



MDA-G Feasibility Study Update

Project WBS	Activity Description	Takeoff Quantity - Adjusted	Unit	Total Unit Price	Labor Hours	Labor Total - Gross	Material Total - Gross	Equip Total - Gross	Subs Total - Gross	Other Total - Gross	Gross Total Costs
1.MDAG3X.1.04.01	Dozer D9 rental	16.0	MNTH	29,404.00				805,020.02			805,020
1.MDAG3X.1.04.01	Dozer D9 Scheduled Maintenance	1.2	YR	7,253.69						14,894.31	14,894
1.MDAG3X.1.04.01	Dozer D9 Ripper replacement	3.0	SET	647.69	22.6	1,771.48				1,553.35	3,325
1.MDAG3X.1.04.01	Dozer cutting edge replacement	8.0	EA	1,290.19	120.3	9,447.92	8,213.37				17,661
1.MDAG3X.1.04.01	980, 7 cy frontend loader rental	16.0	MNTH	16,734.00				458,141.92			458,142
1.MDAG3X.1.04.01	980 Loader: Scheduled Maintenance	1.2	YR	5,865.19						12,043.25	12,043
1.MDAG3X.1.04.01	980-7cy loader bucket teeth replacement.	8.0	EA	1,177.09	60.2	4,723.96	11,389.21				16,113
1.MDAG3X.1.04.01	825H High speed compactor (sheepsfoot) rental	16.0	MNTH	10,585.00				289,795.16			289,795
1.MDAG3X.1.04.01	825H: Scheduled Maintenance	1.2	YR	5,944.56						12,206.22	12,206
1.MDAG3X.1.04.01	963 Hydraulic Excavator rental	16.0	MNTH	18,640.00				510,324.21			510,324
1.MDAG3X.1.04.01	963 Hydraulic Excavator : Scheduled Maintenance	1.2	YR	7,349.52						15,091.09	15,091
1.MDAG3X.1.04.01	963 Hydraulic Excavator tip long replacement.	11.0	EA	773.08							14,551
1.MDAG3X.1.04.01	Water wagon 1,000 gal tuff processing	7,308.0	CY	0.91	181.4	11,328.53	8,055.76				11,329
1.MDAG3X.1.04.01	Equipment only. Water wagon 1,000 gal tuff processing	7,308.0	CY	0.26				3,301.28			3,301
1.MDAG3X.1.04.01	Rock crusher plant rental	16.0	MNTH	28,000.00				766,581.43			766,581
1.MDAG3X.1.04.01	Rock crusher plant : Scheduled Maintenance	11.0	EA	4,000.00						75,289.25	75,289
1.MDAG3X.1.04.01	Screening plant rental	16.0	MNTH	15,500.00				424,357.58			424,358
1.MDAG3X.1.04.01	Screening plant : Scheduled Maintenance	11.0	EA	2,400.00						45,173.55	45,174
1.MDAG3X.1.04.01	Excavating, 3/8 C.Y. excavator, 1' to 4' deep, excludes sheeting or dewatering	75,110.0	CY	48.09	65,034.5	5,556,982.99		623,754.20			6,180,737
1.MDAG3X.1.04.01	Excavating, by hand with pick and shovel, 2' to 6' deep, light soil, excludes sheeting or dewatering	2,103.0	CY	173.65	7,313.1	624,883.34					624,883
1.MDAG3X.1.04.01	Dozer D9 rip tuff material for processing	73,008.0	CY	2.33	3,714.0	291,639.02					291,639
1.MDAG3X.1.04.01	980 Frontend loader soil processing	73,008.0	CY	2.33	3,714.0	291,639.02					291,639
1.MDAG3X.1.04.01	825H High speed compactor (sheepsfoot) soil processing	73,008.0	CY	1.24	1,972.1	154,852.58					154,853
1.MDAG3X.1.04.01	963 Hydraulic Excavator soil processing	73,008.0	CY	1.24	1,972.1	154,852.58					154,853
<b>1.MDAG3X.1.04.01</b>	<b>Total</b>				<b>84,187.0</b>	<b>7,108,616.87</b>	<b>27,658.34</b>	<b>3,881,275.79</b>		<b>176,251.02</b>	<b>11,193,802</b>
<b>1.MDAG3X.1.04.03</b>	<b>Excavation -DC- Excavation Shaft 1 - Backfill</b>										
1.MDAG3X.1.04.03	Borrow, fill material only.	1,788.0	ton	16.50			50,481.44				50,481
1.MDAG3X.1.04.03	Fill, from stockpile, 300 H.P. dozer, 2-1/2 C.Y., 300' haul, spread fill, with front-end loader, excludes compaction	75,110.0	CY	6.39	5,624.5	480,598.21		340,583.75			821,182
1.MDAG3X.1.04.03	Backfill, structural, common earth, 80 H.P. dozer, 300' haul	75,110.0	CY	8.14	10,252.3	876,027.11		169,664.81			1,045,692
1.MDAG3X.1.04.03	Water wagon 1,000 gal tuff processing	75,110.0	CY	0.91	1,863.9	116,432.08					116,432
1.MDAG3X.1.04.03	Equipment only. Water wagon 1,000 gal tuff processing	75,110.0	CY	0.26				33,929.85			33,930
1.MDAG3X.1.04.03	Compaction, 2 passes, 6" lifts, riding, sheepsfoot or wobbly wheel roller	75,110.0	CY	1.40	1,423.9	112,520.90		66,833.68			179,355
<b>1.MDAG3X.1.04.03</b>	<b>Total</b>				<b>19,164.7</b>	<b>1,585,578.31</b>	<b>50,481.44</b>	<b>611,012.08</b>			<b>2,247,072</b>
<b>1.MDAG3X.1.04.04</b>	<b>Excavation -DC- Excavation Shaft 1 - Disposal of Waste</b>										
1.MDAG3X.1.04.04	MLLW - Waste container delivery.	32.0	ea	1,453.61	962.6	63,802.03		15,791.57			79,594
1.MDAG3X.1.04.04	MLLW - Waste container unload on site and handling during project.	631.0	ea	4,607.32	56,941.5	4,499,522.70		475,075.62			4,974,598
1.MDAG3X.1.04.04	MLLW - Waste containers.	631.0	ea	2,018.34			2,179,234.51				2,179,235
1.MDAG3X.1.04.04	MLLW - Fill waste containers.	631.0	ea	549.81	7,117.6	562,435.25		31,203.55			593,639
1.MDAG3X.1.04.04	MLLW - Waste, ship off site. Packaging, Handling, Shipping and Disposal fees.	2,103.0	cy	1,114.00					4,008,710.98		4,008,711
1.MDAG3X.1.04.04	MLLW - Trucking cost per 43,000 pound load	127.0	Trip	4,471.00						971,602.61	971,603
1.MDAG3X.1.04.04	Confirmatory Sampling	17.0	EA	3,798.14	63.9	7,857.48		10.54		102,616.20	110,484
<b>1.MDAG3X.1.04.04</b>	<b>Total</b>				<b>65,085.6</b>	<b>5,133,617.46</b>	<b>2,179,234.51</b>	<b>522,081.28</b>	<b>4,111,327.18</b>	<b>971,602.61</b>	<b>12,917,863</b>
<b>1.MDAG3X.1.04.05</b>	<b>Excavation -DC- Excavation Shaft 2 - Excavation</b>										
1.MDAG3X.1.04.05	Dozer D9 rental	3.0	MNTH	29,404.00				150,941.25			150,941
