40	\$35,640								\$35,640
		xx		-		-	-	-	\$0.00	\$0								\$0
Materials											\$2,400							\$2,400
		Tool allowance & Misc		60.00	day					\$40.00	\$2,400							\$2,400
		xx		-		-	-	-		\$0.00	\$0							\$0
Equipment				780.00	EqHrs							\$6.18	\$4,818					\$4,818
	0	None		-	EqHrs							\$0.00	\$0					\$0
	7	Pickup, 4x4	Supervisor's Truck @ xx hrs/day	13.00	EqHrs							\$6.18	\$4,818					\$4,818
	2	Dozer, Cat D9R		-	EqHrs							\$135.89	\$0					\$0
		xx		-		-	-	-				\$0.00	\$0					\$0
Subcontract																\$0		\$0
		None		-	LS										\$0.00	\$0		\$0
		xx		-		-	-	-							\$0.00	\$0		\$0
GC-2 Field Support				-	ac													
Field Support				9.00	wks	57.791	1.000	520.1	\$41.20	\$21,431	\$223.22	\$2,009	\$3,772.56	\$33,953	\$564.44	\$5,080	\$6,941.44	\$62,473
Labor				520.12	Mhr	1.000	1.000	520.1	\$41.20	\$21,431								\$21,431
	1	Laborer	1 Crew, ft=day	1.500	Mday	10.000	1.000	0.1	\$28.93	\$3								\$3
	2	Equipment Operator	Blade operator	280.00	Mhr	1.000	1.000	280.0	\$41.21	\$11,538								\$11,538
	2	Equipment Operator	1000 gal water truck	120.00	Mhr	1.000	1.000	120.0	\$41.21	\$4,945								\$4,945
	2	Equipment Operator	500 gal water truck	120.00	Mhr	1.000	1.000	120.0	\$41.21	\$4,945								\$4,945
		xx		-		-	-	-	\$0.00	\$0								\$0
Materials											\$2,009							\$2,009
		Tool allowance & Misc		1.00	LS					\$200.00	\$200							\$200
		Radio Communication	8 handhelds, 9 weeks rental @ xx/wk	120.00	wks					\$201.00	\$1,809							\$1,809
		xx		-		-	-	-		\$0.00	\$0							\$0
Equipment				1,600.00	EqHrs							\$21.22	\$33,953					\$33,953
	0	None		-	EqHrs							\$0.00	\$0					\$0
	4	Motor Grader, Cat 140H	Misc assistance, 7 weeks @ 80% utilization = hrs	280.00	EqHrs							\$49.50	\$13,860					\$13,860
	7	Pickup, 4x4	3 Pickups for site work & crew transport @ 8 hrs/day avg, 9 weeks = hrs	1,080.00	EqHrs							\$6.18	\$6,671					\$6,671
	9	1,000-gal Water Spraying Truck	During scraper operations only 15 days @ 8 hrs/day avg = hrs	120.00	EqHrs							\$46.10	\$5,532					\$5,532
	10	5,000-gal Water Hauling Truck	During scraper operations only 15 days @ 8 hrs/day avg = hrs	120.00	EqHrs							\$65.75	\$7,890					\$7,890
		xx		-		-	-	-				\$0.00	\$0					\$0
Subcontract																\$5,080		\$5,080
		None		-	LS										\$0.00	\$0		\$0
		Sani-Huts	1 unit	9.00	wks										\$120.00	\$1,080		\$1,080
		Surveying		1.00	LS										\$4,000.00	\$4,000		\$4,000
		xx		-		-	-	-							\$0.00	\$0		\$0

