

CODE	DESCRIPTION	UNITS	QTY	COST PER UNIT			EXTENDED COSTS			TOTAL
				LABOR	MATERIAL	EQUIP	LABOR	MATERIAL	EQUIP	
1100	<b>EARTHWORK</b>									
1100-01	<b>EXCAVATION</b>									
	Wall "A" & "C" left side rear driveway, excavating continuous footing, heavy soil w/backhoe, 1/2 cy, 1' to 6' deep, no sheeting or dewatering.	CY	106.60	\$ 6.96		\$ 8.75	\$ 741.94	\$ 932.75	\$ 1,674.69	
	Wall "B" Right side rear driveway, excavating continuous footing, heavy soil w/backhoe, 1/2 cy, 1' to 4' deep, no sheeting or dewatering.	CY	58.66	\$ 5.62		\$ 8.75	\$ 329.67	\$ 513.28	\$ 842.94	
	Wall "D"& "E" left side of main driveway, excavating continuous footing, heavy soil w/backhoe, 1/2 cy, 1' to 4' deep, no sheeting or dewatering.	CY	92.88	\$ 5.62		\$ 8.75	\$ 521.99	\$ 812.70	\$ 1,334.69	
	Wall "F" Walls at guest house, excavating continuous footing, heavy soil w/backhoe, 1/2 cy, 1' to 6' deep, no sheeting or dewatering.	CY	13.19	\$ 6.96		\$ 8.75	\$ 91.80	\$ 115.41	\$ 207.21	
	Wall "G" & "H" flared walls excavating continuous footing, heavy soil w/backhoe, 1/2 cy, 1' to 3' deep, no sheeting or dewatering.	CY	17.52	\$ 5.62		\$ 8.75	\$ 98.46	\$ 153.30	\$ 251.76	
	Front and rear driveway, excavating on 0 to 1 slope, heavy soil w/skid loader, 3/4 cy, 12" deep, no sheeting or dewatering, 17,630 sf	CY	653.00	\$ 3.81		\$ 1.76	\$ 2,487.93	\$ 1,149.28	\$ 3,637.21	
1100-02	<b>GRADING</b>									
	Front and rear driveway, cut and fill to 6", w/skid loader, 17,630 sf	CY	326.48	\$ 5.78		\$ 1.76	\$ 1,887.05	\$ 574.60	\$ 2,461.66	
	Rear yard patios and decks, cut and fill to 6", w/skid loader, 6,848 sf	CY	126.81	\$ 5.78		\$ 1.76	\$ 732.96	\$ 223.19	\$ 956.15	
1100-03	<b>COMPACT AND FILL</b>									
	Front and rear driveway, compacting 6" with Class 2 aggregate base material, skid loader, 11,405 sf	CY	211.2	\$ 2.91	\$ 26.50	\$ 1.76	\$ 614.59	\$ 5,596.80	\$ 371.71	\$ 6,583.10
	Backfill retaining walls, common soil	CY	165.67	\$ 2.91		\$ 1.76	\$ 482.10	\$ 291.58	\$ 773.68	
	Compacting top of retaining walls in 6" layers with jumping jack tamper, 18" wide by 24" deep	SF	2013	\$ 1.31			\$ 2,637.03		\$ 2,637.03	
1100-04	<b>EXPORTING OF EXCESS SOIL</b>									
	Machine load 10 cy dump truck	CY	279	\$ 28.72			\$ 8,012.88		\$ 8,012.88	
	Haul material, 10 cy dump truck, round trip 20 mile	CY	279	\$ 11.30			\$ 3,152.70		\$ 3,152.70	
	Dump fees	CY	97	\$ 9.50			\$ 921.50		\$ 921.50	
1132	<b>CONCRETE</b>									
1132-02	<b>FORMWORK FOOTINGS, RETAINING WALLS</b>									
	Wall "A" & "C" left side rear driveway, formwork,	SF	660.00	\$ 5.83	\$ 1.33		\$ 3,847.80	\$ 877.80	\$ 4,725.60	
