



Solifier LLC, 5900
Balcones Drive # 17035,
Austin Texas USA 78731

DATE		PROJECT NAME	PROJECT LOCATION		
LINE NO.	CSI DIV.	DESCRIPTION	MATERIAL COST	LABOR COST	TOTAL COST
		BASE BID			
1		BUILDING CONCRETE	\$ 466,625	\$ 623,536	\$ 1,090,162
2		SITE WORK	\$ 175,084	\$ 742,226	\$ 917,310
		TOTAL PROJECT COST			\$ 2,007,471
		ALTERNATE			
3		ALTERNATE #1	\$ -	\$ 4,687	\$ 4,687

CONSTRUCTION COST ESTIMATE BREAKDOWN

CONTRACTOR					ADDRESS									
					TOTAL MATERIAL COST					\$ 336,004				
					TOTAL LABOR COST					\$ 436,956				
					SUBTOTAL					\$ 772,960				
					SALES TAX			6.25%		\$ 21,000				
					LABOR BURDEN			10.00%		\$ 43,696				
					OVERHEAD & PROFIT			25.00%		\$ 193,240				
					BONDING			2.00%		\$ 20,618				
					CONTINGENCY / WASTAGE			5.00%		\$ 38,648				
					PROPOSED PROJECT AMOUNT					\$ 1,090,162				
					TOTAL MANHOURS					5588.98				
DATE		PROJECT NAME			SCOPE OF WORK			PROJECT LOCATION						
LINE NO.	DWG REF./CSI SEC.	ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	MATERIAL		LABOR					LINE TOTAL	TRADE TOTAL W/ S.TAX, O&P	
					UNIT PRICE	TOTAL COST	UNIT LABOR HOUR	LABOR HOURS	LABOR RATE	UNIT PRICE	TOTAL COST			
DIV. 01		GENERAL REQUIREMENTS	SUBTOTAL MATERIAL		\$ -		SUBTOTAL LABOR					\$ 60,000	\$ 60,000	\$ 85,620
1		PERMITS, SITE SUPERVISION, FINAL CLEANUP & DUMPSTER	LS	1							\$60,000.00	\$60,000.00	\$60,000.00	
DIV. 03		CONCRETE	SUBTOTAL MATERIAL		\$ 336,004		SUBTOTAL LABOR					\$ 376,956	\$ 712,960	\$ 1,004,542
		SLAB ON GRADE												
2	S100, S200	4" THK. NORMAL WEIGHT CONCRETE SLAB ON GRADE OVER 10 MIL POLYETHYLENE VAPOR BARRIER, REINFORCED W/ 6x6 W2.9xW2.9 W.W.F. AT MID DEPTH	SF	563	\$1.88	\$1,058.26	0.068	38.11	\$63.45	\$4.30	\$2,418.09	\$3,476.35		
3		12" THK. SLAB ON GRADE W/ #4 BARS @ 12" O.C. EACHWAY	SF	38	\$5.25	\$201.88	0.076	2.93	\$63.45	\$4.83	\$185.73	\$387.61		
4		28" MAT SLAB REINFORCEMENT W/ #5 @12" TOP & BOTTOM INNER AND OUTER LAYER	SF	11749	\$11.56	\$135,821.21	0.170	1993.12	\$63.45	\$10.76	\$126,461.26	\$262,282.47		
5		12" THK. ELEVATOR MAT SLAB REINFORCEMENT W/ #5 @12" O.C. TOP & BOTTOM INNER LAYER	SF	90	\$5.25	\$471.88	0.076	6.84	\$63.45	\$4.83	\$434.14	\$906.03		
6		8" THK. ELEVATOR PIT SLAB REINFORCEMENT W/ #5 @12" O.C. TOP & BOTTOM INNER LAYER	SF	4	\$3.64	\$14.56	0.074	0.30	\$63.45	\$4.71	\$18.85	\$33.41		
		CONTROL JOINTS												
7	S200	CONTROL JOINTS AT SLAB ON GRADE	LF	57	\$0.85	\$48.22	0.040	2.28	\$71.22	\$2.85	\$162.38	\$210.61		
		GYPCRETE TOPPING												
8	A102, A105	3/4" GYPCRETE UNDERLAYMENT	SF	38949	\$1.01	\$39,260.86	0.020	778.99	\$73.53	\$1.47	\$57,275.52	\$96,536.39		
9		1" GYPCRETE UNDERLAYMENT	SF	5558	\$1.31	\$7,253.62	0.020	111.17	\$73.53	\$1.47	\$8,173.61	\$15,427.23		
10		6'-4"W x 1'-0"D x 7"H CONCRETE TOPPING AT METAL STAIRS STEPS: 8	SF	51	\$3.67	\$185.95	0.186	9.42	\$73.53	\$13.68	\$692.54	\$878.49		
		THICKENED EDGE												
11	S100	CONCRETE THICKENED EDGE W/ #4 BARS @ 12" O.C.	CY	1.0	\$245.80	\$235.78	5.254	5.04	\$67.82	\$356.35	\$341.83	\$577.61		
		SLAB EDGE												
12	S100	11" x 1'-8"H THICKENED EDGE CONCRETE SLAB W/ #5 BARS @ 12" O.C. EACHWAY	CY	0.5	\$245.80	\$111.89	5.254	2.39	\$67.82	\$356.35	\$162.22	\$274.11		
		WALL FOOTINGS												
13	S100	2'-0"W x 1'-0" CONTINUOUS FOOTING W/ - 2 #5 BARS CONTINUOUS BARS	CY	3.4	\$245.80	\$846.64	5.254	18.10	\$67.82	\$356.35	\$1,227.41	\$2,074.06		
		FOUNDATION WALL												
14		8" THK. CONCRETE WALL & CURB @ 5'-6" HT W/ - #4 BARS @ 12" O.C. HORIZONTALLY AND VERTICALLY - #4 DOWELS @ 12" O.C. - 2x4 CONTINUOUS KEYWAY W/ WATERSTOP	CY	164.2	\$290.20	\$47,658.43	4.601	755.53	\$73.45	\$337.89	\$55,490.45	\$103,148.88		

