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State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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February 14, 2000

Michael W. Glasson, Senior Geologist
Andalex Resources, Inc.
Tower Division
P.O. Box 902
Price, Utah 84501

Re: Conclusions of Midterm Review at Centennial and Review of Annual Water Monitoring Reports, Andalex Resources Inc., Centennial Mine, ACT/007/019-MT99, and Wildcat Loadout ACT/007/033, Outgoing File

Dear Mr. Glasson:

As indicated in our August 19, 1999 and June 4, 1999 letters, the Division has been conducting a midterm permit review for the Centennial Mine, in accordance with R645-303-211. The Division also reviewed water monitoring reports for the Centennial Mine and the Wildcat Loadout. This letter is written to present the results of those reviews and establish the follow-up that you are required to do.

Bond Estimate at Centennial Mine

One part of the review was an evaluation of the bond to ensure that coverage is adequate. The Division was not able to complete the bond calculations because not enough information was provided. For example, earthwork calculations did not include enough information for the earthwork costs. Dozer costs were calculated with assumptions about the haul distance and grade but did no references were given. In addition, no productivity data for the front end loaders and trucks was provided. (Note: Upon request, the Division will assist you calculate the productivity rates.)

The Division also reviewed demolition costs. Andalex estimated the demolition cost to be $215,276.66, while the Division calculated the cost to be $281,140. The main reasons the Division's demolition costs are higher are:

1) higher concrete demolition costs
2) addition of debris disposal costs
3) portal sealing costs

The Division used a unit cost of $50.00 per cubic yard for concrete demolition and on site disposal. The concrete unit cost is based on current AML costs because disposal costs for debris are not included in the *Means* demolition costs. (Note: The debris disposal unit costs were those used for the West Ridge mine.)

The Division and MSHA require that all portals be sealed and backfilled for reclamation, but Andalex did not include the cost to seal the portals. The Division included the portal sealing cost, which is based on AML costs. See attached sheets for details.

Additionally, Andalex did not provide the cost of planting shrubs and trees in the vegetation cost estimate, or revegetation costs. The Division usually includes a 25% revegetation cost in the bond estimate in the event vegetation fails to be established after the first planting.

Different indirect costs were also used. The indirect costs used by the Division are:

1) maintenance and monitoring
2) contingency
3) engineering redesign
4) startup costs including mobilization and demobilization
5) contract management

In summary, detailed reclamation costs as outlined in the *OSM Reclamation Cost Handbook* must be provided. A copy of the Division's reclamation cost estimate is enclosed for your information.

Water Monitoring Data Review at Centennial Mine and Wildcat Loadout

Another area reviewed which also identified problem was that of water monitoring data. A memo dated August 5, 1999, listed missing quarterly operational water-monitoring data and Discharge Monitoring Reports for the Centennial Mine and Wildcat Loadout. Data are missing at least as far back as 1993. Mike Glasson agreed to send copies of the missing data, and in November 1999 the Division received a thick bundle that contained much, but not all, of the missing data (Table 1).

After a second memo on December 19, 1999, which included a recommendation for a NOV for failure to follow the mining plan, more data were received on January 10, 2000. Data are still missing (Table 2). It is unclear from documents submitted by Andalex to UDOGM whether or not field parameters were measured or water samples collected and analyzed for the 3rd quarter 1994 at Well #1 and the 3rd quarter 1989 at WCW4. In the absence of conclusive evidence that samples were taken and analyzed, UDOGM will assume that the sampling did not

occur and the data do not exist.

Table 1 - Missing Operational Water Quality Data as of December 1999

		Lab Analysis Reports	Field Measurements
Well #1	1999	2nd quarter	2nd quarter
	1998	1st and 2nd quarters	1st and 2nd quarters
	1997	1st, 2nd, and 4th quarters Annual report missing	2nd and 4th quarters
	1996	2nd quarter	
	1995		
	1994	3rd (?)* quarter	3rd quarter
	1993		
12-1 (Alrad Cyn.)	1995-1998	All (?)*	All (?)*
WCW4	1989	3rd quarter	3rd quarter

Table 2 - Missing Operational Water Quality Data as of January 12, 1999

		Lab Analysis Reports	Field Measurements
Well #1	1999	2nd quarter	2nd quarter
	1998	1st and 2nd quarters	1st and 2nd quarters
	1997	1st, 2nd, and 4th quarters Annual report missing	2nd and 4th quarters
	1996	2nd quarter	
12-1 (Alrad Cyn.)	1995-1999	All - Information on this site is completely absent from all reports.	All

This essentially completes the midterm review. You are now required to supply the information that addresses the both of the above-noted issues.

All of the information and data to address the midterm issues will need to be submitted by no later than April 15, 2000. If you have any questions regarding these requirements or the Midterm Review please don't hesitate to call me at 538-5268 or Wayne Western 538-5263 (bond calculations) and Jim Smith 538-5262 (water monitoring).