1.MDAG3X.1.04.05	Dozer D9 Scheduled Maintenance	0.3	YR	7,253.69						3,102.98	3,103
1.MDAG3X.1.04.05	Dozer D9 Ripper replacement	1.0	SET	647.69	7.5	590.49				517.78	1,108
1.MDAG3X.1.04.05	Dozer cutting edge replacement	1.0	EA	1,290.19	15.0	1,180.99	1,026.67				2,208
1.MDAG3X.1.04.05	980, 7 cy frontend loader rental	3.0	MNTH	16,734.00				85,901.61			85,902
1.MDAG3X.1.04.05	980 Loader: Scheduled Maintenance	0.3	YR	5,865.19						2,509.01	2,509
1.MDAG3X.1.04.05	980-7cy loader bucket teeth replacement.	2.0	EA	1,177.09	15.0	1,180.99	2,847.30				4,028
1.MDAG3X.1.04.05	825H High speed compactor (sheepsfoot) rental	3.0	MNTH	10,585.00				54,336.59			54,337
1.MDAG3X.1.04.05	825H: Scheduled Maintenance	0.3	YR	5,944.56						2,542.96	2,543
1.MDAG3X.1.04.05	963 Hydraulic Excavator rental	3.0	MNTH	18,640.00				95,685.79			95,686
1.MDAG3X.1.04.05	963 Hydraulic Excavator : Scheduled Maintenance	0.3	YR	7,349.52						3,143.98	3,144
1.MDAG3X.1.04.05	963 Hydraulic Excavator tip long replacement.	2.0	EA	773.08							2,646
1.MDAG3X.1.04.05	Water wagon 1,000 gal tuff processing	11,849.0	CY	0.91	294.0	18,367.78	1,464.68				18,368
1.MDAG3X.1.04.05	Equipment only. Water wagon 1,000 gal tuff processing	11,849.0	CY	0.26				5,352.61			5,353
1.MDAG3X.1.04.05	Rock crusher plant rental	3.0	MNTH	28,000.00				143,734.02			143,734
1.MDAG3X.1.04.05	Rock crusher plant : Scheduled Maintenance	2.0	EA	4,000.00						13,688.95	13,689
1.MDAG3X.1.04.05	Screening plant rental	3.0	MNTH	15,500.00				79,567.05			79,567
1.MDAG3X.1.04.05	Screening plant : Scheduled Maintenance	2.0	EA	2,400.00						8,213.37	8,213
1.MDAG3X.1.04.05	Excavating, 3/8 C.Y. excavator, 1' to 4' deep, excludes sheeting or dewatering	12,037.0	CY	48.09	10,422.3	890,552.58		99,961.78			990,514
1.MDAG3X.1.04.05	Excavating, by hand with pick and shovel, 2' to 6' deep, light soil, excludes sheeting or dewatering	188.0	CY	173.65	653.8	55,862.13					55,862
1.MDAG3X.1.04.05	Dozer D9 rip tuff material for processing	11,849.0	CY	2.33	602.8	47,332.22					47,332
1.MDAG3X.1.04.05	980 Frontend loader soil processing	11,849.0	CY	2.33	602.8	47,332.22					47,332
1.MDAG3X.1.04.05	825H High speed compactor (sheepsfoot) soil processing	11,849.0	CY	1.24	320.1	25,132.15					25,132
1.MDAG3X.1.04.05	963 Hydraulic Excavator soil processing	11,849.0	CY	1.24	320.1	25,132.15					25,132



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Project WBS	Activity Description	Takeoff Quantity - Adjusted	Unit	Total Unit Price	Labor Hours	Labor Total - Gross	Material Total - Gross	Equip Total - Gross	Subs Total - Gross	Other Total - Gross	Gross Total Costs
1.MDAG3X.1.04.13	Dozer D9 rental	4.0	MNTH	29,404.00				201,255.00			201,255
1.MDAG3X.1.04.13	Dozer D9 Scheduled Maintenance	0.3	YR	7,253.69						4,095.94	4,096
1.MDAG3X.1.04.13	Dozer D9 Ripper replacement	1.0	SET	647.69	7.5	590.49				517.78	1,108
1.MDAG3X.1.04.13	Dozer cutting edge replacement	2.0	EA	1,290.19	30.1	2,361.98	2,053.34				4,415
1.MDAG3X.1.04.13	980, 7 cy front-end loader rental	4.0	MNTH	16,734.00				114,535.48			114,535
1.MDAG3X.1.04.13	980 Loader: Scheduled Maintenance	0.3	YR	5,865.19						3,311.89	3,312
1.MDAG3X.1.04.13	980-7cy loader bucket teeth replacement.	2.0	EA	1,177.09	15.0	1,180.99	2,847.30				4,028
1.MDAG3X.1.04.13	825H High speed compactor (sheepsfoot) rental	4.0	MNTH	10,585.00				72,448.79			72,449
1.MDAG3X.1.04.13	825H: Scheduled Maintenance	0.3	YR	5,944.56						3,356.71	3,357
1.MDAG3X.1.04.13	963 Hydraulic Excavator rental	4.0	MNTH	18,640.00				127,581.05			127,581
1.MDAG3X.1.04.13	963 Hydraulic Excavator : Scheduled Maintenance	0.3	YR	7,349.52						4,150.05	4,150
1.MDAG3X.1.04.13	963 Hydraulic Excavator tip long replacement.	4.0	EA	773.08							5,291
1.MDAG3X.1.04.13	Water wagon 1,000 gal tuff processing	18,854.0	CY	0.91	467.9	29,226.61	2,929.37				29,227
1.MDAG3X.1.04.13	Equipment only. Water wagon 1,000 gal tuff processing	18,854.0	CY	0.26				8,517.02			8,517
1.MDAG3X.1.04.13	Rock crusher plant rental	4.0	MNTH	28,000.00				191,645.36			191,645
1.MDAG3X.1.04.13	Rock crusher plant : Scheduled Maintenance	4.0	EA	4,000.00						27,377.91	27,378
1.MDAG3X.1.04.13	Screening plant rental	4.0	MNTH	15,500.00				106,089.39			106,089
1.MDAG3X.1.04.13	Screening plant : Scheduled Maintenance	4.0	EA	2,400.00						16,426.74	16,427
1.MDAG3X.1.04.13	Excavating, 3/8 C.Y. excavator, 1' to 4' deep, excludes sheeting or dewatering	18,958.0	CY	48.09	16,414.9	1,402,599.97		157,437.52			1,560,037
1.MDAG3X.1.04.13	Excavating, by hand with pick and shovel, 2' to 6' deep, light soil, excludes sheeting or dewatering	105.0	CY	173.65	365.1	31,199.60					31,200
1.MDAG3X.1.04.13	Dozer D9 rip tuff material for processing	18,854.0	CY	2.33	959.1	75,314.52					75,315
1.MDAG3X.1.04.13	980 Frontend loader soil processing	18,854.0	CY	2.33	959.1	75,314.52					75,315
1.MDAG3X.1.04.13	825H High speed compactor (sheepsfoot) soil processing	18,854.0	CY	1.24	509.3	39,990.01					39,990
1.MDAG3X.1.04.13	963 Hydraulic Excavator soil processing	18,854.0	CY	1.24	509.3	39,990.01					39,990