	Wall "F" Walls at guest house,	SF	120.00	\$ 5.83	\$ 1.33		\$ 699.60	\$ 159.60	\$ 859.20	
	Wall "G" & "H" flared walls	SF	206.50	\$ 5.83	\$ 1.33		\$ 1,203.90	\$ 274.65	\$ 1,478.54	
1132-03	<b>REINFORCEMENT FOOTINGS, RETAINING WALLS</b>									
	Wall "A" & "C" left side rear driveway, rebar reinforcement, #4,#5,#6, & #8 grade 60 rebar.	TON	12.40	\$1,499.78	\$ 1,142.34		\$ 18,597.27	\$ 14,165.02	\$ 32,762.29	
	Wall "B" Right side rear driveway, rebar reinforcement #4,#5, & #6 grade 60 rebar.	TON	12.79	\$1,328.65	\$ 968.82		\$ 16,993.43	\$ 12,391.21	\$ 29,384.64	
	Wall "D"& "E" left side of main driveway rebar reinforcement, #4,#5,#6,#7 & #8 grade 60 rebar.	TON	25.12	\$1,499.78	\$ 1,142.34		\$ 37,674.47	\$ 28,695.58	\$ 66,370.05	
	Wall "F" Walls at guest house, rebar reinforcement #4,#5,#6, & #7 grade 60 rebar.	TON	1.81	\$1,328.65	\$ 968.82		\$ 2,404.86	\$ 1,753.56	\$ 4,158.42	
	Wall "G" & "H" flared walls, rebar reinforcement, #3,#4, & #5 grade 60 rebar.	TON	1.95	\$1,499.78	\$ 1,142.34		\$ 2,924.57	\$ 2,227.56	\$ 5,152.13	
1132-05	<b>PLACING CONCRETE, FOOTINGS, RETAINING WALLS</b>									
	Wall "A" & "C" left side rear driveway, placing 2500 psi concrete by pump.	CY	77.43	\$ 126.95	\$ 59.53		\$ 9,829.74	\$ 4,609.41	\$ 14,439.15	
	Wall "B" Right side rear driveway, placing 2500 psi concrete by pump.	CY	53.38	\$ 126.95	\$ 59.53		\$ 6,776.59	\$ 3,177.71	\$ 9,954.30	
	Wall "D"& "E" left side of main driveway, placing 2500 psi concrete by pump.	CY	83.59	\$ 126.95	\$ 59.53		\$ 10,611.75	\$ 4,976.11	\$ 15,587.86	
	Wall "F" Walls at guest house, placing 2500 psi concrete by pump.	CY	13.19	\$ 126.95	\$ 59.53		\$ 1,674.47	\$ 785.20	\$ 2,459.67	
	Wall "G" & "H" flared walls, placing 2500 psi concrete by pump.	CY	14.76	\$ 126.95	\$ 59.53		\$ 1,873.78	\$ 878.66	\$ 2,752.44	
1132-11	<b>PLACING CONCRETE, SLAB ON GRADE, STANDARD GREY COLOR</b>									
	Front & rear driveway, place concrete slab o grade, 4" thick, 2500 psi by pump, standard grey color.	CY	31.58	\$ 33.74	\$ 125.87		\$ 1,065.51	\$ 3,974.97	\$ 5,040.48	
	Reinforcing slab, # 4 grade 40 rebar, 16" O.C.	TON	1.53	\$1,132.56	\$ 1,142.34		\$ 1,732.82	\$ 1,747.78	\$ 3,480.60	
	Concrete finishing, float.	SF	2374	\$ 0.78			\$ 1,851.72		\$ 1,851.72	
	Rear yard patios and decks, place concrete slab o grade, 4" thick, 2500 psi by pump, standard grey color.	CY	92.16	\$ 33.74	\$ 125.87		\$ 3,109.48	\$ 11,600.18	\$ 14,709.66	
	Reinforcing slab, # 4 grade 40 rebar, 16" O.C.	TON	4.38	\$1,132.56	\$ 1,142.34		\$ 4,960.61	\$ 5,003.45	\$ 9,964.06	