Sincerely,

Pam Grubaugh-Littig
Permit Supervisor

tm
Enclosure
cc: Jim Smith
Wayne Western
Price Field Office
O:\007019.CEN\FINAL\midtdefltr.wpd

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOL.	WEIGHT	DEN.	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
01	Loadout Bin															FT		8000	CF	1840.00
	Structure's Demo. Cost	Steel Building	020 604 0012	0.23	/CF	20	20	20									0.35	2800	CF	
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost Non-Steel																			
	Disposal Cost Non-Steel	City Services West Ridge	City Service WR	3.67	/CY															
	Steel's Weight																			
	Transport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			1840.00
	Equipment's Demolition Cost																			
	Dismatle Cost																			
	Transport Cost																			
	Disposal Cost																			
	Subtotal																			
																FT		0	CY	0.00
	Floor's Demo. Cost	Concrete Demolition	AML	50	/CY															
	Site Factor																			
	Reinforcement Factor																1.3	0	CY	0.00
	Volume (Dimolished)																			
	Transport Cost																	0	CY	0.00
	Disposal Fee																			0.00
	Subtotal																			
	Foundation's Demo. Cost																			
	Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Transport Cost																			
	Disposal Cost																			
	Subtotal																			
	Footer's Demo. Cost																			
	Site Factor																			
	Rein. Factor																			
	Volume (Dimolished)																			
	Transport Cost																			
	Disposal Cost																			
	Subtotal																			
	Total																			1840.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSIT	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
02	Concrete																			
	Structure's Demolition Cost																			
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost																			
	Steel's Weight																			
	Transport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY	20	28	0.75								FT		16	CY	800.00
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																1.3	21	CY	0.00
	Floor's Transport Cost																			
	Floor's Disposal Fee																	21	CY	0.00
	Subtotal																			800.00
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			800.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
03	Reclaim																			
	Structure's Demolition Cost	Steel Building	020 604 0012	0.23	/CF	8	12	150								FT		14400	CF	3312.00
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost																			
	Steel's Weight																			
	Transport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			3312.00
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY											FT		0	CY	0.00
	Floor's Site Factor																			
	Floor's Rein. Factor																1.3	0	CY	0.00
	Floor's Volume (Dimolished)																			
	Floor's Transport Cost																	0	CY	0.00
	Floor's Disposal Fee																			
	Subtotal																			0.00
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			3312.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSIT	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
04	Conveyor																			
	Structure's Demolition Cost	Steel Building	020 604 0012	0.23	/CF	4	4	250								FT		4000	CF	920.00
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost																			
	Steel's Weight																			
	Transport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			920.00
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY											FT		0	CY	0.00
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																1.3	0	CY	0.00
	Floor's Transport Cost																			
	Floor's Disposal Fee																	0	CY	0.00
	Subtotal																			0.00
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			920.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
05	Hopper																			
	Structure's Demolition Cost	Steel Building	020 604 0012	0.23	/CF	20	20	15								FT		6000	CF	1380.00
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost	Dump Truck 16 ton	Dump Truck 16 t	5.57	/TON-HR															
	Disposal Cost	ECDC	ECDC	35.00	/TON															
	Steel's Weight																			
	Transport Cost Steel	Dump Truck 16 ton	Dump Truck 16 t	5.57	/TON-HR															
	Disposal Cost Steel																			
	Subtotal																			1380.00
	Equipment's Demolition Cost																			
	Equipment's Volume																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY											FT		0	CY	0.00
	Floor's Site Factor																			
	Floor's Rein. Factor																1.3	0	CY	0.00
	Floor's Volume (Dimolished)																			
	Floor's Transport Cost																	0	CY	0.00
	Floor's Disposal Fee																			0.00
	Subtotal																			
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			1380.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
06	Conveyor																			
	Structure's Demolition Cost	Steel Building	020 604 0012	0.23	/CF	5	5	260										6500	CF	1495.00
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost																			
	Steel's Weight																			
	Transport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			1495.00
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY															
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																			
	Floor's Transport Cost																			
	Floor's Disposal Fee																			
	Subtotal																			
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			1495.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
07	Tunnel																			
	Structure's Demolition Cost	Steel Building	020 604 0012	0.23	/CF	8	12	90								FT		8640	CF	1987.00
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost																			
	Steel's Weight																			
	Transport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			1987.00
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY											FT		0	CY	0.00
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																1.3	0	CY	0.00
	Floor's Transport Cost																			
	Floor's Disposal Fee																	0	CY	0.00
	Subtotal																			0.00
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			1987.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
08	Fan																			
	Structure's Demolition Cost	Steel Building	020 604 0012	0.23	/CF	8	20	20								FT		3200	CF	736.00
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost																			
	Steel's Weight																			
	Transport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			736.00
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY											FT		0	CY	0.00
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																1.3	0	CY	0.00
	Floor's Transport Cost																			
	Floor's Disposal Fee																	0	CY	0.00
	Subtotal																			0.00
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			736.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
09	Sub Transformers																			
	Structure's Demolition Cost	75 KVA	020 708 1520	283	Ea.													2	Ea	566.00
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost																			
	Steel's Weight																			
	Transport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			566.00
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY											FT		0	CY	0.00
	Floor's Site Factor																			
	Floor's Rein. Factor																1.3	0	CY	0.00
	Floor's Volume (Dimolished)																			
	Floor's Transport Cost																	0	CY	0.00
	Floor's Disposal Fee																			0.00
	Subtotal																			
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			566.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
10	Substation Fence																			
	Structure's Demolition Cost	Chain Link 8' to 10' high	020 554 0700	2.5	/LF	104										FT		104	FT	260.00
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost																			
	Steel's Weight																			
	Transport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			260.00
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY															
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																			
	Floor's Transport Cost																			
	Floor's Disposal Fee																			
	Subtotal																			
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			260.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
11	Water Tank																			
	Structure's Demolition Cost	Steel Building	020 604 0012	0.23	/CF						941					CF		941	CF	216.00
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost																			
	Steel's Weight																			
	Transport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			216.00
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY	0	0	0.5								FT		0	CY	0.00
	Floor's Site Factor																			
	Floor's Rein. Factor																1.3	0	CY	0.00
	Floor's Volume (Dimolished)																			
	Floor's Transport Cost																	0	CY	0.00
	Floor's Disposal Fee																			
	Subtotal																			0.00
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			216.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
14	Concrete																			
	Structure's Demo. Cost																			
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost																			
	Steel's Weight																			
	Transport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment's Demolition Cost																			
	Dismatle Cost																			
	Transport Cost																			
	Disposal Cost																			
	Subtotal																			
	Floor's Demo. Cost	Concrete Demolition	AML	50	/CY						47.15					CY		47	CY	2350.00
	Site Factor																			
	Reinforcement Factor																1.3	61	CY	0.00
	Volume (Dimolished)																			
	Transport Cost																	61	CY	0.00
	Disposal Fee																			2350.00
	Subtotal																			
	Foundation's Demo. Cost																			
	Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Transport Cost																			
	Disposal Cost																			
	Subtotal																			
	Footer's Demo. Cost																			
	Site Factor																			
	Rein. Factor																			
	Volume (Dimolished)																			
	Transport Cost																			
	Disposal Cost																			
	Subtotal																			
	Total																			2350.00

REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSIT	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
15	Trailer																			
	Structure's Demolition Cost	Mixture of type Building	020 604 0100	0.25	/CF	8	12	70								FT		6720	CF	1680.00
	Structure's Vol. Demolished																0.35	87	CY	
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost	City Services West Ridge	City Service WR	3.67	/CY													87	CY	319.00
	Steel's Weight																			
	Transport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			1999.00
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY											FT		0	CY	0.00
	Floor's Site Factor																			
	Floor's Rein. Factor																1.3	0	CY	0.00
	Floor's Volume (Dimolished)																			
	Floor's Transport Cost																	0	CY	0.00
	Floor's Disposal Fee																			
	Subtotal																			0.00
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			1999.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSIT	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
16	Water Tank																			
	Structure's Demolition Cost	Steel Building	020 604 0012	0.23	/CF						706					CF		706	CF	162.00
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost																			
	Steel's Weight																			
	Transport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			162.00
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY	0	0	0.5								FT		0	CY	0.00
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																1.3	0	CY	0.00
	Floor's Transport Cost																			
	Floor's Disposal Fee																	0	CY	0.00
	Subtotal																			0.00
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			162.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
17	Bathhouse 1																			
	Structure's Demo. Cost	Mixture of type Building	020 604 0100	0.25	/CF	14	65	8										7280	CF	1820.00
	Structure's Vol. Demolished																0.35	94	CY	
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost	City Services West Ridge	City Service WR	3.67	/CY													94	CY	345.00
	Steel's Weight																			
	Transport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			2165.00
	Equipment's Demolition Cost																			
	Dismatle Cost																			
	Transport Cost																			
	Disposal Cost																			
	Subtotal																			
	Floor's Demo. Cost	Concrete Demolition	AML	50	/CY											CY		0	CY	0.00
	Site Factor																			
	Reinforcement Factor																1.3	0	CY	0.00
	Volume (Dimolished)																			
	Transport Cost																	0	CY	0.00
	Disposal Fee																			
	Subtotal																			0.00
	Foundation's Demo. Cost																			
	Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Transport Cost																			
	Disposal Cost																			
	Subtotal																			
	Footer's Demo. Cost																			
	Site Factor																			
	Rein. Factor																			
	Volume (Dimolished)																			
	Transport Cost																			
	Disposal Cost																			
	Subtotal																			
	Total																			2165.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSIT	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
18	Bathhouse 2																			
	Structure's Demo. Cost	Mixture of type Building	020 604 0100	$0.25	/CF	12	50	8								FT		4800	/CF	1200.00
	Structure's Vol. Demolished																0.35	62	CY	
	Rubble's Weight (excl. steel)																			
	Transport Cost Non-Steel																			
	Disposal Cost Non-Steel	City Services West Ridge	City Service WR	3.67	/CY													62	CY	228.00
	Steel's Weight																			
	Transport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			1428.00
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY						1.5					CY		0	CY	0.00
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																1.3	0	CY	0.00
	Floor's Transport Cost																			
	Floor's Disposal Fee																	0	CY	0.00
	Subtotal																			0.00
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			1428.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
19	Trailer																			
	Structure's Demo. Cost	Mixture of type Building	020 604 0100	$0.25	/CF	12	42	8								FT		4032	CF	1008.00
	Structure's Vol. Demolished																0.35	52	CY	
	Rubble's Weight (excl. steel)																			
	Transport Cost Non-Steel																			
	Disposal Cost Non-Steel	City Services West Ridge	City Service WR	3.67	/CY													52	CY	191.00
	Steel's Weight																			
	Transport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			1199.00
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY						5.2					CY		0	CY	0.00
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																1.3	0	CY	0.00
	Floor's Transport Cost																			
	Floor's Disposal Fee																	0	CY	0.00
	Subtotal																			0.00
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			1199.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
20	Water Tanks 2																			
	Structure's Demo. Cost	Steel Building	020 604 0012	0.23	/CF						941					CF		1882	CF	433.00
	Structure's Vol. Demolished																0.35	24	CY	
	Rubble's Weight (excl. steel)																			
	Transport Cost Non-Steel																			
	Disposal Cost Non-Steel																			
	Steel's Weight																			
	Transport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			433.00
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY											CY		0	CY	0.00
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																1.3	0	CY	0.00
	Floor's Transport Cost																			
	Floor's Disposal Fee																	0	CY	0.00
	Subtotal																			0.00
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			433.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
21	Concrete 1																			
	Structure's Demo. Cost																			
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost Non-Steel																			
	Disposal Cost Non-Steel																			
	Steel's Weight																			
	Transport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY	14	65	0.5								FT		17	CY	850.00
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																1.3	22	CY	0.00
	Floor's Transport Cost																			
	Floor's Disposal Fee																	22	CY	0.00
	Subtotal																			850.00
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			850.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSIT	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
22	Concrete 2																			
	Structure's Demo. Cost																			
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost Non-Steel																			
	Disposal Cost Non-Steel																			
	Steel's Weight																			
	Transport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY	12	50	0.5								FT		11	CY	550.00
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																1.3	14	CY	
	Floor's Transport Cost																			
	Floor's Disposal Fee																	14	CY	0.00
	Subtotal																			550.00
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			550.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
23	Substation																			
	Structure's Demo. Cost	75 KVA	020 708 1520	283	Ea.													2	EA	566.00
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost Non-Steel																			
	Disposal Cost Non-Steel																			
	Steel's Weight																			
	Transport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			566.00
	Equipment's Demolition Cost	Chain Link 8' to 10' high	020 554 0700	2.5	/LF	328										FT		328	FT	820.00
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			820.00
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY											FT		0	CY	0.00
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																1.3	0	CY	0.00
	Floor's Transport Cost																			
	Floor's Disposal Fee																	0	CY	0.00
	Subtotal																			0.00
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			1386.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
24	Loadout																			
	Structure's Demo. Cost	Steel Building	020 604 0012	0.23	/CF	20	20	24								FT		9600	CF	2208.00
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost Non-Steel																			
	Disposal Cost Non-Steel																			
	Steel's Weight																			
	Transport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			2208.00
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY											FT		0	CY	0.00
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																1.3	0	CY	0.00
	Floor's Transport Cost																			
	Floor's Disposal Fee																	0	CY	0.00
	Subtotal																			0.00
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			2208.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
25	Concrete																			
	Structure's Demo. Cost																			
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost Non-Steel																			
	Disposal Cost Non-Steel																			
	Steel's Weight																			
	Transport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY	20	24	0.75								FT		13	CY	650.00
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																1.3	17	CY	0.00
	Floor's Transport Cost																			
	Floor's Disposal Fee																	17	CY	0.00
	Subtotal																			650.00
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			650.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSIT	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
26	Conveyor																			
	Structure's Demo. Cost	Steel Building	020 604 0012	0.23	/CF	4	4	200								FT		3200	3200	736.00
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost																			
	Steel's Weight																			
	Transport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			736.00
	Equipment's Demolition Cost																			
	Dismatle Cost																			
	Transport Cost																			
	Disposal Cost																			
	Subtotal																			
	Floor's Demo. Cost																			
	Site Factor																			
	Reinforcement Factor																			
	Volume (Dimolished)																			
	Transport Cost																			
	Disposal Fee																			
	Subtotal																			
	Foundation's Demo. Cost																			
	Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Transport Cost																			
	Disposal Cost																			
	Subtotal																			
	Footer's Demo. Cost																			
	Site Factor																			
	Rein. Factor																			
	Volume (Dimolished)																			
	Transport Cost																			
	Disposal Cost																			
	Subtotal																			
	Total																			736.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSIT	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
27	Reclaim																			
	Structure's Demolition Cost	Steel Building	020 604 0012	0.23	/CF	8	12	100								FT		9600	FT	2208.00
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost																			
	Steel's Weight																			
	Transport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			2208.00