1.MDAG3X.1.04.13	<b>Total</b>				<b>20,267.5</b>	<b>1,700,130.66</b>	<b>7,830.01</b>	<b>979,509.62</b>		<b>59,237.03</b>	<b>2,746,707</b>
1.MDAG3X.1.04.15	<b>Excavation -DC- Excavation Shaft 4 - Backfill</b>										
1.MDAG3X.1.04.15	Borrow, fill material only.	93.7	ton	16.50			2,645.48				2,645
1.MDAG3X.1.04.15	Fill, from stockpile, 300 H.P. dozer, 2-1/2 C.Y., 300' haul, spread fill, with front-end loader, excludes compaction	18,958.0	CY	6.39	1,419.7	121,304.50		85,964.41			207,269
1.MDAG3X.1.04.15	Backfill, structural, common earth, 80 H.P. dozer, 300' haul	18,958.0	CY	8.14	2,587.7	221,112.00		42,823.93			263,936
1.MDAG3X.1.04.15	Water wagon 1,000 gal tuff processing	18,958.0	CY	0.91	470.5	29,387.82					29,388
1.MDAG3X.1.04.15	Equipment only. Water wagon 1,000 gal tuff processing	18,958.0	CY	0.26				8,564.00			8,564
1.MDAG3X.1.04.15	Compaction, 2 passes, 6" lifts, riding, sheepsfoot or wobbly wheel roller	18,958.0	CY	1.40	359.4	28,400.63		16,869.03			45,270
1.MDAG3X.1.04.15	<b>Total</b>				<b>4,837.2</b>	<b>400,204.95</b>	<b>2,645.48</b>	<b>154,221.37</b>			<b>557,072</b>
1.MDAG3X.1.04.16	<b>Excavation -DC- Excavation Shaft 4 - Disposal of Waste</b>										
1.MDAG3X.1.04.16	MLLW - Waste container delivery.	2.0	ea	1,453.61	60.2	3,987.63		986.97			4,975
1.MDAG3X.1.04.16	MLLW - Waste container unload on site and handling during project.	32.0	ea	4,607.32	2,887.7	228,184.76		24,092.56			252,277
1.MDAG3X.1.04.16	MLLW - Waste containers.	32.0	ea	2,018.34			110,515.85				110,516
1.MDAG3X.1.04.16	MLLW - Fill waste containers.	32.0	ea	549.81	361.0	28,523.10		1,582.44			30,106
1.MDAG3X.1.04.16	MLLW - Waste, ship off site. Packaging, Handling, Shipping and Disposal fees.	105.0	cy	1,114.00					200,149.62		200,150
1.MDAG3X.1.04.16	MLLW - Trucking cost per 43,000 pound load	21.0	Trip	4,471.00						160,658.70	160,659
1.MDAG3X.1.04.16	Confirmatory Sampling	1.0	EA	3,798.14	3.8	462.20		0.62	6,036.25		6,499
1.MDAG3X.1.04.16	<b>Total</b>				<b>3,312.6</b>	<b>261,157.69</b>	<b>110,515.85</b>	<b>26,662.60</b>	<b>206,185.87</b>	<b>160,658.70</b>	<b>765,181</b>
1.MDAG3X.1.04.17	<b>Excavation -DC- Excavation Shaft 5 - Excavation</b>										
1.MDAG3X.1.04.17	Dozer D9 rental	6.0	MNTH	29,404.00				301,882.51			301,883
1.MDAG3X.1.04.17	Dozer D9 Scheduled Maintenance	0.5	YR	7,253.69						6,205.96	6,206
1.MDAG3X.1.04.17	Dozer D9 Ripper replacement	2.0	SET	647.69	15.0	1,180.99				1,035.57	2,217
1.MDAG3X.1.04.17	Dozer cutting edge replacement	3.0	EA	1,290.19	45.1	3,542.97	3,080.01				6,623
1.MDAG3X.1.04.17	980, 7 cy front-end loader rental	6.0	MNTH	16,734.00				171,803.22			171,803
1.MDAG3X.1.04.17	980 Loader: Scheduled Maintenance	0.5	YR	5,865.19						5,018.02	5,018
1.MDAG3X.1.04.17	980-7cy loader bucket teeth replacement.	4.0	EA	1,177.09	30.1	2,361.98	5,694.60				8,057
1.MDAG3X.1.04.17	825H High speed compactor (sheepsfoot) rental	6.0	MNTH	10,585.00				108,673.18			108,673
1.MDAG3X.1.04.17	825H: Scheduled Maintenance	0.5	YR	5,944.56						5,085.93	5,086
1.MDAG3X.1.04.17	963 Hydraulic Excavator rental	6.0	MNTH	18,640.00				191,371.58			191,372
1.MDAG3X.1.04.17	963 Hydraulic Excavator : Scheduled Maintenance	0.5	YR	7,349.52						6,287.95	6,288
1.MDAG3X.1.04.17	963 Hydraulic Excavator tip long replacement.	5.0	EA	773.08	37.6	2,952.47	3,661.71				6,614
1.MDAG3X.1.04.17	Water wagon 1,000 gal tuff processing	24,683.0	CY	0.91	612.5	38,262.46					38,262
1.MDAG3X.1.04.17	Equipment only. Water wagon 1,000 gal tuff processing	24,683.0	CY	0.26				11,150.19			11,150
1.MDAG3X.1.04.17	Rock crusher plant rental	6.0	MNTH	28,000.00				287,468.04			287,468
1.MDAG3X.1.04.17	Rock crusher plant : Scheduled Maintenance	5.0	EA	4,000.00						34,222.39	34,222
1.MDAG3X.1.04.17	Screening plant rental	6.0	MNTH	15,500.00				159,134.09			159,134
1.MDAG3X.1.04.17	Screening plant : Scheduled Maintenance	5.0	EA	2,400.00						20,533.43	20,533
1.MDAG3X.1.04.17	Excavating, 3/8 C.Y. excavator, 1' to 4' deep, excludes sheeting or dewatering	25,278.0	CY	48.09	21,887.1	1,870,182.61		209,922.23			2,080,105
1.MDAG3X.1.04.17	Excavating, by hand with pick and shovel, 2' to 6' deep, light soil, excludes sheeting or dewatering	595.0	CY	173.65	2,069.1	176,797.71					176,798
1.MDAG3X.1.04.17	Dozer D9 rip tuff material for processing	24,683.0	CY	2.33	1,255.7	98,599.14					98,599
1.MDAG3X.1.04.17	980 Frontend loader soil processing	24,683.0	CY	2.33	1,255.7	98,599.14					98,599
1.MDAG3X.1.04.17	825H High speed compactor (sheepsfoot) soil processing	24,683.0	CY	1.24	666.7	52,353.53					52,354
1.MDAG3X.1.04.17	963 Hydraulic Excavator soil processing	24,683.0	CY	1.24	666.7	52,353.53					52,354

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<b>1.MDAG3X.1.04.17</b>											
	<b>Total</b>				<b>28,541.4</b>	<b>2,397,186.53</b>	<b>12,436.33</b>	<b>1,441,405.03</b>		<b>78,389.25</b>	<b>3,929,417</b>
<b>1.MDAG3X.1.04.19</b>	<b>Excavation -DC- Excavation Shaft 5 - Backfill</b>										
1.MDAG3X.1.04.19	Borrow, fill material only.	531.0	ton	16.50			14,991.97				14,992