Reclamation Cost Estimate - Detail

Easy Junior Project

Contractor's General Items

GC-3 Mob & Demob

	QTY	UNIT	LABOR				MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL			
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$	
	-	ac														
Mob & Demob	9.00	wks	2.667	1.000	24.0	\$31.00	\$744	\$222.22	\$2,000	\$0.00	\$0	\$1,833.89	\$16,505	\$2,138.78	\$19,249	
Labor	24.00	Mhr	1.000	1.000	24.0	\$31.00	\$744								\$744	
1 Laborer	2.00	Mday	10.000	1.000	20.0	\$28.93	\$579								\$579	
2 Equipment Operator	4.00	Mhr	1.000	1.000	4.0	\$41.21	\$165								\$165	
xx						\$0.00	\$0								\$0	
Materials								\$2,000							\$2,000	
Fueling & Maint Area	1.00	LS						\$2,000.00	\$2,000						\$2,000	
xx								\$0.00	\$0						\$0	
Equipment		EqHrs								\$0.00	\$0				\$0	
0 None		EqHrs								\$0.00	\$0				\$0	
xx										\$0.00	\$0				\$0	
Subcontract													\$16,505		\$16,505	
None		LS										\$0.00	\$0		\$0	
1 Dozer, Cat D5M	2.00	trips										\$147.50	\$295		\$295	
2 Dozer, Cat D9R	4.00	trips										\$1,802.50	\$7,210		\$7,210	
3 Scraper, Cat 631E	6.00	trips										\$1,302.50	\$7,815		\$7,815	
4 Motor Grader, Cat 140H	2.00	trips										\$297.50	\$595		\$595	
5 Excavator, Cat 315B w/hammer	2.00	trips										\$147.50	\$295		\$295	
6 Backhoe/Loader, Cat 426C	2.00	trips										\$147.50	\$295		\$295	
xx												\$0.00	\$0		\$0	