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					UNIT PRICE	TOTAL COST	UNIT LABOR HOUR	LABOR HOURS	LABOR RATE	UNIT PRICE	TOTAL COST		
15	S100	8" THK. CONCRETE WALL - #4 HORIZONTAL BARS @ 12" O.C. - #5 VERTICAL BARS @ 12" O.C. - #5 DOWELS @ 12" O.C. - 2x4 CONTINUOUS KEYWAY W/ WATERSTOP	CY	39.3	\$290.20	\$11,393.09	4.601	180.62	\$73.45	\$337.89	\$13,265.39	\$24,658.49	
STEM WALL													
16	S100	12"W x 2'-8"H CONCRETE STEM WALL - #4 BARS @ 12" O.C. EACHWAY - 2x4 CONTINUOUS KEYWAY W/ WATERSTOP	CY	3.2	\$290.20	\$918.33	4.601	14.56	\$73.45	\$337.89	\$1,069.24	\$1,987.57	
CONCRETE BEAM OVER OPENING													
17	S100	8" x 1'-8"H CONCRETE BEAM W/ - (2) #4 TOP BARS - (2) #6 BOTTOM BARS - #3 STIRRUPS @ 6" O.C.	CY	3.6	\$277.52	\$1,000.54	8.606	31.03	\$69.96	\$602.09	\$2,170.75	\$3,171.28	
18		8" x 1'-5"H CONCRETE BEAM W/ - (2) #4 TOP BARS - (2) #6 BOTTOM BARS - #3 STIRRUPS @ 6" O.C.	CY	3.2	\$277.52	\$880.09	8.606	27.29	\$69.96	\$602.09	\$1,909.43	\$2,789.52	
PIERS FOOTINGS													
19	S100	F3.0: 3'-0" x 3'-0" x 1'-0"D ISOLATED FOOTING W/ - (4) #4 BARS EACHWAY	CY	0.7	\$241.22	\$160.81	5.883	3.92	\$69.96	\$411.55	\$274.37	\$435.18	
CONCRETE PIERS													
20	S100	P1: 12"x12" CONCRETE PIERS W/ - (4) # VERTICAL BARS - #3 TIES @ 8" O.C.	CY	0.2	\$761.18	\$169.15	5.997	1.33	\$67.82	\$406.71	\$90.38	\$259.53	
WIRE MESH													
21	S100, S200	6x6 W2.9xW2.9 W.W.F. AT MID DEPTH ON SLAB	SF	563	\$0.45	\$253.35	0.004	2.25	\$84.07	\$0.34	\$189.33	\$442.68	
REINFORCEMENT													
22	S100	#5 BARS AT SLAB ON GRADE	LBS	25272	\$0.72	\$18,195.69	0.009	227.45	\$52.42	\$0.47	\$11,922.91	\$30,118.59	
23		#4 BARS AT SLAB ON GRADE	LBS	115	\$0.68	\$77.87	0.010	1.15	\$52.42	\$0.52	\$60.48	\$138.35	
24		#4 BARS AT CONCRETE WALLS	LBS	9299	\$0.68	\$6,276.90	0.010	92.99	\$52.42	\$0.52	\$4,874.67	\$11,151.57	
25		#5 BARS AT CONCRETE WALLS	LBS	2047	\$0.72	\$1,473.71	0.009	18.42	\$52.42	\$0.47	\$965.66	\$2,439.37	
26		#5 BARS AT CONTINUOUS FOOTING	LBS	98	\$0.72	\$70.54	0.009	0.88	\$52.42	\$0.47	\$46.22	\$116.76	
27		#4 BARS AT PIERS FOOTING	LBS	32	\$0.68	\$21.86	0.010	0.32	\$52.42	\$0.52	\$16.98	\$38.84	
28		#5 BARS AT CONCRETE PIERS	LBS	67	\$0.72	\$48.54	0.009	0.61	\$52.42	\$0.47	\$31.81	\$80.35	
29		#3 TIES AT CONCRETE PIERS	LBS	13	\$0.78	\$10.45	0.011	0.15	\$52.42	\$0.58	\$7.69	\$18.14	
30		#4 BARS AT CONCRETE BEAM	LBS	239	\$0.68	\$161.21	0.010	2.39	\$52.42	\$0.52	\$125.20	\$286.41	
31		#6 BARS AT CONCRETE BEAM	LBS	537	\$0.60	\$323.83	0.008	4.30	\$52.42	\$0.42	\$225.21	\$549.04	
32		#3 STIRRUPS AT CONCRETE BEAM	LBS	536	\$0.78	\$419.68	0.011	5.90	\$52.42	\$0.58	\$309.07	\$728.75	
FORMWORK													
33	S100, S200	FORMWORK REQUIRED	SF	12762	\$1.80	\$22,971.60	0.037	472.19	\$71.22	\$2.64	\$33,630.13	\$56,601.73	