1.MDAG3X.1.04.19	Fill, from stockpile, 300 H.P. dozer, 2-1/2 C.Y., 300' haul, spread fill, with front-end loader, excludes compaction	25,278.0	CY	6.39	1,892.9	161,743.60		114,622.23			276,366
1.MDAG3X.1.04.19	Backfill, structural, common earth, 80 H.P. dozer, 300' haul	25,278.0	CY	8.14	3,450.4	294,823.77		57,100.08			351,924
1.MDAG3X.1.04.19	Water wagon 1,000 gal tuff processing	25,278.0	CY	0.91	627.3	39,184.80					39,185
1.MDAG3X.1.04.19	Equipment only. Water wagon 1,000 gal tuff processing	25,278.0	CY	0.26				11,418.97			11,419
1.MDAG3X.1.04.19	Compaction, 2 passes, 6" lifts, riding, sheepsfoot or wobbly wheel roller	25,278.0	CY	1.40	479.2	37,868.50		22,492.63			60,361
<b>1.MDAG3X.1.04.19</b>	<b>Total</b>				<b>6,449.8</b>	<b>533,620.67</b>	<b>14,991.97</b>	<b>205,633.92</b>			<b>754,247</b>
<b>1.MDAG3X.1.04.20</b>	<b>Excavation -DC- Excavation Shaft 5 - Disposal of Waste</b>										
1.MDAG3X.1.04.20	MLLW - Waste container delivery.	9.0	ea	1,453.61	270.7	17,944.33		4,441.38			22,386
1.MDAG3X.1.04.20	MLLW - Waste container unload on site and handling during project.	179.0	ea	4,607.32	16,153.0	1,276,408.52		134,767.75			1,411,176
1.MDAG3X.1.04.20	MLLW - Waste containers.	179.0	ea	2,018.34			618,198.06				618,198
1.MDAG3X.1.04.20	MLLW - Fill waste containers.	179.0	ea	549.81	2,019.1	159,551.06		8,851.79			168,403
1.MDAG3X.1.04.20	MLLW - Waste, ship off site. Packaging, Handling, Shipping and Disposal fees.	595.0	cy	1,114.00					1,134,181.19		1,134,181
1.MDAG3X.1.04.20	MLLW - Trucking cost per 43,000 pound load	36.0	Trip	4,471.00						275,414.91	275,415
1.MDAG3X.1.04.20	Confirmatory Sampling	6.0	EA	3,798.14	22.6	2,773.23		3.72	36,217.48		38,994
<b>1.MDAG3X.1.04.20</b>	<b>Total</b>				<b>18,465.4</b>	<b>1,456,677.14</b>	<b>618,198.06</b>	<b>148,064.65</b>	<b>1,170,398.67</b>	<b>275,414.91</b>	<b>3,668,753</b>
<b>1.MDAG3X.1.04.21</b>	<b>Excavation -DC- Excavation Shaft 6 - Excavation</b>										
1.MDAG3X.1.04.21	Dozer D9 rental	5.0	MNTH	29,404.00				251,568.76			251,569
1.MDAG3X.1.04.21	Dozer D9 Scheduled Maintenance	0.5	YR	7,253.69						6,205.96	6,206
1.MDAG3X.1.04.21	Dozer D9 Ripper replacement	2.0	SET	647.69	15.0	1,180.99				1,035.57	2,217
1.MDAG3X.1.04.21	Dozer cutting edge replacement	3.0	EA	1,290.19	45.1	3,542.97	3,080.01				6,623
1.MDAG3X.1.04.21	980, 7 cy front-end loader rental	5.0	MNTH	16,734.00				143,169.35			143,169
1.MDAG3X.1.04.21	980 Loader: Scheduled Maintenance	0.5	YR	5,865.19						5,018.02	5,018
1.MDAG3X.1.04.21	980-7cy loader bucket teeth replacement.	4.0	EA	1,177.09	30.1	2,361.98	5,694.60				8,057
1.MDAG3X.1.04.21	825H High speed compactor (sheepsfoot) rental	5.0	MNTH	10,585.00				90,560.99			90,561
1.MDAG3X.1.04.21	825H: Scheduled Maintenance	0.5	YR	5,944.56						5,085.93	5,086
1.MDAG3X.1.04.21	963 Hydraulic Excavator rental	5.0	MNTH	18,640.00				159,476.32			159,476
1.MDAG3X.1.04.21	963 Hydraulic Excavator : Scheduled Maintenance	0.5	YR	7,349.52						6,287.95	6,288
1.MDAG3X.1.04.21	963 Hydraulic Excavator tip long replacement.	4.0	EA	773.08	30.1	2,361.98	2,929.37				5,291
1.MDAG3X.1.04.21	Water wagon 1,000 gal tuff processing	20,913.0	CY	0.91	519.0	32,418.38					32,418
1.MDAG3X.1.04.21	Equipment only. Water wagon 1,000 gal tuff processing	20,913.0	CY	0.26				9,447.14			9,447
1.MDAG3X.1.04.21	Rock crusher plant rental	5.0	MNTH	28,000.00				239,556.70			239,557
1.MDAG3X.1.04.21	Rock crusher plant : Scheduled Maintenance	4.0	EA	4,000.00						27,377.91	27,378
1.MDAG3X.1.04.21	Screening plant rental	5.0	MNTH	15,500.00				132,611.74			132,612
1.MDAG3X.1.04.21	Screening plant : Scheduled Maintenance	4.0	EA	2,400.00						16,426.74	16,427
1.MDAG3X.1.04.21	Excavating, 3/8 C.Y. excavator, 1' to 4' deep, excludes sheeting or dewatering	21,667.0	CY	48.09	18,760.5	1,603,024.24		179,934.52			1,782,959
1.MDAG3X.1.04.21	Excavating, by hand with pick and shovel, 2' to 6' deep, light soil, excludes sheeting or dewatering	754.0	CY	173.65	2,622.0	224,042.81					224,043
1.MDAG3X.1.04.21	Dozer D9 rip tuff material for processing	20,913.0	CY	2.33	1,063.9	83,539.43					83,539
1.MDAG3X.1.04.21	980 Front-end loader soil processing	20,913.0	CY	2.33	1,063.9	83,539.43					83,539
1.MDAG3X.1.04.21	825H High speed compactor (sheepsfoot) soil processing	20,913.0	CY	1.24	564.9	44,357.22					44,357
1.MDAG3X.1.04.21	963 Hydraulic Excavator soil processing	20,913.0	CY	1.24	564.9	44,357.22					44,357
<b>1.MDAG3X.1.04.21</b>	<b>Total</b>				<b>25,279.4</b>	<b>2,124,726.65</b>	<b>11,703.99</b>	<b>1,206,325.52</b>		<b>67,438.09</b>	<b>3,410,194</b>
<b>1.MDAG3X.1.04.23</b>	<b>Excavation -DC- Excavation Shaft 6 - Backfill</b>										
1.MDAG3X.1.04.23	Borrow, fill material only.	791.7	ton	16.50			22,352.44				22,352
1.MDAG3X.1.04.23	Fill, from stockpile, 300 H.P. dozer, 2-1/2 C.Y., 300' haul, spread fill, with front-end loader, excludes compaction	21,667.0	CY	6.39	1,622.5	138,638.28		98,248.28			236,887
1.MDAG3X.1.04.23	Backfill, structural, common earth, 80 H.P. dozer, 300' haul	21,667.0	CY	8.14	2,957.5	252,707.75		48,943.25			301,651
1.MDAG3X.1.04.23	Water wagon 1,000 gal tuff processing	21,667.0	CY	0.91	537.7	33,587.19					33,587