	Concrete finishing, float.	SF	6848	\$ 0.78			\$ 5,341.44		\$ 5,341.44	
1132-14	<b>PLACING CONCRETE, SLAB ON GRADE, COLORED CONCRETE, SAND FINISH.</b>									
	Front & rear driveway, place concrete slab o grade, 5 1/2" thick, 2500 psi by pump, standar colored concrete.	CY	104.76	\$ 33.74	\$ 156.35		\$ 3,534.60	\$ 16,379.23	\$ 19,913.83	
	Reinforcing slab, # 4 grade 40 rebar, 12" O.C.	TON	6.19	\$1,505.56	\$ 1,142.34		\$ 9,319.42	\$ 7,071.08	\$ 16,390.50	
	Concrete finishing, steel float, sand finish.	SF	7121	\$ 1.89	\$ 0.32		\$ 13,458.69	\$ 2,278.72	\$ 15,737.41	

1140	MASONRY								
1140-02	<b>CMU LIGHT WEIGHT, MORTAR AND GROUT, RETAINING WALLS.</b> Wall "A" & "C" left side rear driveway 8" x 8" x 16" CMU normal weight, mortar and 2500 psi concrete grouting. 12" x 8" x 16" CMU normal weight, mortar and 2500 psi concrete grouting. 16" x 8" x 16" CMU normal weight, mortar and 2500 psi concrete grouting. Wall "B" Right side rear driveway, 8" x 8" x 16" CMU normal weight, mortar and 2500 psi concrete grouting. 12" x 8" x 16" CMU normal weight, mortar and 2500 psi concrete grouting. Wall "D" & "E" left side of main driveway, 8" x 8" x 16" CMU normal weight, mortar and 2500 psi concrete grouting. 12" x 8" x 16" CMU normal weight, mortar and 2500 psi concrete grouting. Wall "F" Walls at guest house, 8" x 8" x 16" CMU normal weight, mortar and 2500 psi concrete grouting. 12" x 8" x 16" CMU normal weight, mortar and 2500 psi concrete grouting. 16" x 8" x 16" CMU normal weight, mortar and 2500 psi concrete grouting. Wall "G" & "H" flared walls 8" x 8" x 16" CMU normal weight, mortar and 2500 psi concrete grouting. 12" x 8" x 16" CMU normal weight, mortar and 2500 psi concrete grouting.	SF	926	\$ 4.97	\$ 3.89	\$ 4,602.22	\$ 3,602.14	\$ 8,204.36	
		SF	1124	\$ 5.39	\$ 4.37	\$ 6,058.36	\$ 4,911.88	\$ 10,970.24	
		SF	700	\$ 5.92	\$ 5.87	\$ 4,144.00	\$ 4,109.00	\$ 8,253.00	
		SF	1054	\$ 4.97	\$ 3.89	\$ 5,238.38	\$ 4,100.06	\$ 9,338.44	
		SF	529	\$ 5.39	\$ 4.37	\$ 2,851.31	\$ 2,311.73	\$ 5,163.04	
		SF	1317	\$ 4.97	\$ 3.89	\$ 6,545.49	\$ 5,123.13	\$ 11,668.62	
		SF	1178	\$ 5.39	\$ 4.37	\$ 6,349.42	\$ 5,147.86	\$ 11,497.28	
		SF	170	\$ 4.97	\$ 3.89	\$ 844.90	\$ 661.30	\$ 1,506.20	
		SF	182	\$ 5.39	\$ 4.37	\$ 980.98	\$ 795.34	\$ 1,776.32	
		SF	42	\$ 5.92	\$ 5.87	\$ 248.64	\$ 246.54	\$ 495.18	
		SF	407	\$ 4.97	\$ 3.89	\$ 2,022.79	\$ 1,583.23	\$ 3,606.02	
		SF	303	\$ 5.39	\$ 4.37	\$ 1,633.17	\$ 1,324.11	\$ 2,957.28	