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INSULATION																																																					
34	S100, S200	2" XPS RIGID R-10 INSULATION AT CONCRETE WALLS	SF	5595	\$1.29	\$7,200.77	0.017	95.12	\$61.91	\$1.05	\$5,888.38	\$13,089.14																																									
35		2" R-10 RIGID INSULATION UNDER SLAB	SF	12440	\$1.29	\$16,010.28	0.017	211.48	\$61.91	\$1.05	\$13,092.30	\$29,102.58																																									
WATERPROOFING																																																					
36	S100	BITUMINOUS DAMPROOFING AT CONCRETE WALLS	SF	382	\$1.01	\$385.06	0.024	9.17	\$61.91	\$1.49	\$567.57	\$952.63																																									
37		AIRTIGHT WATERPROOFING AT CONCRETE WALLS	SF	4831	\$0.32	\$1,565.24	0.005	24.16	\$61.91	\$0.31	\$1,495.39	\$3,060.63																																									
VAPOR BARRIER																																																					
38	S100, S200	15 MIL POLYETHYLENE VAPOR BARRIER TAPE JOINTS & PENETRATIONS UNDER SLAB	SF	12440	\$0.30	\$3,694.68	0.012	149.28	\$71.22	\$0.85	\$10,631.87	\$14,326.55																																									
39		COMMERCIAL GRADE CONTINUOUS VAPOR PERMEABLE AIR BARRIER AT CONCRETE WALLS	SF	4831	\$0.30	\$1,434.81	0.012	57.97	\$71.22	\$0.85	\$4,128.82	\$5,563.63																																									
GRANITE CURB																																																					
40	C102, C501	VA-4 GRANITE CURB W/ 6" REVEAL - HIGH EARLY STRENGTH CEMENT CONCRETE - PROP. SAWCUT SEAL W/ IR - PROP. BIT. CONC. TOP COURSE	LF	598	\$8.19	\$4,897.62	0.231	138.14	\$79.40	\$18.34	\$10,967.47	\$15,865.09																																									
SIDEWALK																																																					
41	C102, C501	4" CONCRETE CEMENT CONCRETE SIDEWALK W/ BROOM FINISH - 6" CRUSHED STONE BASE OVER COMPACTED SUBGRADE - PROVIDE 1/2" CONSTRUCTION CONTROL JOINTS - PRVIDE A TOOLED DUMMY JOINT 1/4"Wx1/2"D AS NEEDED TO PROVIDE SYMMETRY	SF	433	\$2.63	\$1,135.84	0.097	41.97	\$64.86	\$6.29	\$2,722.13	\$3,857.97																																									
POROUS CONCRETE																																																					
42	L1, L6	6" STORMCRETE POROUS CONCRETE SIDEWALK BY POROUS TECHNOLOGIES 1.888.357.1161 - 1/8" OPEN JOINT WITH (2) HDPE TAPERED SPACERS PER JOINT - 2" PERMEABLE BASE AGGREGARE: ASTM NO. 8 WASHED CRUSHED STONE SCREEDING COURSE - BIAXIAL GEOGRID-6" BENEATH NO. 8 STONE AND AT BOTTOM OF TRENCH - 1'-10 1/2" PERMEABLE BASE AGGRAGATE: ASTM NO. 57 WASHED CRUSHED STONE RESERVOIR COURSE - COMPACTED SUBGRADE	SF	432	\$3.65	\$1,574.64	0.110	47.52	\$64.86	\$7.13	\$3,081.96	\$4,656.60																																									
CURB																																																					
43	S100	5"x12" CONCRETE CURB/ SLAB EDGE	CY	0.4	\$279.00	\$108.50	5.730	2.23	\$67.82	\$388.60	\$151.12	\$259.62																																									