1.MDAG3X.1.04.23	Equipment only. Water wagon 1,000 gal tuff processing	21,667.0	CY	0.26				9,787.75			9,788
1.MDAG3X.1.04.23	Compaction, 2 passes, 6" lifts, riding, sheepsfoot or wobbly wheel roller	21,667.0	CY	1.40	410.8	32,458.93		19,279.53			51,738
<b>1.MDAG3X.1.04.23</b>	<b>Total</b>				<b>5,528.5</b>	<b>457,392.16</b>	<b>22,352.44</b>	<b>176,258.80</b>			<b>656,003</b>
<b>1.MDAG3X.1.04.24</b>	<b>Excavation -DC- Excavation Shaft 6 - Disposal of Waste</b>										
1.MDAG3X.1.04.24	PCB Waste - Fill Waste Containers	227.0	L.C.Y.	933.98	6,059.4	343,711.69		19,069.47			362,781
1.MDAG3X.1.04.24	PCB Waste - Selective demolition, dump charges, typical urban city, reclamation station, usual charge, includes tipping fees only	754.0	ton	1,002.00					1,292,764.30		1,292,764
<b>1.MDAG3X.1.04.24</b>	<b>Total</b>				<b>6,059.4</b>	<b>343,711.69</b>		<b>19,069.47</b>	<b>1,292,764.30</b>		<b>1,655,545</b>
<b>1.MDAG3X.1.04.25</b>	<b>Excavation -DC- Excavation Shaft 6 - Disposal of RCRA Waste</b>										
1.MDAG3X.1.04.25	RCRA - Waste container delivery.	2.0	ea	1,453.61	60.2	3,987.63		986.97			4,975
1.MDAG3X.1.04.25	RCRA - Waste container unload on site and handling during project.	21.0	ea	4,607.32	1,895.0	149,746.25		15,810.74			165,557
1.MDAG3X.1.04.25	RCRA - Waste containers.	21.0	ea	2,018.34			72,526.03				72,526
1.MDAG3X.1.04.25	RCRA - Fill waste containers.	21.0	ea	549.81	236.9	18,718.28		1,038.48			19,757

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Project WBS	Activity Description	Takeoff Quantity - Adjusted	Unit	Total Unit Price	Labor Hours	Labor Total - Gross	Material Total - Gross	Equip Total - Gross	Subs Total - Gross	Other Total - Gross	Gross Total Costs
1.MDAG3X.1.04.25	RCRA - Waste, ship off site. Packaging, Handling, Shipping and Disposal fees.	68.0	cy	1,114.00					129,620.71		129,621
1.MDAG3X.1.04.25	RCRA - Trucking cost per 43,000 pound load	5.0	Trip	4,471.00						38,252.07	38,252
1.MDAG3X.1.04.25	Confirmatory Sampling	1.0	EA	3,798.14	3.8	462.20		0.62	6,036.25		6,499
1.MDAG3X.1.04.25	<b>Total</b>	<b>1.0</b>		<b>255,497.23</b>	<b>2,195.8</b>	<b>172,914.37</b>	<b>72,526.03</b>	<b>17,836.81</b>	<b>135,656.95</b>	<b>38,252.07</b>	<b>437,186</b>
1.MDAG3X.1.04	<b>Total</b>				<b>327,713.7</b>	<b>26,843,892.64</b>	<b>3,425,581.19</b>	<b>10,849,772.45</b>	<b>7,443,393.60</b>	<b>2,011,527.85</b>	<b>50,574,168</b>
1.MDAG3X.1.05	<b>Excavation -DC- Excavation Pits</b>										
1.MDAG3X.1.05.01	<b>Excavation -DC- Excavation Pits - Excavation Pit MLLW</b>										
1.MDAG3X.1.05.01	Dozer D9 Mobilization	4.0	ea	1,750.00						11,977.83	11,978
1.MDAG3X.1.05.01	980 Loader Mobilization	4.0	ea	697.00						4,770.60	4,771
1.MDAG3X.1.05.01	Screening plant, Mobilization	2.0	ea	3,000.00						10,266.72	10,267
1.MDAG3X.1.05.01	963 Hydraulic Excavator Mobilization	4.0	ea	2,050.00						14,031.18	14,031
1.MDAG3X.1.05.01	Rock crusher plant, Mobilization	2.0	ea	5,000.00						17,111.19	17,111
1.MDAG3X.1.05.01	Rock crusher plant, Set up costs.	2.0	ea	2,000.00						6,844.48	6,844
1.MDAG3X.1.05.01	825H Mobilization	4.0	ea	812.00						5,557.72	5,558
1.MDAG3X.1.05.01	Treatment - Mob/Demob VOC treatment plant.	2.0	ea	130,000.00					444,891.01		444,891
1.MDAG3X.1.05.01	Dozer D9 rental	222.0	MNTH	29,404.00				11,169,652.73			11,169,653
1.MDAG3X.1.05.01	Dozer D9 Scheduled Maintenance	18.5	YR	7,253.69		21,848.31				229,620.68	229,621
1.MDAG3X.1.05.01	Dozer D9 Ripper replacement	37.0	SET	647.69	278.2					19,158.03	41,006
1.MDAG3X.1.05.01	Dozer cutting edge replacement	111.0	EA	1,290.19	1,669.4	131,089.88	113,960.54				245,050
1.MDAG3X.1.05.01	980, 7 cy frontend loader rental	222.0	MNTH	16,734.00				6,356,719.11			6,356,719
1.MDAG3X.1.05.01	980 Loader: Scheduled Maintenance	18.5	YR	5,865.19						185,666.73	185,667
1.MDAG3X.1.05.01	980-7cy loader bucket teeth replacement.	130.0	EA	1,177.09	977.6	76,764.34	185,074.66				261,839
1.MDAG3X.1.05.01	825H High speed compactor (sheepsfoot) rental	222.0	MNTH	10,585.00				4,020,907.84			4,020,908
1.MDAG3X.1.05.01	825H: Scheduled Maintenance	18.5	YR	5,944.56						188,179.25	188,179
1.MDAG3X.1.05.01	963 Hydraulic Excavator rental	222.0	MNTH	18,640.00				7,080,748.43			7,080,748
1.MDAG3X.1.05.01	963 Hydraulic Excavator : Scheduled Maintenance	18.5	YR	7,349.52						232,654.25	232,654
1.MDAG3X.1.05.01	963 Hydraulic Excavator tip long replacement.	167.0	EA	773.08	1,255.8	98,612.65	122,301.10				220,914
1.MDAG3X.1.05.01	Water wagon 1,000 gal tuff processing	415,038.0	CY	0.91	10,299.6	643,372.92					643,373
1.MDAG3X.1.05.01	Equipment only, Water wagon 1,000 gal tuff processing	415,038.0	CY	0.26				187,487.39			187,487
1.MDAG3X.1.05.01	Rock crusher plant rental	222.0	MNTH	28,000.00				10,636,317.38			10,636,317
1.MDAG3X.1.05.01	Rock crusher plant : Scheduled Maintenance	167.0	EA	4,000.00						1,143,027.67	1,143,028
1.MDAG3X.1.05.01	Screening plant rental	222.0	MNTH	15,500.00				5,887,961.41			5,887,961
1.MDAG3X.1.05.01	Screening plant : Scheduled Maintenance	167.0	EA	2,400.00						685,816.60	685,817
