Bonding Calculations

Direct Costs		
Subtotal Demolition and Removal	$205,764.00	
Subtotal Backfilling and Grading	$843,656.00	
Subtotal Revegetation	$510,251.00	
Direct Costs	$1,559,671.00	
Indirect Costs		
Mob/Demob	$155,967.00	10.0%
Contingency	$77,984.00	5.0%
Engineering Redesign	$38,992.00	2.5%
Main Office Expense	$106,058.00	6.8%
Project Mainagement Fee	$38,992.00	2.5%
Subtotal Indirect Costs	$417,993.00	26.8%
Total Cost	$1,977,664.00	
Escalation factor		0.012
Number of years		5
Escalation	$121,542.00	
Reclamation Cost Escalated	$2,099,206.00	
Bond Amount (rounded to nearest $1,000) 2009 Dollars	$2,099,000.00	
Bond Posted 2004 dollars	$2,208,000.00	
Difference Between Cost Estimate and Bond	$109,000.00	
Percent Difference	5.19%	

File in:
☐ Confidential
☐ Shelf
☒ Expandable
Refer to Record No 0042 Date 4/19/07
In C/015/015, 2007, Incoming
For additional information

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Oil Storage Building																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.2	/CF	60	18	8								FT		8640	CF	1728
	Structure's Vol. Demolished																0.3	96	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck	Truck dump 16 ton payload	01590 200 5300	435.96	/day									2		day		2	Day	872
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			2600
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	3.97	/CY	60	18	0.33								CY		13	CY	52
	Concrete's Vol. Demolished																1.3	17	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.39	/CY													17	CY	24
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	02315 490 0320	3.44	/CY													17	CY	58
	Disposal Costs	On site disposal	02220 240 5550	7.6	/CY													17	CY	129
	Subtotal																			263
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			2863

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Recessed Feeder																			
	Structure's Demolition Cost																			
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	3.97	/CY															
	Concrete's Vol. Demolished										10					CY		10	CY	40
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.39	/CY												1.3	13	CY	
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	02315 490 0320	3.44	/CY													13	CY	18
	Disposal Costs	On site disposal	02220 240 5550	7.6	/CY													13	CY	45
	Subtotal																	13	CY	99
																				202
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			202

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Trash Pit																			
	Structure's Demolition Cost																			
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	3.97	/CY						30					CY		30	CY	119
	Concrete's Vol. Demolished																1.3	39	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.39	/CY													39	CY	54
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	02315 490 0320	3.44	/CY													39	CY	134
	Disposal Costs	On site disposal	02220 240 5550	7.6	/CY													39	CY	296
	Subtotal																			603
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			603

Cattle Guard

Map Code: Identified on Map II-3
Status: Existing 4th quarter of 2003

Used to assist in collecting solids which may dislodge from truck tires under both overly wet and dry conditions. This collection sump makes it less likely for solids to be re-entrained.

Oil Storage

Map Code: Identified on Map II-3
Status: Proposed – 4th Quarter of 2006

This steel building, with a concrete floor, is used to store oil products out of the weather, thereby minimizing the potential for site contamination by the stored products.

Recessed Feeder

Map Code: Identified on Map II-3
Status: Proposed – 4th Quarter of 2006

This is a concrete wall placed around the feeder at the bottom of the 10,000 ton coal stockpile, used to funnel coal to the feeder.

Trash Pit

Map Code: Identified on Map II-3
Status: Proposed – 4th Quarter of 2006

The trash pit consists of a concrete floor with moveable concrete side barriers and is used as a temporary storage location for trash generated at the site.

Inserted 9/2003
Revised 10/2006