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					UNIT PRICE	TOTAL COST	UNIT LABOR HOUR	LABOR HOURS	LABOR RATE	UNIT PRICE	TOTAL COST			
		DIV. 01 GENERAL REQUIREMENTS	SUBTOTAL MATERIAL		\$ -		SUBTOTAL LABOR					\$ 47,500	\$ 47,500	\$ 67,783
1		PERMITS, SITE SUPERVISION, FINAL CLEANUP & DUMPSTER	LS	1							\$47,500.00	\$47,500.00	\$47,500.00	
		DIV. 32 EXTERIOR IMPROVEMENTS	SUBTOTAL MATERIAL		\$ 103,712		SUBTOTAL LABOR					\$ 443,819	\$ 547,531	\$ 777,360
		BUILDING STONE/GRAVEL												
2	S102	12" GRAVEL OR CRUSHED STONE UNDER SLAB ON GRADE OVER FILTER FABRIC	SF	12440	\$1.04	\$12,875.40	0.022	273.68	\$56.41	\$1.24	\$15,439.38	\$28,314.78		
		DEMOLITION												
3	C101	REMOVE EXISITNG CONCRETE CURB	LF	44			0.185	8.19	\$56.41	\$10.44	\$461.92	\$461.92		
4		REMOVE EXISITNG CONCRETE PORCH W/ ASSOCIATED ASSEMBLY	SF	137			0.025	3.43	\$56.41	\$1.41	\$193.22	\$193.22		
5		REMOVE EXISTING CONCRETE LANDING	SF	118			0.025	2.96	\$56.41	\$1.41	\$166.75	\$166.75		
6		REMOVE EXISTING CONCRETE STEPS	EA	40			0.125	5.00	\$56.41	\$7.05	\$282.07	\$282.07		
7		REMOVE EXISTING EDGE OF BIT DRIVEWAY	SF	179			0.025	4.48	\$56.41	\$1.41	\$252.59	\$252.59		
8		REMOVE EXISTING TREES	EA	2			2.425	4.85	\$56.41	\$136.80	\$273.61	\$273.61		
9		REMOVE EXISTING 2-STORY WOOD DWELLING UNITS (4 LOC)	CF	62150			0.002	124.30	\$126.00	\$0.25	\$15,661.82	\$15,661.82		
10		REMOVE EXISTING SHED AREA: 145 SF	SF	145			3.625	525.63	\$56.41	\$204.50	\$29,652.61	\$29,652.61		
11		REMOVE EXISTING TRAILER (1 LOC) AREA: 225 SF	SF	225			5.625	1265.63	\$56.41	\$317.33	\$71,398.97	\$71,398.97		
12		REMOVE EXISTING DOGHOUSE AREA: 20 SF	CF	200			0.500	100.00	\$56.41	\$28.21	\$5,641.40	\$5,641.40		
13	REMOVE EXISTING CONCRETE BULKHEAD AND STEPS AREA: 36 SF	SF	36			0.900	32.40	\$56.41	\$50.77	\$1,827.81	\$1,827.81			
14	REMOVE EXISTING CONCRETE DECK AREA: 111 SF	SF	111			0.065	7.22	\$56.41	\$3.67	\$407.03	\$407.03			
		CONSTRUCTION ENTRANCE												
15	C101, C502	NEW CONSTRUCTION ENTRANCE - SIZE: 25'-0"x12'-0"x0'-6" THK - FILTER FABRIC: MIRAFI 600X OR APPROVED EQUAL	SF	300	\$1.13	\$337.50	0.042	12.60	\$56.41	\$2.37	\$710.82	\$1,048.32		
		CONSTRUCTION FENCE/ EROSION CONTROL												
16	C101, C502	NEW CONSTRUCTION FABRIC FENCE @5'-0" HT W/ - LINE POST 2 3/8" DIA @10'-0" C.C. - EXPANSION SLEEVE - CHAIN LINK FABRIC (2 1/2" MESH) - BAR BANDS @12" INTERVALS - TURNBUCKLE (6" TAKUP) - END POST 3" DIA W/ END POST CAP - TOP RAIL 1 3/4" DIA - INSTALL 3 VARBED WIRES W/ 45 DEGREE - WITH EROSION CONTROL BARRIER	LF	520	\$11.03	\$5,733.00	0.143	74.36	\$72.67	\$10.39	\$5,403.61	\$11,136.61		
		WOOD FENCE												