1.MDAG3X.1.05.01	Excavating, 3/8 C.Y. excavator, 1' to 4' deep, excludes sheeting or dewatering	1,020,464.0	CY	48.09	883,575.9	75,498,616.59		8,474,486.77			83,973,103
1.MDAG3X.1.05.01	Excavating, by hand with pick and shovel, 2' to 6' deep, light soil, excludes sheeting or dewatering	605,426.0	CY	173.65	2,105,356.2	179,895,682.08					179,895,682
1.MDAG3X.1.05.01	Dozer D9 rip tuff material for processing	415,038.0	CY	2.33	21,113.7	1,657,917.99					1,657,918
1.MDAG3X.1.05.01	980 Frontend loader soil processing	415,038.0	CY	2.33	21,113.7	1,657,917.99					1,657,918
1.MDAG3X.1.05.01	825H High speed compactor (sheepsfoot) soil processing	415,038.0	CY	1.24	11,210.8	880,310.44					880,310
1.MDAG3X.1.05.01	963 Hydraulic Excavator soil processing	415,038.0	CY	1.24	11,210.8	880,310.44					880,310
1.MDAG3X.1.05.01	Mobilization or demobilization, dozer, loader, backhoe or excavator, above 150 H.P., up to 50 miles	4.0	EA	768.56	40.2	3,172.86		2,087.57			5,260
1.MDAG3X.1.05.01	<b>Total</b>				<b>3,068,102.0</b>	<b>261,445,616.49</b>	<b>421,336.31</b>	<b>53,816,368.62</b>	<b>444,891.01</b>	<b>2,754,682.93</b>	<b>318,882,895</b>
1.MDAG3X.1.05.03	<b>Excavation -DC- Excavation Pits - Backfill Pit MLLW</b>										
1.MDAG3X.1.05.03	Borrow, fill material only.	540,342.7	ton	16.50			15,255,748.31				15,255,748
1.MDAG3X.1.05.03	Fill, from stockpile, 300 H.P. dozer, 2-1/2 C.Y., 300' haul, spread fill, with front-end loader, excludes compaction	1,020,464.0	CY	6.39	76,416.5	6,529,532.28		4,627,259.38			11,156,792
1.MDAG3X.1.05.03	Backfill, structural, common earth, 80 H.P. dozer, 300' haul	1,020,464.0	CY	8.14	139,290.8	11,901,932.26		2,305,110.18			14,207,042
1.MDAG3X.1.05.03	Water wagon 1,000 gal tuff processing	1,020,464.0	CY	0.91	25,323.8	1,581,876.60					1,581,877
1.MDAG3X.1.05.03	Equipment only, Water wagon 1,000 gal tuff processing	1,020,464.0	CY	0.26				460,979.80			460,980
1.MDAG3X.1.05.03	Compaction, 2 passes, 6" lifts, riding, sheepsfoot or wobbly wheel roller	1,020,464.0	CY	1.40	19,345.9	1,528,738.26		908,019.74			2,436,758
1.MDAG3X.1.05.03	<b>Total</b>				<b>260,377.0</b>	<b>21,542,079.40</b>	<b>15,255,748.31</b>	<b>8,301,369.10</b>			<b>45,099,197</b>
1.MDAG3X.1.05.04	<b>Excavation -DC- Excavation Pits - Disposal of Waste Pit MLLW</b>										
1.MDAG3X.1.05.04	MLLW - Waste container delivery.	9,082.0	ea	1,453.61	273,186.6	18,107,823.58		4,481,847.09			22,589,671
1.MDAG3X.1.05.04	MLLW - Waste container unload on site and handling during project.	181,628.0	ea	4,607.32	16,390,110.7	1,295,148,190.76		136,746,355.14			1,431,894,546
1.MDAG3X.1.05.04	MLLW - Waste containers.	181,628.0	ea	2,018.34			627,274,178.26				627,274,178
1.MDAG3X.1.05.04	MLLW - Fill waste containers.	181,628.0	ea	549.81	2,048,763.8	161,893,523.84		8,981,749.24			170,875,273
1.MDAG3X.1.05.04	MLLW - Waste, ship off site. Packaging, Handling, Shipping and Disposal fees.	605,426.0	cy	1,114.00					1,154,055,090.01		1,154,055,090
1.MDAG3X.1.05.04	MLLW - Trucking cost per 43,000 pound load	36,326.0	Trip	4,471.00						277,908,948.27	277,908,948
1.MDAG3X.1.05.04	Confirmatory Sampling	6,054.0	EA	3,798.14	22,763.0	2,798,187.86		3,755.18	36,543,439.36		39,345,382
1.MDAG3X.1.05.04	<b>Total</b>				<b>18,734,824.2</b>	<b>1,477,947,726.04</b>	<b>627,274,178.26</b>	<b>150,213,706.65</b>	<b>1,190,598,529.37</b>	<b>277,908,948.27</b>	<b>3,723,943,089</b>
1.MDAG3X.1.05.05	<b>Excavation -DC- Excavation Pits - Excavation Pit MLLW /TRU</b>										
1.MDAG3X.1.05.05	Dozer D9 rental	102.0	MNTH	29,404.00				5,132,002.60			5,132,003
1.MDAG3X.1.05.05	Dozer D9 Scheduled Maintenance	8.5	YR	7,253.69						105,501.39	105,501
1.MDAG3X.1.05.05	Dozer D9 Ripper replacement	17.0	SET	647.69	127.8	10,038.41				8,802.34	18,841
1.MDAG3X.1.05.05	Dozer cutting edge replacement	51.0	EA	1,290.19	767.0	60,230.48	52,360.25				112,591

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Project WBS	Activity Description	Takeoff Quantity - Adjusted	Unit	Total Unit Price	Labor Hours	Labor Total - Gross	Material Total - Gross	Equip Total - Gross	Subs Total - Gross	Other Total - Gross	Gross Total Costs
1.MDAG3X.1.05.05	980, 7 cy front-end loader rental	102.0	MNTH	16,734.00				2,920,654.73			2,920,655
1.MDAG3X.1.05.05	980 Loader: Scheduled Maintenance	8.5	YR	5,865.19						85,306.34	85,306
1.MDAG3X.1.05.05	980-7cy loader bucket teeth replacement.	60.0	EA	1,177.09	451.2	35,429.70	85,419.07				120,849
1.MDAG3X.1.05.05	825H High speed compactor (sheepsfoot) rental	102.0	MNTH	10,585.00				1,847,444.14			1,847,444
1.MDAG3X.1.05.05	825H: Scheduled Maintenance	8.5	YR	5,944.56						86,460.73	86,461
1.MDAG3X.1.05.05	963 Hydraulic Excavator rental	102.0	MNTH	18,640.00				3,253,316.85			3,253,317
1.MDAG3X.1.05.05	963 Hydraulic Excavator : Scheduled Maintenance	8.5	YR	7,349.52						106,895.20	106,895
1.MDAG3X.1.05.05	963 Hydraulic Excavator tip long replacement.	77.0	EA	773.08	579.0	45,468.11	56,390.33				101,858
1.MDAG3X.1.05.05	Water wagon 1,000 gal soil processing	177,291.0	CY	0.91	4,399.7	274,828.40					274,828
1.MDAG3X.1.05.05	Equipment only. Water wagon 1,000 gal soil processing	177,291.0	CY	0.26				80,088.64			80,089