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY											FT		0	CY	0.00
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																1.3	0	CY	0.00
	Floor's Transport Cost																			
	Floor's Disposal Fee																	0	CY	0.00
	Subtotal																			0.00
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			2208.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
28	Hopper																			
	Structure's Demolition Cost	Steel Building	020 604 0012	0.23	/CF	10	24	24								FT		5760	CF	1325.00
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost																			
	Steel's Weight																			
	Transport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			1325.00
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY											FT		0	CY	0.00
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																1.3	0	CY	0.00
	Floor's Transport Cost																			
	Floor's Disposal Fee																	0	CY	0.00
	Subtotal																			0.00
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			1325.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
29	Conveyor																			
	Structure's Demolition Cost	Steel Building	020 604 0012	0.23	/CF	4	5	185								FT		3700	CF	851.00
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost																			
	Steel's Weight																			
	Transport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			851.00
	Equipment's Demolition Cost																			
	Equipment's Volume																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY	4	5	0.5								FT		0	CY	0.00
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																1.3	0	CY	0.00
	Floor's Transport Cost																			
	Floor's Disposal Fee																	0	CY	0.00
	Subtotal																			0.00
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			851.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSIT	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
30	Tunnel																			
	Structure's Demolition Cost	Steel Building	020 604 0012	0.23	/CF	8	12	90								FT		8640	CY	1987.00
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost																			
	Steel's Weight																			
	Transport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			1987.00
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY											FT		0	CY	0.00
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																1.3	0	CY	0.00
	Floor's Transport Cost																			
	Floor's Disposal Fee																	0	CY	0.00
	Subtotal																			0.00
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			1987.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSIT	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
31	Water Tank																			
	Structure's Demolition Cost	Steel Building	020 604 0012	0.23	/CF						1412					FT		1412	CF	325.00
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost																			
	Steel's Weight																			
	Transport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			325.00
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
																FT		0	CY	0.00
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY															
	Floor's Site Factor																			
	Floor's Rein. Factor																1.3	0	CY	0.00
	Floor's Volume (Dimolished)																			
	Floor's Transport Cost																	0	CY	0.00
	Floor's Disposal Fee																			0.00
	Subtotal																			
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			325.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
34	Trailer																			
	Structure's Demolition Cost	Mixture of type Building	020 604 0100	$0.25	/CF	10	50	8								FT		4000	CF	1000.00
	Structure's Vol. Demolished																0.35	52.0	CY	
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost	City Services West Ridge	City Service WR	3.67	/CY													52.0	CY	191.00
	Steel's Weight																			
	Transport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			1191.00
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY						0.7					CY		0	CY	0.00
	Floor's Site Factor																			
	Floor's Rein. Factor																1.3	0	CY	0.00
	Floor's Volume (Dimolished)																			
	Floor's Transport Cost																	0	CY	0.00
	Floor's Disposal Fee																			0.00
	Subtotal																			
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			1191.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
35	Trailer																			
	Structure's Demolition Cost	Mixture of type Building	020 604 0100	$0.25	/CF	10	40	8								FT		3200	CF	800.00
	Structure's Vol. Demolished																0.35	41.0	CY	
	Rubble's Weight (excl. steel)																			
	Transport Cost																	41.0	CY	150.00
	Disposal Cost	City Services West Ridge	City Service WR	3.67	/CY															
	Steel's Weight																			
	Transport Cost Steel																			
	Disposal Cost Steel																			950.00
	Subtotal																			
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY											CY		0	CY	0.00
	Floor's Site Factor																			
	Floor's Rein. Factor																1.3	0	CY	0.00
	Floor's Volume (Dimolished)																			
	Floor's Transport Cost																	0	CY	0.00
	Floor's Disposal Fee																			0.00
	Subtotal																			
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			950.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
36	Portal																			
	Structure's Demo. Cost	Steel Building	020 604 0012	0.23	/CF	20	20	8						4		FT		12800	CF	2944.00
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost																			
	Steel's Weight																			
	Transport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			2944.00
	Equipment's Demolition Cost	Seal Portal	AML1	5000	EA													4	EA	20000.00
	Dismatle Cost																			
	Transport Cost																			
	Disposal Cost																			
	Subtotal																			20000.00
	Floor's Demo. Cost																			
	Site Factor																			
	Reinforcement Factor																			
	Volume (Dimolished)																			
	Transport Cost																			
	Disposal Fee																			
	Subtotal																			
	Foundation's Demo. Cost																			
	Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Transport Cost																			
	Disposal Cost																			
	Subtotal																			
	Footer's Demo. Cost																			
	Site Factor																			
	Rein. Factor																			
	Volume (Dimolished)																			
	Transport Cost																			
	Disposal Cost																			
	Subtotal																			
	Total																			22944.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSIT	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
37	Office																			
	Structure's Demolition Cost	Mixture of type Building	020 604 0100	0.25	/CF	24	42	8								FT		8064	CF	2016.00
	Structure's Vol. Demolished																0.35	105	CY	
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost	City Services West Ridge	City Service WR	3.67	/CY													105	CY	385.00
	Steel's Weight																			
	Transport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			2401.00
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost																			
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																			
	Floor's Transport Cost																			
	Floor's Disposal Fee																			
	Subtotal																			
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			2401.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
38	Concrete																			
	Structure's Demolition Cost																			
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost																			
	Steel's Weight																			
	Tranport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY	24	42	0.5								FT		19	CY	950.00
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																1.3	25	CY	0.00
	Floor's Transport Cost																			
	Floor's Disposal Fee																	25	CY	0.00
	Subtotal																			950.00
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			950.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSIT	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
39	Portal Structures																			
	Structure's Demolition Cost	Steel Building	020 604 0012	0.23	/CF	20	20	7						3		FT		8400	CF	1932.00
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost																			
	Steel's Weight																			
	Tranport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			1932.00
	Equipment's Demolition Cost	Seal Portal	AML1	5000	EA									3		EA		3	EA	15000.00
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			15000.00
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY											CY		0	CY	0.00
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																1.3	0	CY	0.00
	Floor's Transport Cost																			
	Floor's Disposal Fee																	0	CY	0.00
	Subtotal																			0.00
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			16932.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
40	ShopWarehouse																			
	Structure's Demo. Cost	Mixture of type Building	Mixture of type B	$0.25	/CF	150	60	18								FT		162000	CF	40500.00
	Structure's Vol. Demolished																0.35	2100	CY	
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost	City Services West Ridge	City Service WR	3.67	/CY													2100	CY	7707.00
	Steel's Weight																			
	Tranport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			48207.00
	Equipment's Demolition Cost																			
	Dismatle Cost																			
	Transport Cost																			
	Disposal Cost																			
	Subtotal																			
	Floor's Demo. Cost	Concrete Demolition	AML	50	/CY	150	60	1								FT		333	CY	16650.00
	Site Factor																			
	Reinforcement Factor																			
	Volume (Dimolished)																1.3	433	CY	0.00
	Transport Cost																			
	Disposal Fee																	433	CY	0.00
	Subtotal																			16650.00
	Foundation's Demo. Cost																			
	Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Transport Cost																			
	Disposal Cost																			
	Subtotal																			
	Footer's Demo. Cost																			
	Site Factor																			
	Rein. Factor																			
	Volume (Dimolished)																			
	Transport Cost																			
	Disposal Cost																			
	Subtotal																			
	Total																			64857.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
41	Loadout																			
	Structure's Demolition Cost	Steel Building	020 604 0012	0.23	/CF	20	20	18								FT		7200	CF	1656.00
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost																			
	Steel's Weight																			
	Tranport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			1656.00
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY	20	20	0.75								FT		11	CY	550.00
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																1.3	14	CY	0.00
	Floor's Transport Cost																			
	Floor's Disposal Fee																	14	CY	0.00
	Subtotal																			550.00