Appendix C.3

Reclamation Cost Estimate Heap Leach Pad Regraded to 2.5h:1v no Bench

Reclamation Cost Estimate - Detail Easy Junior Project

Heap Leach Pad Area - 2.5:1 Slope, no Catch Bench

HLP-1 Heap, 2.5:1 Slope, No Catch Bench

	QTY	UNIT	LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$	
Dispose of heap debris & prepare sump drains.	22.07	ac														
1.00 LS			225.000	1.000	225.0	\$35.35	\$7,953	\$1,939.00	\$1,939	\$1,301.00	\$1,301	\$0.00	\$0	\$11,193.00	\$11,193	
Labor	225.00	Mhr	1.000	1.000	225.0	\$35.35	\$7,953								\$7,953	
1 Laborer	10.00	Mday	10.000	1.000	100.0	\$28.93	\$2,893								\$2,893	
2 Equipment Operator	5.00	Mhr	1.000	1.000	5.0	\$41.21	\$206								\$206	
4 Working Foreman	3.00	Mday	10.000	1.000	30.0	\$51.98	\$1,559								\$1,559	
1 Laborer	6.00	Mday	10.000	1.000	60.0	\$28.93	\$1,736								\$1,736	
4 Working Foreman	3.00	Mday	10.000	1.000	30.0	\$51.98	\$1,559								\$1,559	
xx							\$0.00	\$0								
Materials																
5 Tool Allowance	238.59	\$							\$1,939						\$1,939	
Filter cloth	600.00	sqR						\$1.00	\$239						\$239	
Washed Gravel	10.00	cy						\$2.00	\$1,200						\$1,200	
xx								\$50.00	\$500						\$500	
Equipment	40.00	EqHrs						\$0.00	\$0							
0 None		EqHrs								\$32.53	\$1,301				\$1,301	
6 Backhoe/Loader, Cat 426C	15.00	EqHrs								\$0.00	\$0				\$0	
6 Backhoe/Loader, Cat 426C	20.00	EqHrs								\$17.74	\$266				\$266	
2 Dozer, Cat D9R	3.00	EqHrs								\$17.74	\$355				\$355	
2 Dozer, Cat D9R	3.00	EqHrs								\$135.89	\$408				\$408	
2 Dozer, Cat D9R	2.00	EqHrs								\$135.89	\$272				\$272	
xx										\$0.00	\$0				\$0	
Subcontract																
None		LS												\$0.00	\$0	
xx														\$0.00	\$0	
Regrade Heap to 2.5:1 Slopes	107,900.00	cy	0.001	1.000	119.9	\$41.21	\$4,941	\$0.00	\$0	\$0.15	\$16,294	\$0.00	\$0	\$0.20	\$21,235	
Labor	119.91	Mhr	1.000	1.000	119.9	\$41.21	\$4,941								\$4,941	
1 Laborer		Mwk	50.000	1.000		\$28.93	\$0								\$0	
2 Equipment Operator	119.91	Mhr	1.000	1.000	119.9	\$41.21	\$4,941								\$4,941	
xx							\$0.00	\$0								
Materials																
None		LS								\$0.00	\$0				\$0	
xx										\$0.00	\$0				\$0	
Equipment	119.91	EqHrs														
2 Dozer, Cat D9R	99.91	EqHrs								\$135.89	\$16,294				\$16,294	
2 Dozer, Cat D9R	20.00	EqHrs								\$135.89	\$13,576				\$13,576	
xx										\$135.89	\$2,718				\$2,718	
Subcontract																
None		LS												\$0.00	\$0	
xx														\$0.00	\$0	
Apply Cover Soil to heap	35,610.00	cy	0.009	1.000	305.0	\$41.21	\$12,568	\$0.00	\$0	\$1.17	\$41,704	\$0.00	\$0	\$1.52	\$54,272	
Labor	304.98	Mhr	1.000	1.000	305.0	\$41.21	\$12,568								\$12,568	
1 Laborer		Mwk	50.000	1.000		\$28.93	\$0								\$0	
2 Equipment Operator	304.98	Mhr	1.000	1.000	305.0	\$41.21	\$12,568								\$12,568	
xx							\$0.00	\$0								
Materials																
None		LS								\$0.00	\$0				\$0	
xx										\$0.00	\$0				\$0	
Equipment	304.98	EqHrs														
2 Dozer, Cat D9R	58.46	EqHrs								\$136.74	\$41,704				\$41,704	
3 Scraper, Cat G31E	177.16	EqHrs								\$135.89	\$7,945				\$7,945	
2 Dozer, Cat D9R	59.35	EqHrs								\$137.36	\$24,335				\$24,335	
2 Dozer, Cat D9R	10.00	EqHrs								\$135.89	\$8,065				\$8,065	
xx										\$135.89	\$1,359				\$1,359	
Subcontract																
None		LS												\$0.00	\$0	
xx														\$0.00	\$0	