1.MDAG3X.1.05.05	Rock crusher plant rental	102.0	MNTH	28,000.00				4,886,956.64			4,886,957
1.MDAG3X.1.05.05	Rock crusher plant : Scheduled Maintenance	77.0	EA	4,000.00						527,024.74	527,025
1.MDAG3X.1.05.05	Screening plant rental	102.0	MNTH	15,500.00				2,705,279.57			2,705,280
1.MDAG3X.1.05.05	Screening plant : Scheduled Maintenance	77.0	EA	2,400.00						316,214.84	316,215
1.MDAG3X.1.05.05	Excavating, 3/8 C.Y. excavator, 1' to 4' deep, excludes sheeting or dewatering	470,789.0	CY	48.09	407,635.9	34,831,133.88		3,909,687.31			38,740,821
1.MDAG3X.1.05.05	Excavating, by hand with pick and shovel, 2' to 6' deep, light soil, excludes sheeting or dewatering	293,498.0	CY	173.65	1,020,633.1	87,209,705.07					87,209,705
1.MDAG3X.1.05.05	Dozer D9 rip tuff material for processing	177,291.0	CY	2.33	9,019.1	708,209.70					708,210
1.MDAG3X.1.05.05	980 Front-end loader soil processing	177,291.0	CY	2.33	9,019.1	708,209.70					708,210
1.MDAG3X.1.05.05	825H High speed compactor (sheepsfoot) soil processing	177,291.0	CY	1.24	4,788.9	376,040.55					376,041
1.MDAG3X.1.05.05	963 Hydraulic Excavator soil processing	177,291.0	CY	1.24	4,788.9	376,040.55					376,041
1.MDAG3X.1.05.05	<b>Total</b>				<b>1,462,209.9</b>	<b>124,635,334.56</b>	<b>194,169.65</b>	<b>24,735,430.46</b>		<b>1,236,205.58</b>	<b>150,801,140</b>
1.MDAG3X.1.05.07	<b>Excavation -DC- Excavation Pits - Backfill Pit MLLW/TRU</b>										
1.MDAG3X.1.05.07	Equipment only. Water wagon 1,000 gal tuff processing	470,789.0	CY	0.26				212,672.10			212,672
1.MDAG3X.1.05.07	Borrow, fill material only	261,647.0	ton	16.50			7,387,202.19				7,387,202
1.MDAG3X.1.05.07	Fill, from stockpile, 300 H.P. dozer, 2-1/2 C.Y., 300' haul, spread fill, with front-end loader, excludes compaction	470,789.0	CY	6.39	35,254.6	3,012,386.50		2,134,776.74			5,147,163
1.MDAG3X.1.05.07	Backfill, structural, common earth, 80 H.P. dozer, 300' haul	470,789.0	CY	8.14	64,261.5	5,490,932.35		1,063,457.91			6,554,390
1.MDAG3X.1.05.07	Water wagon 1,000 gal tuff processing	470,789.0	CY	0.91	4,788.9	729,795.56					729,796
1.MDAG3X.1.05.07	Compaction, 2 passes, 6" lifts, riding, sheepsfoot or wobbly wheel roller	470,789.0	CY	1.40	8,925.2	705,280.30		418,913.07			1,124,193
1.MDAG3X.1.05.07	<b>Total</b>				<b>120,124.4</b>	<b>9,938,394.71</b>	<b>7,387,202.19</b>	<b>3,829,819.82</b>			<b>21,155,417</b>
1.MDAG3X.1.05.08	<b>Excavation -DC- Excavation Pits - Disposal of Waste Pit MLLW/TRU</b>										
1.MDAG3X.1.05.08	TRU - Waste Containers	5,454.0	ea	2,776.12			25,906,865.93	1,110.23			25,907,976
1.MDAG3X.1.05.08	TRU - Waste container unload on site and handling during project.	109,072.0	ea	7,960.00	17,761,262.1	1,403,496,711.65		82,119,488.45			1,485,616,200
1.MDAG3X.1.05.08	TRU - Fill waste containers.	109,072.0	ea	549.81	1,230,332.2	97,220,970.52		5,393,757.31			102,614,728
1.MDAG3X.1.05.08	TRU - Waste, ship off site. Packaging, Handling, Shipping and Disposal fees.	54,536.0	cy	1,114.00					103,955,806.97		103,955,807
1.MDAG3X.1.05.08	TRU - Site Delivery	16,361.0	EA	50.00	11,444.7	977,909.05		421,872.06			1,399,781
1.MDAG3X.1.05.08	MLLW - Waste container delivery.	3,585.0	ea	1,453.61	107,836.8	7,147,825.10		1,769,150.17			8,916,975
1.MDAG3X.1.05.08	MLLW - Waste container unload on site and handling during project.	71,689.0	ea	4,607.32	6,469,215.4	511,198,045.72		53,974,108.91			565,172,155
1.MDAG3X.1.05.08	MLLW - Waste containers.	71,689.0	ea	2,018.34			247,586,597.69				247,586,598
1.MDAG3X.1.05.08	MLLW - Fill waste containers.	71,689.0	ea	549.81	808,651.9	63,899,755.71		3,545,117.61			67,444,873
1.MDAG3X.1.05.08	MLLW - Waste, ship off site. Packaging, Handling, Shipping and Disposal fees.	328,962.0	cy	1,114.00					627,063,044.07		627,063,044
1.MDAG3X.1.05.08	MLLW - Trucking cost per 43,000 pound load	14,338.0	Trip	4,471.00						109,691,639.60	109,691,640
1.MDAG3X.1.05.08	Confirmatory Sampling	2,390.0	EA	3,798.14	8,986.4	1,104,669.47		1,482.47	14,426,630.34		15,532,782
1.MDAG3X.1.05.08	<b>Total</b>				<b>26,397,729.4</b>	<b>2,085,045,887.22</b>	<b>273,493,463.62</b>	<b>147,226,087.22</b>	<b>745,445,481.38</b>	<b>109,691,639.60</b>	<b>3,360,902,559</b>
1.MDAG3X.1.05.09	<b>Excavation -DC- Excavation Pits - Confirmatory Sampling After Excavation</b>										
1.MDAG3X.1.05.09	51 Acre Site Confirmatory Sampling for cleanliness before backfill.	88,862.4	EA	3,798.14	334,122.6	41,072,627.77		55,119.63	536,395,395.77		577,523,143
1.MDAG3X.1.05.09	<b>Total</b>				<b>334,122.6</b>	<b>41,072,627.77</b>		<b>55,119.63</b>	<b>536,395,395.77</b>		<b>577,523,143</b>
1.MDAG3X.1.05.10	<b>Excavation -DC- Excavation Pits - Equipment Decontamination</b>										
1.MDAG3X.1.05.10	Decontamination of equipment.	600.0	hour	287.76	2,256.0	192,767.69		102,667.16			295,435
1.MDAG3X.1.05.10	Swipes	3,000.0	hour	787.76	11,280.0	963,838.47		3,080,014.69			4,043,853
1.MDAG3X.1.05.10	RCT involvement in swipes and decontamination process	300.0	hour	193.88	564.0	48,191.92		51,333.58			99,526
1.MDAG3X.1.05.10	<b>Total</b>				<b>14,100.0</b>	<b>1,204,798.08</b>	<b>3,234,015.42</b>				<b>4,438,814</b>