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			2206.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
42	Conveyor																			
	Structure's Demo. Cost	Steel Building	020 604 0012	0.23	/CF	4	4	350								FT		5600	CF	1288.00
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost																			
	Steel's Weight																			
	Tranport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			1288.00
	Equipment's Demolition Cost																			
	Dismatle Cost																			
	Transport Cost																			
	Disposal Cost																			
	Subtotal																			
	Floor's Demo. Cost	Concrete Demolition	AML	50	/CY											CY		0	CY	0.00
	Site Factor																			
	Reinforcement Factor																			
	Volume (Dimolished)																1.3	0	CY	0.00
	Transport Cost																			
	Disposal Fee																	0	CY	0.00
	Subtotal																			0.00
	Foundation's Demo. Cost																			
	Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Transport Cost																			
	Disposal Cost																			
	Subtotal																			
	Footer's Demo. Cost																			
	Site Factor																			
	Rein. Factor																			
	Volume (Dimolished)																			
	Transport Cost																			
	Disposal Cost																			
	Subtotal																			
	Total																			1288.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSIT	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
43	Reclaim																			
	Structure's Demolition Cost	Steel Building	020 604 0012	0.23	/CF	8	12	170								FT		16320	CF	3754.00
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost																			
	Steel's Weight																			
	Tranport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			3754.00
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY											FT		0	CY	0.00
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																1.3	0	CY	0.00
	Floor's Transport Cost																			
	Floor's Disposal Fee																	0	CY	0.00
	Subtotal																			0.00
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			3754.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
44	Hopper																			
	Structure's Demolition Cost	Steel Building	020 604 0012	0.23	/CF	24	24	16								FT		9216	CF	2120.00
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost																			
	Steel's Weight																			
	Tranport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			2120.00
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY											FT		0	CY	0.00
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																1.3	0	CY	0.00
	Floor's Transport Cost																			
	Floor's Disposal Fee																	0	CY	0.00
	Subtotal																			0.00
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			2120.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
45	Conveyor																			
	Structure's Demolition Cost	Steel Building	020 604 0012	0.23	/CF	5	4	250								FT		5000	CF	1150.00
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost																			
	Steel's Weight																			
	Tranport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			1150.00
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY											FT		0	CY	0.00
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																1.3	0	CY	0.00
	Floor's Transport Cost																			
	Floor's Disposal Fee																	0	CY	0.00
	Subtotal																			0.00
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			1150.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
46	Tunnel																			
	Structure's Demolition Cost	Steel Building	020 604 0012	0.23	/CF	8	12	125								FT		12000	CF	2760.00
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost																			
	Steel's Weight																			
	Tranport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			2760.00
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY											FT		0	CY	0.00
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																1.3	0	CY	0.00
	Floor's Transport Cost																			
	Floor's Disposal Fee																	0	CY	0.00
	Subtotal																			0.00
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			2760.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
47	Portals																			
	Structure's Demolition Cost	Steel Building	020 604 0012	0.23	/CF	20	20	6						4		FT		9600	CF	2208.00
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost																			
	Steel's Weight																			
	Tranport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			2208.00
	Equipment's Demolition Cost	Seal Portal	AML1	5000	EA									4		EA		4	EA	20000.00
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			20000.00
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY											FT		0	CY	0.00
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																1.3	0	CY	0.00
	Floor's Transport Cost																			
	Floor's Disposal Fee																	0	CY	0.00
	Subtotal																			0.00
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			22208.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
48	Water Tank																			
	Structure's Demolition Cost	Steel Building	020 604 0012	0.23	/CF						941					CF		941	CF	216.00
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost																			
	Steel's Weight																			
	Tranport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			216.00
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY											FT		0	CY	0.00
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																1.3	0	CY	0.00
	Floor's Transport Cost																			
	Floor's Disposal Fee																	0	CY	0.00
	Subtotal																			0.00
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			36551.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
49	Shed																			
	Structure's Demolition Cost	Steel Building	020 604 0012	0.23	/CF	10	50	8								FT		4000	CF	920.00
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost																			
	Steel's Weight																			
	Tranport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			920.00
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost																			
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																			
	Floor's Transport Cost																			
	Floor's Disposal Fee																			
	Subtotal																			
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			920.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
50	Magazines																			
	Structure's Demolition Cost	Steel Building	020 604 0012	0.23	/CF	4	4	6						2		FT		192	CF	44.00
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost																			
	Steel's Weight																			
	Tranport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			44.00
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost																			
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																			
	Floor's Transport Cost																			
	Floor's Disposal Fee																			
	Subtotal																			
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			44.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSIT	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
51	Substation																			
	Structure's Demolition Cost	Chain Link 8' to 10' high	020 554 0700	2.5	/LF	105										FT		105	FT	263.00
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost																			
	Steel's Weight																			
	Tranport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			263.00
	Equipment's Demolition Cost	75 KVA	020 708 1520	283	Ea.									2		EA		2	EA	566.00
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			566.00
	Floor's Demolition Cost																			
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																			
	Floor's Transport Cost																			
	Floor's Disposal Fee																			
	Subtotal																			
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			829.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
52	Office																			
	Structure's Demolition Cost	Mixture of type Building	020 604 0100	0.25	/CF	25	40	8								FT		8000	CF	2000.00
	Structure's Vol. Demolished																0.35	104	CY	
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost	City Services West Ridge	City Service WR	3.67	/CY													104	CY	382.00
	Steel's Weight																			
	Tranport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			2382.00
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost	Concrete Demolition	AML	50	/CY	25	40	0.5								FT		19	CY	950.00
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																1.3	25	CY	
	Floor's Transport Cost																			
	Floor's Disposal Fee																	25	CY	0.00
	Subtotal																			950.00
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			3332.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
53	Fan																			
	Structure's Demolition Cost	Steel Building	020 604 0012	0.23	/CF	20	25	8								FT		4000	CF	920.00
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost																			
	Steel's Weight																			
	Tranport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			920.00
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost																			
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																			
	Floor's Transport Cost																			
	Floor's Disposal Fee																			
	Subtotal																			
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			920.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
54	Portals																			
	Structure's Demolition Cost	Steel Building	020 604 0012	0.23	/CF	20	20	8						2		FT		6400	CF	1472.00
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost																			
	Steel's Weight																			
	Tranport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			1472.00
	Equipment's Demolition Cost	Seal Portal	AML1	5000	EA									2		FT		2	EA	10000.00
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			10000.00
	Floor's Demolition Cost																			
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																			
	Floor's Transport Cost																			
	Floor's Disposal Fee																			
	Subtotal																			
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			11472.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSIT	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
55	Culverts																			
	12" culverts	1 C.Y cap.	022 238 0200	2.08	/CY	260	2	2								FT		39	CY	$81
	18" culverts	1 C.Y cap.	022 238 0200	2.08	/CY	1340	3	3								FT		447	CY	$930
	24" culvert	1 C.Y cap.	022 238 0200	2.08	/CY	330	4	4								FT		196	CY	$408
	36" culvert	1 C.Y cap.	022 238 0200	2.08	/CY	1885	6	6								FT		2513	CY	$5,227
	42" culvert	1 C.Y cap.	022 238 0200	2.08	/CY	2950	7	7								FT		5354	CY	$11,136
	Subtotal																			$17,782
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost																			
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																			
	Floor's Transport Cost																			
	Floor's Disposal Fee								7											
	Subtotal																			
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			$17,782