Reclamation Cost Estimate - Detail

Easy Junior Project

Heap Leach Pad Area - 2.5:1 Slope, no Catch Bench

	QTY	UNIT	LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL	
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$
Broadcast & Harrow Fertilizer & Seed	22.07	ac	-	1.000	-	\$0.00	\$0	\$147.76	\$3,261	\$0.00	\$0	\$59.99	\$1,324	\$207.75	\$4,585
<i>Labor</i>		Mhr	1.000	1.000	-	\$0.00	\$0								\$0
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0
2 Equipment Operator	-	Mhr	1.000	1.000	-	\$41.21	\$0								\$0
xx	-					\$0.00	\$0								\$0
<i>Materials</i>									\$3,261						\$3,261
1 Fertilizer 16-20-0 (16S)	22.07	ac						\$0.00	\$0						\$0
2 Seed Mixture	22.07	ac						\$147.75	\$3,261						\$3,261
xx	-							\$0.00	\$0						\$0
<i>Equipment</i>										\$0.00	\$0				\$0
0 None	-	EqHrs								\$0.00	\$0				\$0
xx	-									\$0.00	\$0				\$0
<i>Subcontract</i>													\$1,324		\$1,324
1 Broadcast Fertilizer	22.07	ac										\$0.00	\$0		\$0
2 Broadcast Seed & Harrow	22.07	ac										\$60.00	\$1,324		\$1,324
xx	-														\$0
HLP-2 Process Storage Area, SW of Heap	4.26	ac													
Level Distribution Box & Dispose of Process Debris	1.00	LS	90.000	1.000	90.0	\$36.61	\$3,295	\$349.00	\$349	\$284.00	\$284	\$0.00	\$0	\$3,928.00	\$3,928
<i>Labor</i>	90.00	Mhr	1.000	1.000	90.0	\$36.61	\$3,295								\$3,295
1 Laborer	4.00	Mday	10.000	1.000	40.0	\$28.93	\$1,157								\$1,157
1 Laborer	2.00	Mday	10.000	1.000	20.0	\$28.93	\$579								\$579
2 Equipment Operator	-	Mhr	1.000	1.000	-	\$41.21	\$0								\$0
4 Working Foreman	3.00	Mday	10.000	1.000	30.0	\$51.98	\$1,559								\$1,559
xx	-					\$0.00	\$0								\$0
<i>Materials</i>															
5 Tool Allowance	3%	\$	98.85						\$349						\$349
Grout to level distribution box	0.50	cy						\$500.00	\$250						\$250
xx	-							\$0.00	\$0						\$0
<i>Equipment</i>	16.00	EqHrs								\$17.75	\$284				\$284
0 None	-	EqHrs								\$0.00	\$0				\$0
6 Backhoe/Loader, Cat 426C	12.00	EqHrs								\$17.74	\$213				\$213
6 Backhoe/Loader, Cat 426C	4.00	EqHrs								\$17.74	\$71				\$71
xx	-									\$0.00	\$0				\$0
<i>Subcontract</i>													\$0		\$0
None	-	LS										\$0.00	\$0		\$0
xx	-											\$0.00	\$0		\$0
Regrade footprint to exclude run-on	5,000.00	cy	0.002	1.000	10.3	\$41.23	\$426	\$0.00	\$0	\$0.28	\$1,404	\$0.00	\$0	\$0.37	\$1,830
<i>Labor</i>	10.33	Mhr	1.000	1.000	10.3	\$41.23	\$426								\$426
1 Laborer	-	Mwk	50.000	1.000	-	\$28.93	\$0								\$0
2 Equipment Operator	10.33	Mhr	1.000	1.000	10.3	\$41.21	\$426								\$426
xx	-					\$0.00	\$0								\$0
<i>Materials</i>															
None	-	LS								\$0.00	\$0				\$0
xx	-									\$0.00	\$0				\$0
<i>Equipment</i>	10.33	EqHrs													
2 Dozer, Cat D9R	at @ cy/hr 600	EqHrs	8.33							\$135.87	\$1,404				\$1,404
2 Dozer, Cat D9R	Finish Grading	EqHrs	2.00							\$135.89	\$1,132				\$1,132
xx	-									\$135.89	\$272				\$272
xx	-									\$0.00	\$0				\$0
<i>Subcontract</i>													\$0		\$0
None	-	LS											\$0		\$0
xx	-												\$0		\$0