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					UNIT PRICE	TOTAL COST	UNIT LABOR HOUR	LABOR HOURS	LABOR RATE	UNIT PRICE	TOTAL COST		
17		8'-0" H WOOD COMPOSITE FENCE W/ - 1x4 RAIL CAP, WHITE CEDAR, SHOP APPLIED SATIN - 1x4 FASCIA BOARD AT TOP, WHITE CEDAR, SHOP APPLIED SATIN - 2x4 BACKING RAIL AT TOP, WHITE CEDAR, SHOP APPLIED SATIN - 5x5 POST, WHITE CEDAR, SHOP APPLIED SATIN - 1x5 V-GROOVE BOARDS, WHITE CEDAR, SHOP APPLIED SATIN - 2x4 BACKING RAIL AT BOTTOM, WHITE CEDAR, SHOP APPLIED SATIN - 1x4 FASCIA BOARD AT BOTTOM, WHITE CEDAR, SHOP APPLIED SATIN - 2" DIA SCHEDULE 40 GALVANIZED PIPE CORE DRILLED INTO FENCE	LF	104	\$16.88	\$1,755.00	0.143	14.87	\$72.67	\$10.39	\$1,080.72	\$2,835.72	
18	L1, L7	6'-0" H WOOD COMPOSITE FENCE W/ - 1x4 RAIL CAP, WHITE CEDAR, SHOP APPLIED SATIN - 1x4 FASCIA BOARD AT TOP, WHITE CEDAR, SHOP APPLIED SATIN - 2x4 BACKING RAIL AT TOP, WHITE CEDAR, SHOP APPLIED SATIN - 5x5 POST, WHITE CEDAR, SHOP APPLIED SATIN - 1x5 V-GROOVE BOARDS, WHITE CEDAR, SHOP APPLIED SATIN - 2x4 BACKING RAIL AT BOTTOM, WHITE CEDAR, SHOP APPLIED SATIN - 1x4 FASCIA BOARD AT BOTTOM, WHITE CEDAR, SHOP APPLIED SATIN - 2" DIA SCHEDULE 40 GALVANIZED PIPE CORE DRILLED INTO FENCE	LF	169	\$16.88	\$2,851.88	0.143	24.17	\$72.67	\$10.39	\$1,756.17	\$4,608.05	
FOOTING													
19		12" CONCRETE SONO TUBE FOOTING TO FROST	CY	3.0	\$273.80	\$813.00	6.415	19.05	\$69.96	\$448.80	\$1,332.64	\$2,145.64	
EXCAVATION													
20		EXCAVATION PROVIDED FOR FOOTING	CY	3.0			1.189	3.53	\$56.41	\$67.05	\$199.10	\$199.10	
21		HAULING OFF EXTRA MATERIAL	CY	3.0			0.298	0.88	\$56.41	\$16.78	\$49.83	\$49.83	
GATE													
22	L1, L7	3'-2" W x 8' HT WOOD GATE W/ SELF LATCHING SS HARDWARE AS NOTED BELOW - PROVIDE EMTEK, MODEL HANOVER 510, COLOR: FLAT BLACK US19, SQUARE CORNER KEYED	EA	4	\$166.50	\$666.00	1.725	6.90	\$72.67	\$125.35	\$501.41	\$1,167.41	
GUARDRAIL													
23	L1, L7	42" HT ALUMINUM GUARDRAIL OVER RETAINING WALL	LF	84	\$46.35	\$3,870.23	0.186	15.53	\$84.07	\$15.64	\$1,305.72	\$5,175.94	
SILT SACK													
24	C101, C502	SILT SACK@ 3'-0" O.C. W/ - OPTIONAL OVERFLOW - DUMP LOOPS - 1" REBAR FOR BAG REMOVAL FROM INLET	LF	520	\$2.36	\$1,228.50	0.037	19.24	\$71.22	\$2.64	\$1,370.29	\$2,598.79	
TANK													
25	C103, C501	10'-6"x5'-8" 1000 GAL. LEDGE CONCRETE TANK W/ - 20" DIA CLEANOUT COVER 3 PLACES - 4" DIA INLET RUBBER BOOT W/ CLAMP - 2" DIA INLET RUBBER BOOT W/ CLAMP - 8" DIA INLET RUBBER BOOT W/ CLAMP - TONGUE AND GROOVE JOINT SEALED W/ BUTYL RESIN	EA	4	\$4,365.00	\$17,460.00	66.000	264.00	\$75.59	\$4,988.90	\$19,955.60	\$37,415.60	

CONSTRUCTION COST ESTIMATE BREAKDOWN

CONTRACTOR							ADDRESS							
							TOTAL MATERIAL COST			\$	126,073			
							TOTAL LABOR COST			\$	520,130			
							SUBTOTAL			\$	646,203			
							SALES TAX		6.25%	\$	7,880			
							LABOR BURDEN		10.00%	\$	52,013			
							OVERHEAD & PROFIT		25.00%	\$	161,551			
							BONDING		2.00%	\$	17,353			
							CONTINGENCY / WASTAGE		5.00%	\$	32,310			
							PROPOSED PROJECT AMOUNT			\$	917,310			
							TOTAL MANHOURS				7747.17			
DATE		PROJECT NAME			SCOPE OF WORK		PROJECT LOCATION							
LINE NO.	DWG REF./ CSI SEC.	ITEM DESCRIPTION			UNIT OF MEASURE	QUANTITY	MATERIAL		LABOR			LINE TOTAL	TRADE TOTAL W/ S.TAX, O&P	
						UNIT PRICE	TOTAL COST	UNIT LABOR HOUR	LABOR HOURS	LABOR RATE	UNIT PRICE	TOTAL COST		
TRANSFORMER VAULT														
26	C103	TRANSFORMER VAULT W/ ASSOCIATED PAD & ASSEMBLY			EA	1	\$2,925.00	\$2,925.00	56.000	56.00	\$94.56	\$5,295.57	\$5,295.57	\$8,220.57
MARKING														
27	C103	PROPOSED 12" RAISED CROSSWALK MARKING			LF	112	\$1.08	\$120.96	0.045	5.04	\$59.50	\$2.68	\$299.86	\$420.82
STONE STRIPS														
28	L1, L7	DECORATIVE STONE STRIPS - PROVIDE A SMOOTH, NATURALLY ROUNDED BOTTOM STONE 1.5-2" IN SIZE - 3/16"x4" H PERMALOC EDGE, MILL FINISH: 411 LF - 18" LONG STEEL STAKE: 411 LF - COMPACTED SUBGRADE			SF	551	\$13.95	\$7,686.45	0.540	297.54	\$64.23	\$34.68	\$19,109.86	\$26,796.31
WARNING STRIPS/ RAMP														
29	L1, L7	DETECTABLE WARNING STRIPS AREA			SF	35	\$16.52	\$578.03	0.040	1.40	\$56.41	\$2.26	\$78.98	\$657.00
SIGNAGE														
30	C103	TRAFFIC CONTROL SIGNAGE			EA	4	\$202.50	\$810.00	3.000	12.00	\$56.41	\$169.24	\$676.97	\$1,486.97
ASPHALT REPAIR AND PATCHING														
31	C103	PROVIDE ASPHALT PATCH AND REPAIR WHERE UTILITIES ARE CONNECTING IN THE STREET			SF	222	\$2.57	\$569.43	0.029	6.44	\$139.78	\$4.05	\$899.87	\$1,469.30
ALLOWNACE														
32	C103	PROVIDE ALLOWANCE FOR POLICE DETAILS AT ROAD CROSSING WHILE WORKING			LS	1	\$1,125.00	\$1,125.00	12.250	12.25	\$56.41	\$691.07	\$691.07	\$1,816.07
RETAINING WALL														
33		6'-0" HT CONCRETE RETAINING WALL W/ - SMOOTH AND TROWEL FINISH - 1/2" CHAMFER, BOTH SIDES - EPOXY COATED REBAR 12" O.C. E.W - 4" DIA SCH. 40 PERFORATED DRAIN PIPE - 2"x4" KEY - WASHED 3/4" CRUSHED STONE WRAPPED IN FILTER FABRIC, BOTH SIDES			CY	42.1	\$329.40	\$13,852.37	5.017	210.98	\$73.45	\$368.48	\$15,495.63	\$29,347.99
FOUNDATION														
34	L1, L7	2'-10"x1'-0" CONCRETE FOOTINGS W/ #4 EPOXY COATED REBAR 12" O.C. E.W TYP			CY	23.9	\$273.80	\$6,543.16	6.415	153.30	\$69.96	\$448.80	\$10,725.38	\$17,268.54
FORMWORK														
35		FORMWORK REQUIRED			SF	3192	\$1.80	\$5,745.60	0.037	118.10	\$71.22	\$2.64	\$8,411.48	\$14,157.08
EXCAVATION														
36		EXCAVATION PROVIDED FOR FOOTING			CY	285.5			0.679	193.86	\$56.41	\$38.31	\$10,936.36	\$10,936.36
37		BACKFILL PROVIDED FOR FOOTING			CY	220.0			0.361	79.42	\$56.41	\$20.37	\$4,480.40	\$4,480.40
38		HAULING OFF EXTRA MATERIAL			CY	65.5			0.170	11.14	\$56.41	\$9.59	\$628.23	\$628.23