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOLUME	WEIGHT	DENSITY	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
56	Power Poles																			
	Structure's Demolition Cost	Powerpole	Hiawathab1	100	EA									35		EA		35	EA	3500.00
	Structure's Vol. Demolished																			
	Rubble's Weight (excl. steel)																			
	Transport Cost																			
	Disposal Cost																			
	Steel's Weight																			
	Tranport Cost Steel																			
	Disposal Cost Steel																			
	Subtotal																			3500.00
	Equipment's Demolition Cost																			
	Equipment's Dismatle Cost																			
	Equipment's Transport Cost																			
	Equipment's Disposal Cost																			
	Subtotal																			
	Floor's Demolition Cost																			
	Floor's Site Factor																			
	Floor's Rein. Factor																			
	Floor's Volume (Dimolished)																			
	Floor's Transport Cost																			
	Floor's Disposal Fee																			
	Subtotal																			
	Foundation's Demolition Cost																			
	Foundation's Site Factor																			
	Horizontal Rein. Factor																			
	Vertical Rein. Factor																			
	Volume (Dimolished)																			
	Foundation's Transport Cost																			
	Foundation's Disposal Cost																			
	Subtotal																			
	Footer's Demolition Cost																			
	Footer's Site Factor																			
	Footer's Rein. Factor																			
	Footer's Volume (Dimolished)																			
	Footer's Transport Cost																			
	Footer's Disposal Cost																			
	Subtotal																			
	Total																			3500.00