Reclamation Cost Estimate - Detail

Easy Junior Project

Heap Leach Pad Area - 2.5:1 Slope, no Catch Bench

	QTY	UNIT	LABOR					MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$	
Apply Cover Soil to footprint	5,499.26	cy	0.004	1.000	19.6	\$41.20	\$808									
Labor	19.61	Mhr	1.000	1.000	19.6	\$41.20	\$808	\$0.00	\$0	\$0.49	\$2,685	\$0.00	\$0	\$0.64	\$3,493	
1 Laborer		Mhr	1.000	1.000	19.6	\$41.20	\$808								\$808	
2 Equipment Operator	19.61	Mhr	1.000	1.000	19.6	\$41.21	\$808								\$0	
xx							\$0.00	\$0							\$808	
Materials																
None		LS							\$0						\$0	
xx									\$0.00	\$0					\$0	
Equipment	19.61	EqHrs							\$0.00	\$0						
2 Dozer, Cat D9R	4.62	EqHrs								\$136.91	\$2,685				\$2,685	
3 Scraper, Cat 631E	13.99	EqHrs								\$135.89	\$627				\$627	
2 Dozer, Cat D9R	1.00	EqHrs								\$137.36	\$1,922				\$1,922	
xx										\$135.89	\$136				\$136	
Subcontract										\$0.00	\$0					
None		LS													\$0	
xx															\$0	
Broadcast & Harrow Fertilizer & Seed	4.26	ac		1.000		\$0.00	\$0	\$147.86	\$630	\$0.00	\$0	\$60.08	\$256	\$207.94	\$886	
Labor																
1 Laborer		Mhr	1.000	1.000		\$0.00	\$0								\$0	
2 Equipment Operator		Mwk	50.000	1.000		\$28.93	\$0								\$0	
xx		Mhr	1.000	1.000		\$41.21	\$0								\$0	
Materials																
1 Fertilizer, 16-20-0 (16S)	4.26	ac								\$630					\$630	
2 Seed Mixture	4.26	ac						\$0.00	\$0						\$0	
xx								\$147.75	\$630						\$630	
Equipment										\$0.00	\$0					
0 None		EqHrs								\$0.00	\$0				\$0	
xx		EqHrs								\$0.00	\$0				\$0	
Subcontract										\$0.00	\$0					
1 Broadcast Fertilizer	4.26	ac												\$256	\$256	
2 Broadcast Seed & Harrow	4.26	ac										\$0.00	\$0	\$0	\$0	
xx												\$60.00	\$256	\$256	\$256	

Appendix C.4

Reclamation Cost Estimate Heap Leach Pad Regraded to 3h:1v with Bench

Reclamation Cost Estimate - Detail

Easy Junior Project

QTY	UNIT	MH/UNIT	FACTOR	MANHOURS	RATE	LABOR		MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL
						TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	
26.91	ac	1.00	1.000	225.0	\$35.35	\$7,953	\$1,939.00	\$1,939	\$1,301.00	\$1,301	\$0.00	\$0	\$11,193.00	
	LS												\$0	
	Dispose of heap debris & prepare sump drains.													
1	Laborer			225.0	\$35.35	\$7,953								
2	Equipment Operator			100.0	\$28.93	\$2,893								
4	Working Foreman			30.0	\$51.98	\$1,559								
1	Laborer			60.0	\$28.93	\$1,736								
1	Laborer			3.00	\$51.98	\$155.94								
4	Working Foreman			3.00	\$51.98	\$155.94								
1	Laborer			6.00	\$28.93	\$173.58								
4	Working Foreman			3.00	\$51.98	\$155.94								
6	426C Backhoe/Loader, Cat			20.00	\$17.74	\$354.84								
6	426C Backhoe/Loader, Cat			20.00	\$17.74	\$354.84								
2	Dozer, Cat D9R			3.00	\$135.89	\$407.67								
2	Dozer, Cat D9R			2.00	\$135.89	\$271.78								
	Place Protection lift on sump drains													
	Build access & Excavate disposal area at heap toe													
	Heap Debris Misc assistance													
	Backhoe/Loader, Cat													
	Heap Debris Misc assistance													
	Sump Drains Misc assistance													
	426C Backhoe/Loader, Cat													
	426C Backhoe/Loader, Cat													
	Dozer, Cat D9R													
	Dozer, Cat D9R													
	Finish Grading													
	at @ cy/hr: 910													
	Equipment													
	194 29													
	EqHrs													
	174 29													
	EqHrs													
	20 00													
	EqHrs													
	20 00													
	EqHrs													
	Finish Grading													
	Dozer, Cat D9R													
	Dozer, Cat D9R													
	Subcontract													
	None													
	LS													
	43,420.00													
	cy													
	0.007													
	1,000													
	Mhr													
	297.3													
	1,000													
	MwK													
	50,000													
	1,000													
	Equipment Operator													
	2													
	Equipment Operator													
	297.3													
	1,000													
	Mhr													
	297.3													
	1,000													
	Equipment Operator													
	2													
	Equipment Operator													
	297.3													
	1,000													
	Mhr													
	297.3													
	1,000													
	Laborer													
	1													
	Laborer													
	297.3													
	1,000													
	Mhr													
	297.3													
	1,000													
	Equipment Operator													
	2													
	Equipment Operator													
	297.3													
	1,000													
	Mhr													
	297.3													
	1,000													
	Laborer													
	1													
	Laborer													
	297.3													
	1,000													
	Mhr													
	297.3													
	1,000													
	Equipment Operator													
	2													
	Equipment Operator													
	297.3													
	1,000													
	Mhr													
	297.3													
	1,000													
	Laborer													
	1													
	Laborer													
	297.3													
	1,000													
	Mhr													
	297.3													
	1,000													
	Equipment Operator													
	2													
	Equipment Operator													
	297.3													
	1,000													
	Mhr													
	297.3													
	1,000													
	Laborer													
	1													
	Laborer													
	297.3													
	1,000													
	Mhr													
	297.3													
	1,000													
	Equipment Operator													
	2													
	Equipment Operator													
	297.3													
	1,000													
	Mhr													
	297.3													
	1,000													
	Laborer													
	1													
	Laborer													
	297.3													
	1,000													
	Mhr													
	297.3													
	1,000													
	Equipment Operator													
	2													
	Equipment Operator													
	297.3													