1.MDAG3X.1.05	<b>Total</b>				<b>50,391,589.5</b>	<b>4,022,832,464.28</b>	<b>927,260,113.75</b>	<b>388,177,901.51</b>	<b>2,472,884,297.52</b>	<b>391,591,476.38</b>	<b>8,202,746,253</b>
1.MDAG3X.1.06	<b>Excavation -DC- Revegetation</b>										
1.MDAG3X.1.06	Seeding, seeding utility mix with Bio-Sol, 0.09 lb. per M.S.F., hydro-seeding	2,222.0	Msf	34.33	1,214.4	89,185.54		41,347.91			130,533
1.MDAG3X.1.06	Hydroseeding materials.	1.0	lsun	2,233,902.00			3,822,472.76				3,822,473
1.MDAG3X.1.06	Broadcasting Mulch and Humate	2,222.0	Msf	34.33	1,214.4	89,185.54		41,347.91			130,533
1.MDAG3X.1.06	Mulch and Humate materials.	1.0	LS	1,002,170.00			1,714,832.40				1,714,832
1.MDAG3X.1.06	<b>Total</b>				<b>2,428.7</b>	<b>178,371.08</b>	<b>5,537,305.16</b>	<b>82,695.83</b>			<b>5,798,372</b>



MDA-G Feasibility Study Update

Project WBS	Activity Description	Takeoff Quantity - Adjusted	Unit	Total Unit Price	Labor Hours	Labor Total - Gross	Material Total - Gross	Equip Total - Gross	Subs Total - Gross	Other Total - Gross	Gross Total Costs
1.MDAG3X.1.07	Excavation, SVE, and Institutional Controls MDA G -DC-Distrib										
1.MDAG3X.1.07	Field Non-Manual - JHRS	10,438,122.0	hour	66.10	10,438,122.0	1,180,603,619.16					1,180,603,619
1.MDAG3X.1.07	Craft Distributable - Labor	13,047,653.0	hour	46.33	13,047,653.0	1,034,360,569.81					1,034,360,570
1.MDAG3X.1.07	Craft Distributable - Materials	13,047,653.0	hour	7.00			156,282,633.34				156,282,633
1.MDAG3X.1.07	<b>Total</b>				<b>23,485,775.0</b>	<b>2,214,964,188.97</b>	<b>156,282,633.34</b>				<b>2,371,246,822</b>
1.MDAG3X.1	<b>Total</b>				<b>75,676,387.8</b>	<b>6,460,273,718.45</b>	<b>1,093,577,180.89</b>	<b>399,798,296.98</b>	<b>3,020,097,869.28</b>	<b>393,603,004.24</b>	<b>11,367,350,070</b>
1.MDAG3X.2	Excavation, SVE, and Institutional Controls MDA G - Indirect Capital Costs										
1.MDAG3X.2.01	Excavation, SVE, and Institutional Controls MDA G -IC-Design										
1.MDAG3X.2.01	Full Excavation Design	1.0	Isum	681,823,108.00					992,666,262.94		992,666,263
1.MDAG3X.2.01	<b>Total</b>										
1.MDAG3X.2.02	Excavation, SVE, and Institutional Controls MDA G -IC-Professional Management										
1.MDAG3X.2.02	Professional Management	1.0	Isum	3,213,604,246.00	32,265,102.9	7,041,423,064.74					7,041,423,065
1.MDAG3X.2.02	<b>Total</b>										
1.MDAG3X.2.03	Excavation, SVE, and Institutional Controls MDA G -IC-Contingency										
1.MDAG3X.2.03	Contingency - Cost 30%	1.0	Isum	5,820,431,819.00	1.0				5,820,431,819.00		5,820,431,819
1.MDAG3X.2.03	Contingency - Schedule 10%	1.0	Isum	1,940,143,939.00	1.0				1,940,143,939.00		1,940,143,939
1.MDAG3X.2.03	Contingency - TPRR 10%	1.0	Isum	1,940,143,939.00	1.0				1,940,143,939.00		1,940,143,939
1.MDAG3X.2.03	<b>Total</b>										
1.MDAG3X.2	<b>Total</b>				<b>32,265,105.9</b>	<b>7,041,423,064.74</b>			<b>992,666,262.94</b>	<b>9,700,719,697.00</b>	<b>17,734,809,025</b>
1.MDAG3X.3	Excavation, SVE, and Institutional Controls MDA G - Direct O&M Costs										
1.MDAG3X.3.01	Excavation, SVE, and Institutional Controls MDA G -DOM-Cover Maintenance & Inspections										
1.MDAG3X.3.01	Active SVE Operation ( 3 years)	1.0	Isum	2,301,191.00	49,669.9	3,350,303.98					3,350,304
1.MDAG3X.3.01	Active SVE Monitoring ( 3 years)	1.0	Isum	329,216.00	4,204.5	479,305.57					479,306
1.MDAG3X.3.01	Rebound SVE Monitoring ( 3 years)	1.0	Isum	666,663.00	14,389.5	970,594.66					970,595
1.MDAG3X.3.01	<b>Total</b>				<b>68,264.0</b>	<b>4,800,204.21</b>					<b>4,800,204</b>
1.MDAG3X.3	<b>Total</b>				<b>68,264.0</b>	<b>4,800,204.21</b>					<b>4,800,204</b>
1.MDAG3X.4	Excavation, SVE, and Institutional Controls MDA G - Indirect O&M Costs										
1.MDAG3X.4.02	Excavation, SVE, and Institutional Controls MDA G-IOM-Professional Management										
1.MDAG3X.4.02	Professional Management (years 0-3)	1.0	Isum	857,238.00	8,606.8	1,878,319.47					1,878,319
1.MDAG3X.4.02	<b>Total</b>					<b>8,606.8</b>	<b>1,878,319.47</b>				<b>1,878,319</b>
1.MDAG3X.4.03	Excavation, SVE, and Institutional Controls MDA G -IOM-Contingency										
1.MDAG3X.4.03	Contingency - Cost 30%	1.0	Isum	2,003,556.90	1.0				2,003,556.90		2,003,557
1.MDAG3X.4.03	Contingency - Schedule 10%	1.0	Isum	667,852.00	1.0				667,852.00		667,852
1.MDAG3X.4.03	Contingency - TPRR 10%	1.0	Isum	667,852.00	1.0				667,852.00		667,852
1.MDAG3X.4.03	<b>Total</b>				<b>3.0</b>				<b>3,339,260.90</b>		<b>3,339,261</b>
1.MDAG3X.4	<b>Total</b>				<b>8,609.8</b>	<b>1,878,319.47</b>				<b>3,339,260.90</b>	<b>5,217,580</b>
1.MDAG3X	<b>Total</b>				<b>108,018,367.5</b>	<b>13,508,375,306.87</b>	<b>1,093,577,180.89</b>	<b>399,798,296.98</b>	<b>4,012,764,132.22</b>	<b>10,097,661,962.14</b>	<b>29,112,176,879</b>
1	<b>Total</b>				<b>109,008,952.0</b>	<b>13,645,792,715.92</b>	<b>1,176,549,358.08</b>	<b>414,396,158.01</b>	<b>4,044,197,700.93</b>	<b>10,230,872,467.14</b>	<b>29,511,808,400</b>
	<b>Grand Total</b>				<b>109,008,952.0</b>	<b>13,645,792,715.92</b>	<b>1,176,549,358.08</b>	<b>414,396,158.01</b>	<b>4,044,197,700.93</b>	<b>10,230,872,467.14</b>	<b>29,511,808,400</b>