1140-03	<b>MASONRY PLASTER, RETAINING WALLS .</b> Walls "A", "B", "C", "D", "E", "F", "G" & "H". Parging, portland cement plaster, 1 coats 1/4 " thick.	SF	8328	\$ 3.93	\$ 0.35	\$ 32,729.04	\$ 2,914.80	\$ 35,643.84	
1140-06	<b>STONE VENEER, RETAINING WALLS.</b> Wall "A" & "C" left side rear driveway, stone set with mortar, one side, includes scaffolding. Wall "B" Right side rear driveway, stone set with mortar, one side, includes scaffolding. Wall "D" & "E" left side of main driveway, stone set with mortar, one side, includes scaffolding. Wall "F" Walls at guest house, stone set with mortar, one side, includes scaffolding.	SF	2887	\$ 23.85	\$ 20.21	\$ 68,854.95	\$ 58,346.27	\$ 127,201.22	
		SF	1663	\$ 23.85	\$ 20.21	\$ 39,662.55	\$ 33,609.23	\$ 73,271.78	
		SF	2620	\$ 23.85	\$ 20.21	\$ 62,487.00	\$ 52,950.20	\$ 115,437.20	
		SF	418	\$ 23.85	\$ 20.21	\$ 9,969.30	\$ 8,447.78	\$ 18,417.08	
1140-07	<b>COLORED STUCCO, RETAINING WALLS.</b> Wall "G" & "H" flared walls, smooth finish stucco, one coat 1/16" thick.	SF	759	\$ 3.93	\$ 3.27	\$ 2,982.87	\$ 2,481.93	\$ 5,464.80	
1140-11	<b>STONE PAVING</b> Front & rear driveway, 4" x 4", 2 1/4 inches thick porphyry granite pavers set on mortar bed includes grout. Rear yard patios and decks, 4" x 4", 2 1/4 inches thick porphyry granite pavers set on mortar bed includes grout. Guest house on grade decks, random rectangular, 1 1/2 inches thick bluestone pavers set on mortar bed includes grout. Rear yard patios and deck bands, 18" x 10", 1 1/2 inches thick bluestone pavers set on mortar bed includes grout.	SF	9495	\$ 16.84	\$ 13.64	\$ 159,895.80	\$ 129,511.80	\$ 289,407.60	
		SF	5558	\$ 16.84	\$ 13.64	\$ 93,596.72	\$ 75,811.12	\$ 169,407.84	
		SF	949	\$ 14.77	\$ 12.55	\$ 14,016.73	\$ 11,909.95	\$ 25,926.68	
		SF	341	\$ 14.77	\$ 13.33	\$ 5,036.57	\$ 4,545.53	\$ 9,582.10	
2400	<b>WATERPROOFING</b>								
2400-01	<b>ELASTOMERIC MEMBRANE, RETAINING WALLS</b> Walls "A", "B", "C", "D", "E", "F", "G" & "H". Elastomeric-butyl membrane, 1/16" thick.	SF	7138	\$ 1.97	\$ 1.63	\$ 14,061.86	\$ 11,634.94	\$ 25,696.80	
3001	<b>SITE DRAINAGE</b>								
3001-22	<b>SITE 4" PVC DRAINS</b> 4" solid PVC lines for surface drains. PVC pipe, SDR35, 4", 90 deg elbow. PVC pipe, SDR35, 4", 45 deg elbow. PVC pipe, SDR35, 4", coupling. PVC pipe, SDR35, 4", tee. PVC pipe, SDR35, 4", catch basin. PVC pipe, 4", solid brass grate with PVC collar.	LF	1520	\$ 8.44	\$ 6.43	\$ 12,828.80	\$ 9,773.60	\$ 22,602.40	
		EA	18	\$ 28.84	\$ 8.74	\$ 519.12	\$ 157.32	\$ 676.44	
		EA	7	\$ 28.84	\$ 11.23	\$ 201.88	\$ 78.61	\$ 280.49	