Reclamation Cost Estimate - Detail

Easy Junior Project

Heap Leach Pad Area - 3:1 Slope, with Catch Bench

	QTY	UNIT	LABOR				MATERIAL		EQUIPMENT		SUBCONTRACT		TOTAL		
			MH/UNIT	FACTOR	MANHOURS	RATE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	\$/unit	\$
Apply Cover Soil to footprint	5,499.26	cy	0.004	1.000	19.6	\$41.20	\$808								
Labor	19.61	Mhr	1.000	1.000	19.6	\$41.20	\$808								
1 Laborer		Mwk	50.000	1.000		\$28.93	\$0								
2 Equipment Operator	19.61	Mhr	1.000	1.000	19.6	\$41.21	\$808								
xx						\$0.00	\$0								
Materials															
None		LS						\$0							
xx								\$0.00	\$0						
Equipment	19.61	EqHrs													
2 Dozer, Cat D9R		EqHrs						\$136.91	\$2,685						
3 Scraper, Cat 631E		EqHrs						\$135.89	\$627						
2 Dozer, Cat D9R		EqHrs						\$137.36	\$1,922						
xx								\$135.89	\$136						
Subcontract															
None		LS											\$0	\$0	
xx													\$0	\$0	
Broadcast & Harrow Fertilizer & Seed	4.26	ac		1.000		\$0.00	\$0	\$147.86	\$630	\$0.00	\$0	\$60.08	\$256	\$207.94	\$886
Labor		Mhr	1.000	1.000		\$0.00	\$0								
1 Laborer		Mwk	50.000	1.000		\$28.93	\$0								
2 Equipment Operator		Mhr	1.000	1.000		\$41.21	\$0								
xx						\$0.00	\$0								
Materials															
1 Fertilizer, 16-20-0 (16S)	4.26	ac						\$0.00	\$0						
2 Seed Mixture	4.26	ac						\$147.75	\$630						
xx								\$0.00	\$0						
Equipment		EqHrs													
0 None		EqHrs						\$0.00	\$0						
xx								\$0.00	\$0						
Subcontract															
1 Broadcast Fertilizer	4.26	ac											\$256	\$256	
2 Broadcast Seed & Harrow	4.26	ac										\$0.00	\$0	\$0	
xx												\$60.00	\$256	\$256	