12	Name	1: T.A.I	Cultantal	Community				T				
Line	Name	Line Total	Subtotal	Comments								
1	Mobilization/Demobilization	\$8,981.28	\$8,981.28									
1a	Mobilization or demobilization, delivery charge for equipment, hauled on 3-ton capacity	\$1,283.04										'
	towed trailer											
1b	Mobilization or demobilization, each additional 5 miles haul distance, add	\$7,698.24										<del></del> '
2	Site Prep/BMPs	\$34,471.95	\$43,453.23									
2a	Clearing & grubbing, cut & chip light trees, to 6" diameter	\$23,746.95										
2b	Biodegradable Log, straw in polymeric netting, 9" diam	\$5,070.00										
2c	Compost or Mulch Filter Sock, 9" diam	\$5,655.00										
3	Water Use	\$112,394.16	\$155,847.39									
3a	If applicable, Compaction, water for, 3,000 gallon truck, 12 mile haul	\$112,394.16										
4	Ore chute and Hopper Decomissioning	\$563.85	\$156,411.24									
4a	Selective metals demolition, structural framing members, up to 500 lb, remove whole or cut up into smaller pieces, incl loading, excl shoring, bracing, cutting, hauling, dumping	\$563.85										
5	Push Rad Soil to Stockpile	\$40,772.16	\$197,183.40									
5a	Topsoil stripping and stockpiling, topsoil, sandy loam, ideal conditions, 200 HP dozer	\$40,772.16										
6	Wheel Loader Rad Soil into Shaft	\$16,193.94	\$213,377.34									
6a	Structural steel beam or girder, 100-ton project, 1 to 2 story building, W8x10, A992 steel,											
	shop fabricated, incl shop primer, bolted connections	\$1,214.40										
6b	Structural steel beam or girder, 100-ton project, 1 to 2 story building, W6x9, A992 steel,	\$607.20										
6	shop fabricated, incl shop primer, bolted connections	42.224.22										+
6c	Steel plate, 1/2" T, warehouse price, no shop fabrication, welded in place	\$2,291.20										+
6d	Structural concrete, in place, column (4000 psi), square, up to 1% reinforcing by area, 16" x 16", includes forms(4 uses), Grade 60 rebar, concrete (Portland cement Type I), placing and finishing	\$11,987.55										
6e	Fill, from stockpile, 130 HP, 2-1/2 C.Y., 300' haul, spread fill, with front-end loader, excludes compaction	\$93.59										
7	Wheel Loader Rad Soil to Consolidation Area	\$141,120.02	\$354,497.36									
7a	Excavating, bulk bank measure, 1-1/2 C.Y. capacity = 80 C.Y./hour, wheel mounted, excluding truck loading	\$9,720.00		Shaft								
7b	Excavating, bulk bank measure, 1-1/2 C.Y. capacity = 80 C.Y./hour, wheel mounted, excluding truck loading	\$82,017.36		Waste Consolidation Area								
7c	Topsoil stripping and stockpiling, topsoil, sandy loam, ideal conditions, 200 HP dozer	\$6,599.88		Stockpile for Cover								
7d	Fill, from stockpile, 130 HP, 2-1/2 C.Y., 300' haul, spread fill, with front-end loader,	\$30,823.88		Cover Placement								
70	excludes compaction	¢11 050 00		Commonstices both before and often		+		+				+
/e	Compaction, 2 passes, 6" lifts, towed sheepsfoot or wobbly wheel roller	\$11,958.90	6256 754 26	Compaction both before and after		_						
8	Rad Survey	\$2,254.00	\$356,751.36									
8a	GPS	\$1,861.50			294	per day	790.5	per week	1861.5	per month		
86	Rad Meter	\$392.50	<u> </u>		53	per day	141	per week	392.5	per month		
9	Site Restoration	\$41,164.09	\$397,915.45									
9a	Rough grading sites, open, 75,100-100,000 S.F., grader	\$22,299.76										
9b	Seeding athletic fields, seeding utility mix, 7 lb. per M.S.F., tractor spreader	\$15,333.73										
9c	Wire fencing & gates, wire fencing general, barbless wire, 2-strand galvanized, 12-1/2 ga.	\$3,530.60										
10	Lodging and Per Diem	\$15,148.77	\$413,064.22		3	workers	30	days	107	lodging	59	per diem
10a	Lodging	\$9,630.00			77.9	miles	0.67	per diem	2	vehicles	2	mob/demob
10b	Per diem	\$5,310.00										
10c	Mobilization	\$208.77										
11	Reporting	\$99,265.34	\$512,329.56									
11a	Construction Completion Report	,	, ,==3.50									
11b*	Environmental Consultant and Reclamation Completion Report	\$99,265.34		Included in HSG Fee								
12	Subtotal Cost	Ç55,205.54	\$512,329.56									
13	Bonding (3%)	\$15,369.89	7512,329.30									
14	Construction Quality Management	\$0.00		Equals labor for one engineer for the	1	workers	160	hours	140	rate		
15	Contangency (100/)	¢E4 222 00		length of the project								
15	Contengency (10%)	\$51,232.96	4=== ===									
l		<b>Total</b>	\$578,932.41	<u>.</u>								

References

Cost References: "Gordian." n.d. Login.gordian.com. April 29, 2024. https://www.rsmeansonline.com/ManageEstimate/LineItemSearch/2496344.

Labor References: Industry Standard Rates

Travel Costs: Based on GSA rates

Rad Survey Costs: Engineering estimates based on industry rates

<u>Notes</u>

\* - HSG Fee

-30 \$405,252.68 50 \$ 868,398.61