		EA	12	\$ 28.84	\$ 7.97	\$ 346.08	\$ 95.64	\$ 441.72	
		EA	4	\$ 33.22	\$ 12.56	\$ 132.88	\$ 50.24	\$ 183.12	
		EA	9	\$ 36.19	\$ 14.98	\$ 325.71	\$ 134.82	\$ 460.53	
		EA	9	\$ 24.75	\$ 19.56	\$ 222.75	\$ 176.04	\$ 398.79	
3001-23	<b>SITE 6" PVC DRAINS</b> Installation of 6" solid PVC lines for surface drains. PVC pipe, SDR35, 6", 1/4 bend. PVC pipe, SDR35, 6", 1/8 bend. PVC pipe, SDR35, 6", wye. PVC pipe, SDR35, 6", catch basin. PVC pipe, 6", solid brass grate with PVC collar.	LF	407	\$ 16.87	\$ 11.58	\$ 6,866.09	\$ 4,713.06	\$ 11,579.15	
		EA	4	\$ 24.21	\$ 67.66	\$ 96.84	\$ 270.64	\$ 367.48	
		EA	3	\$ 24.21	\$ 56.25	\$ 72.63	\$ 168.75	\$ 241.38	
		EA	2	\$ 43.75	\$ 67.40	\$ 87.50	\$ 134.80	\$ 222.30	
		EA	3	\$ 49.77	\$ 27.33	\$ 149.31	\$ 81.99	\$ 231.30	
		EA	3	\$ 24.75	\$ 44.95	\$ 74.25	\$ 134.85	\$ 209.10	
3001-24	<b>SITE 8" PVC DRAINS</b> Installation of 8" solid PVC lines for surface drains.	LF	99	\$ 22.50	\$ 16.92	\$ 2,227.50	\$ 1,675.08	\$ 3,902.58	

	PVC pipe, SDR35, 8", 45 deg elbow.	EA	3	\$ 54.55	\$ 69.77		\$ 163.65	\$ 209.31	\$ 372.96
	PVC pipe, SDR35, 8", wye.	EA	2	\$ 59.99	\$ 84.34		\$ 119.98	\$ 168.68	\$ 288.66
3001-27	<b>SITE RAIN GUTTER TIE-INS</b> Main house and guest house, 3x 3x 4 downspout adapter.	EA	32	\$ 33.22	\$ 10.99		\$ 1,063.04	\$ 351.68	\$ 1,414.72
3001-50	<b>CURB CORING</b> 4" core drilling in concrete curb	EA	6	\$ 44.00			\$ 264.00		\$ 264.00
3002	<b>SUB-DRAINS &amp; GRAVEL, RETAINING WALLS</b>								
3002-01	<b>SUBDRAINS,PERFORATED RIGID PVC PIPE</b> Walls "A", "C", "D", "E", "G" & "H". Perforated rigid PVC underdrain line, 4" pipe	LF	1062	\$ 4.39	\$ 2.11		\$ 4,662.18	\$ 2,240.82	\$ 6,903.00
3002-03	<b>FILTER FABRIC</b> Walls "A", "C", "D", "E", "G" & "H". Plastic filter fabric wrapped around 4" PVC pipe.	SF	1275	\$ 0.48	\$ 0.18		\$ 612.00	\$ 229.50	\$ 841.50
3002-04	<b>GRAVEL FILL, 3/4" ROCK</b> Walls "A", "C", "D", "E", "G" & "H". One sq ft gravel fill, crushed 3/4" rock around 4" PVC pipe.	CY	47.22	\$ 65.82	\$ 37.85		\$ 3,108.02	\$ 1,787.28	\$ 4,895.30
5000	<b>SCAFFOLDING</b>								
5000-12	Scaffolding, 7' x 5' sections, avg 25' long by 12' high, walls only.	DAY	56	\$ 7.33			\$ 410.48		\$ 410.48

<b>SUB TOTAL</b>							<b>\$ 761,566.86</b>	<b>\$ 577,336.86</b>	<b>\$ 5,137.80</b>
<b>SUB TOTAL</b>							<b>\$ 1,344,041.53</b>		

<b>OVERHEAD</b>	3%	3%	3%
	\$ 22,847.01	\$ 17,320.11	\$ 154.13
<b>PROFIT</b>	7%	7%	7%
	\$ 53,309.68	\$ 40,413.58	\$ 359.65

<b>TOTAL ESTIMATE INCLUDING Overhead &amp; Profit</b>	<b>\$ 1,478,445.68</b>
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