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOL.	WEIGHT	DEN.	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
	Aberdeen Mine																			
01	Loadout Bin																			$1,840
02	Concrete																			$800
03	Reclaim																			$3,312
04	Conveyor																			$920
05	Hopper																			$1,380
06	Conveyor																			$1,495
07	Tunnel																			$1,987
08	Fan																			$736
09	Sub Transformers																			$566
10	Substation Fence																			$260
11	Water Tank																			$216
12	Portal Sturctures																			$12,944
	Subtotal																			[illegible]
	Main Office																			
13	Main Office																			$9,141
14	Concrete																			$2,350
15	Trailer																			$1,999
16	Water Tank																			$162
	Subtotal																			[illegible]
	Bath House																			
17	Bathhouse 1																			$2,165
18	Bathhouse 2																			$1,428
19	Trailer																			$1,199
20	Water Tanks 2																			$433
21	Concrete 1																			$850
22	Concrete 2																			$550
	Subtotal																			[illegible]
	Upper Pinnacle																			
23	Substation																			$1,386
24	Loadout																			$2,208
25	Concrete																			$650
26	Conveyor																			$736
27	Reclaim																			$2,208
28	Hopper																			$1,325
29	Conveyor																			$851
30	Tunnel																			$1,987
31	Water Tank																			$325
32	Rock Dust Bin																			$361
33	Trailer																			$1,309
34	Trailer																			$1,191
35	Trailer																			$950
36	Portal																			$22,944
	Subtotal																			[illegible]
	Lower Pinnacle																			
37	Office																			$2,401
38	Concrete																			$950
39	Portal Structures																			$16,932
	Subtotal																			[illegible]
	Shop Warehouse																			
40	ShopWarehouse																			$64,857
	Subtotal																			[illegible]
	Apex																			
41	Loadout																			$2,206
42	Conveyor																			$1,288
43	Reclaim																			$3,754
44	Hopper																			$2,120
45	Conveyor																			$1,150
46	Tunnel																			$2,760
47	Portals																			$22,208
48	Water Tank																			$36,551
49	Shed																			$920
50	Magazines																			$44
51	Substation																			$829
52	Office																			$3,332
	Subtotal																			[illegible]