CONSTRUCTION COST ESTIMATE BREAKDOWN

CONTRACTOR					ADDRESS								
					TOTAL MATERIAL COST						\$ 126,073		
					TOTAL LABOR COST						\$ 520,130		
					SUBTOTAL						\$ 646,203		
					SALES TAX				6.25%		\$ 7,880		
					LABOR BURDEN				10.00%		\$ 52,013		
					OVERHEAD & PROFIT				25.00%		\$ 161,551		
					BONDING				2.00%		\$ 17,353		
					CONTINGENCY / WASTAGE				5.00%		\$ 32,310		
					PROPOSED PROJECT AMOUNT						\$ 917,310		
					TOTAL MANHOURS						7747.17		
DATE		PROJECT NAME			SCOPE OF WORK			PROJECT LOCATION					
LINE NO.	DWG REF./CSI SEC.	ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	MATERIAL		LABOR					LINE TOTAL	TRADE TOTAL W/ S.TAX, O&P
					UNIT PRICE	TOTAL COST	UNIT LABOR HOUR	LABOR HOURS	LABOR RATE	UNIT PRICE	TOTAL COST		
		NOTES: - IF IMPORT PLEASE MAKE SURE THAT THE COST OF STRUCTURAL FILL IS CARRIED UNDER BITUMINOUS ASPHALT, CONCRETE, AND BUILDING. COMMON FILL CAN BE CARRIED IN OTHER AREAS. ALSO PLEASE REMEMBER TO CARRY TRUCKING COSTS. IT COSTS ROUGHLY \$1,300 FOR 1 TRI-AXLE PER DAY THAT CARRIES (20CY). WE SHOULD ASSUME (4) LOADS PER DAY. - IF EXPORT WE WILL ASSUME THAT ALL MATERIAL IS CLEAN. ASSUME THE SAME TRUCKING AS IMPORT, BUT ALSO CARRY A DISPOSAL FEE OF \$10 PER CY.											
	DIV. 33	UTILITIES			SUBTOTAL MATERIAL	\$ 22,361			SUBTOTAL LABOR	\$ 23,064		\$ 45,425	\$ 63,966
		UNDERGROUND PIPING											
50	C103	2" HDPE DRAIN PIPE - CORRUGATED PLASTIC PIPE ASTM F2648	LF	8	\$1.87	\$14.98	0.023	0.18	\$63.01	\$1.42	\$11.34	\$26.32	
51		4" HDPE DRAIN PIPE - CORRUGATED PLASTIC PIPE ASTM F2648	LF	17	\$3.83	\$66.56	0.027	0.47	\$63.01	\$1.70	\$29.60	\$96.16	
52		6" HDPE DRAIN PIPE - CORRUGATED PLASTIC PIPE ASTM F2648	LF	25	\$5.99	\$149.63	0.036	0.90	\$63.01	\$2.27	\$56.71	\$206.33	
53		8" HDPE DRAIN PIPE - CORRUGATED PLASTIC PIPE ASTM F2648	LF	8	\$7.43	\$59.40	0.047	0.37	\$63.01	\$2.93	\$23.44	\$82.84	
54		10" HDPE DRAIN PIPE - CORRUGATED PLASTIC PIPE ASTM F2648	LF	116	\$11.03	\$1,278.90	0.104	12.01	\$63.01	\$6.52	\$756.46	\$2,035.36	
55		DOMESTIC WATER PIPE - 2" CONCRETE LINED DUCTILE IRON PIPE	LF	21	\$33.53	\$693.97	0.185	3.83	\$84.41	\$15.62	\$323.24	\$1,017.20	
56		FIRE WATER PIPE - 6" CONCRETE LINED DUCTILE IRON PIPE	LF	21	\$38.25	\$803.25	0.200	4.20	\$84.41	\$16.88	\$354.51	\$1,157.76	
57		SEWER PIPE LINE - PVC ASTM D3034-SDR 35	LF	24	\$18.90	\$449.82	0.500	11.90	\$77.72	\$38.86	\$924.87	\$1,374.69	
		AREA DRAIN											
58	C103, C501	AREA DRAIN - AREA DRAIN GATE AND FRAME 8" MIN. GRATE BOLTED TO FRAME - CAST IRON DRAIN BUCKET DRAIN AS MANUFACTURED BY JOSAM SERIES 35580 OR EQUAL	EA	9	\$885.84	\$7,972.59	4.785	43.07	\$77.72	\$371.89	\$3,347.01	\$11,319.60	
		MANHOLE											
59	C103, C501	30" DOMESTIC CONCRETE MANHOLE - 24" DIA CAST IRON FRAME AND COVER BRICK - (4) 10" DIA KNOCKOUTS	EA	2	\$1,642.50	\$3,285.00	25.705	51.41	\$75.59	\$1,943.00	\$3,886.00	\$7,171.00	
		CATCH BASIN											
60	C103, C501	CATCH BASIN	EA	2	\$2,677.50	\$5,355.00	49.193	98.39	\$75.59	\$3,718.50	\$7,437.00	\$12,792.00	
		VALVE											
61	C103	WATER GATE VALVE	EA	2	\$405.00	\$810.00	2.125	4.25	\$74.38	\$158.06	\$316.13	\$1,126.13	