	Left Fork																			
53	Fan																			$920
54	Portals																			11472
55	Culverts																			17782
56	Power Poles																			3500
	Subtotal																			$33674
	Total Means Reference																			$281,140

MAP REF.	DESCRIPTION	MATERIALS		UNIT COST	UNIT	LENGHT	WIDTH	HEIGHT	DIA.	AREA	VOL.	WEIGHT	DEN.	#	TIME	UNIT	SWELL FACTOR	QUANTITY	UNIT	COST
	Vegetation																			
	Ground Preparations	75 HP Dozerw/scarifiers	029 204 3100	3.34	MSF					34.2						AC		1490	MSF	4977.00
	Fertilizer	Water Soluable, hydro sp	029 720 0180	2.19	MSF					34.2						AC		1490	MSF	3263.00
	Seeding	Clover .67lb/MSF Hydros	029 308 1700	37.5	MSF					34.2						AC		1490	MSF	55875.00
	Mulch	Hay, 1" deep, power mul	029 516 0350	22.5	MSF					34.2						AC		1490	MSF	33525.00
	Subtotal																			97640.00
	Resseding	25% of Vegetation Cost																		24410.00
	Subtotal																			
	Subtotal																			
	Total																			109845.00

Total Reclamation Costs Centennial Project

Demolition Costs	$281,140
Earthwork Costs	$0
Revegetation	$109,845
Total Direct Costs	$390,985
Indirect Costs	
Maintenance and Monitoring (10%)	$39,099
Contingency (10%)	$39,099
Engineering Redesign (10%)	$39,099
Startup Includes Mob/Demob (5%)	$19,549
Contract Management (5%)	$19,549
Total Indirect Costs	$156,395
Reclamation Costs	$547,380
Inflation @ 3.27% for 5 years	$95,544
Bond Amount in 2004 dollars	$642,924
Bond Rounded to nearest $1,000	$643,000