CONSTRUCTION COST ESTIMATE BREAKDOWN

CONTRACTOR					ADDRESS								
					TOTAL MATERIAL COST						\$ 126,073		
					TOTAL LABOR COST						\$ 520,130		
					SUBTOTAL						\$ 646,203		
					SALES TAX				6.25%		\$ 7,880		
					LABOR BURDEN				10.00%		\$ 52,013		
					OVERHEAD & PROFIT				25.00%		\$ 161,551		
					BONDING				2.00%		\$ 17,353		
					CONTINGENCY / WASTAGE				5.00%		\$ 32,310		
					PROPOSED PROJECT AMOUNT						\$ 917,310		
					TOTAL MANHOURS						7747.17		
DATE		PROJECT NAME			SCOPE OF WORK			PROJECT LOCATION					
LINE NO.	DWG REF./CSI SEC.	ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	MATERIAL		LABOR					LINE TOTAL	TRADE TOTAL W/ S.TAX, O&P
					UNIT PRICE	TOTAL COST	UNIT LABOR HOUR	LABOR HOURS	LABOR RATE	UNIT PRICE	TOTAL COST		
PAVERS													
39	L1, L6	PERMEABLE PAVERS W/ - PERMEABLE JOINT OPENING AGGREGATE: OPEN-GRADED, CRUSHED, ANGULAR STONE ASTM NO. 8 - PERMEABLE SETTING BED AGGREGARE: OPEN-GRADED, CRUSHED, ANGULAR STONE ASTM NO. 8 - PERMEABLE BASE AGGREGATE: OPEN-GRADED, CRUSHED, ANGULAR STONE ASTM NO. 57 - TRIAXIAL GEOGRID - PERMEABLE SUBBASE AGGREGATE: OPEN-GRADED, CRUSHED, ANGULAR STONE ASTM NO. 2 - MIRAFI 140N FILTER FABRIC - COMPACTED SUBGRADE	SF	2826	\$5.63	\$15,897.94	0.100	282.63	\$62.85	\$6.28	\$17,762.16	\$33,660.10	
UTILITY POLES (FURNISH & INSTALL POLE BASES)													
40		9"DIA X 3'-0"D LIGHT BOLLARD FOOTING OVER COMPCATED GRAVEL BASE POLES: 15	CY	0.7	\$273.80	\$201.50	6.415	4.72	\$69.96	\$448.80	\$330.29	\$531.79	
EARTHWORK													
41		EXCAVATION	CY	0.7			0.679	0.50	\$56.41	\$38.31	\$28.19	\$28.19	
42		HAUL-OFF	CY	0.7			0.170	0.13	\$56.41	\$9.59	\$7.06	\$7.06	
OUTDOOR POWER STATION													
43		10"DIA X 4'-0"D LIGHT BOLLARD FOOTING OVER COMPCATED GRAVEL BASE NO: 3	CY	0.2	\$273.80	\$65.81	6.415	1.54	\$69.96	\$448.80	\$107.87	\$173.68	
EARTHWORK													
44		EXCAVATION	CY	0.2			0.679	0.16	\$56.41	\$38.31	\$9.21	\$9.21	
45		HAUL-OFF	CY	0.2			0.170	0.04	\$56.41	\$9.59	\$2.31	\$2.31	
BUILDING EARTHWORK													
EXCAVATION													
46	S100, S200	EXCAVATION PROVIDED FOR FOOTING	CY	328.5			0.679	223.05	\$56.41	\$38.31	\$12,582.94	\$12,582.94	
47		EXCAVATION PROVIDED FOR BASEMENT SLAB ON GRADE	CY	3199.6			0.679	2172.51	\$56.41	\$38.31	\$122,559.70	\$122,559.70	
BACKFILL													
48	S100, S200	BACKFILL PROVIDED FOR FOOTING	CY	328.5			0.361	118.59	\$56.41	\$20.37	\$6,689.90	\$6,689.90	
HAULOFF/IMPORT													
49	S100, S200	HAULING OFF EXTRA MATERIAL	CY	3199.6			0.170	543.93	\$56.41	\$9.59	\$30,685.05	\$30,685.05	

CONSTRUCTION COST ESTIMATE BREAKDOWN

CONTRACTOR					ADDRESS				
					TOTAL MATERIAL COST		\$	126,073	
					TOTAL LABOR COST		\$	520,130	
					SUBTOTAL		\$	646,203	
					SALES TAX	6.25%	\$	7,880	
					LABOR BURDEN	10.00%	\$	52,013	
					OVERHEAD & PROFIT	25.00%	\$	161,551	
					BONDING	2.00%	\$	17,353	
					CONTINGENCY / WASTAGE	5.00%	\$	32,310	
					PROPOSED PROJECT AMOUNT		\$	917,310	
					TOTAL MANHOURS			7747.17	

DATE		PROJECT NAME	SCOPE OF WORK			PROJECT LOCATION								
LINE NO.	DWG REF./ CSI SEC.	ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	MATERIAL		LABOR					LINE TOTAL	TRADE TOTAL W/ S.TAX, O&P	
					UNIT PRICE	TOTAL COST	UNIT LABOR HOUR	LABOR HOURS	LABOR RATE	UNIT PRICE	TOTAL COST			
CONNECTIONS														
62	C103	SEWER CONNECTION	EA	1	\$108.00	\$108.00	0.500	0.50	\$77.72	\$38.86	\$38.86	\$146.86		
63		WATER CONNECTION	EA	2	\$108.00	\$216.00	0.500	1.00	\$77.72	\$38.86	\$77.72	\$293.72		
64		STORM DRAIN CONNECTION	EA	1	\$108.00	\$108.00	0.500	0.50	\$77.72	\$38.86	\$38.86	\$146.86		
TRENCH														
65	C103, C501	UTILITY TRENCH - PIPE BEDDING CONSISTING OF 1/2 TO 3/4 INCH CRUSHED STONE - WOOD SHEETING IF REQUIRED	EA	1	\$990.00	\$990.00	6.000	6.00	\$77.72	\$466.32	\$466.32	\$1,456.32		
TRENCHING														
EXCAVATION														
66		EXCAVATION PROVIDED FOR UTILITY WORKS	CY	88.9			0.679	60.36	\$56.41	\$38.31	\$3,404.90	\$3,404.90		
BACKFILL														
67		BACKFILL PROVIDED FOR UTILITY WORKS OVER BEDDING MATERIAL	CY	66.7			0.361	24.07	\$56.41	\$20.37	\$1,357.70	\$1,357.70		
HAULOFF/IMPORT														
68		HAULING OFF EXTRA MATERIAL	CY	22.2			0.170	3.78	\$56.41	\$9.59	\$213.12	\$213.12		
DIV. 31	EARTHWORK	SUBTOTAL MATERIAL			\$ -			SUBTOTAL LABOR	\$ 5,747		\$ 5,747	\$ 8,201		
EXCAVATION														
69	P100	EXCAVATION PROVIDED FOR PIPING	CY	99.2			0.679	67.35	\$56.41	\$38.31	\$3,799.24	\$3,799.24		
BACKFILL														
70	P100	BACKFILL PROVIDED FOR PIPING	CY	92.5			0.361	33.39	\$56.41	\$20.37	\$1,883.80	\$1,883.80		
HAULOFF/IMPORT														
71	P100	HAULING OFF EXTRA MATERIAL FOR PIPING	CY	6.7			0.170	1.13	\$56.41	\$9.59	\$64.03	\$64.03		

BID ALTERNATE

LINE NO.	DWG REF./ CSI SEC.	ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	MATERIAL		LABOR					LINE TOTAL	TRADE TOTAL
					UNIT PRICE	TOTAL COST	UNIT LABOR HOUR	LABOR HOURS	LABOR RATE	UNIT PRICE	TOTAL COST		
ALT-1	ALTERNATE #1	SUBTOTAL MATERIAL			\$ -			SUBTOTAL LABOR	\$ 3,284		\$ 3,284	\$ 4,687	
EARTHWORK													
72	P101	EXCAVATION PROVIDED FOR PVC PIPING	CY	56.7			0.679	38.50	\$56.41	\$38.31	\$2,171.80	\$2,171.80	
73		BACKFILL PROVIDED FOR PVC PIPING	CY	52.8			0.361	19.06	\$56.41	\$20.37	\$1,075.30	\$1,075.30	
74		HAULING OFF EXTRA MATERIAL FOR PVC PIPING	CY	3.9			0.170	0.66	\$56.41	\$9.59	\$37.12	\$37.12	