

#	ITEM	UNIT	QUANTITY	Engineer's Estimate		Fred Smith Company		Crossroads Site Development		State Contracting	
				UNIT RATE	TOTAL	UNIT RATE	TOTAL	UNIT RATE	TOTAL	UNIT RATE	TOTAL
DEMOLITION & MOBILIZATION											
1	MOBILIZATION	LS	1	\$ 50,000.00	\$ 50,000.00	\$ 183,000.00	\$ 183,000.00	\$ 109,336.04	\$ 109,336.04	\$ 153,000.00	\$ 153,000.00
2	CLEARING & GRUBBING	LS	1	\$ 50,000.00	\$ 50,000.00	\$ 120,000.00	\$ 120,000.00	\$ 15,586.65	\$ 15,586.65	\$ 130,000.00	\$ 130,000.00
3	TRAFFIC CONTROL	LS	1	\$ 15,000.00	\$ 15,000.00	\$ 35,000.00	\$ 35,000.00	\$ 21,973.89	\$ 21,973.89	\$ 9,300.00	\$ 9,300.00
4	CONSTRUCTION SURVEYING	LS	1	\$ 18,000.00	\$ 18,000.00	\$ 24,500.00	\$ 24,500.00	\$ 33,906.37	\$ 33,906.37	\$ 34,500.00	\$ 34,500.00
5	TREE PROTECTION FENCE	LF	800	\$ 4.50	\$ 3,600.00	\$ 2.55	\$ 2,040.00	\$ 2.60	\$ 2,080.00	\$ 3.00	\$ 2,400.00
6	TEMPORARY CONSTRUCTION FENCE	LF	935	\$ 30.00	\$ 28,050.00	\$ 35.00	\$ 32,725.00	\$ 69.32	\$ 64,814.20	\$ 16.55	\$ 15,474.25
7	DEMO ASPHALT PAVEMENT	SY	5.915	\$ 20.00	\$ 118,300.00	\$ 6.00	\$ 35,490.00	\$ 19.31	\$ 114,218.65	\$ 6.45	\$ 38,151.75
8	DEMO GRAVEL PAVEMENT	SY	2.440	\$ 20.00	\$ 48,800.00	\$ 7.00	\$ 17,080.00	\$ -	\$ -	\$ 12.45	\$ 30,378.00
9	DEMO CONCRETE	SY	440	\$ 20.00	\$ 8,800.00	\$ 32.00	\$ 14,080.00	\$ 148.35	\$ 65,274.00	\$ 19.80	\$ 8,712.00
10	DEMO STRUCTURE	EA	1	\$ 200.00	\$ 200.00	\$ 5,500.00	\$ 5,500.00	\$ 2,012.39	\$ 2,012.39	\$ 5,265.00	\$ 5,265.00
11	DEMO LANDSCAPE	EA	1	\$ 3,500.00	\$ 3,500.00	\$ 12,500.00	\$ 12,500.00	\$ 1,497.36	\$ 1,497.36	\$ 4,925.00	\$ 4,925.00
12	DEMO BOLLARD	EA	6	\$ 2,000.00	\$ 12,000.00	\$ 335.00	\$ 2,010.00	\$ 623.90	\$ 3,743.40	\$ 550.00	\$ 3,300.00
13	DEMO CHARGER STATIONS	EA	2	\$ 300.00	\$ 600.00	\$ 1,025.00	\$ 2,050.00	\$ 2,296.72	\$ 4,593.44	\$ 1,095.00	\$ 2,190.00
14	SAWCUT ASPHALT	LF	66	\$ 5.00	\$ 330.00	\$ 21.00	\$ 1,386.00	\$ 5.13	\$ 338.58	\$ 7.70	\$ 508.20
15	DEMO RETAINING WALL	LF	35	\$ 20.00	\$ 700.00	\$ 45.00	\$ 1,575.00	\$ 22.89	\$ 801.15	\$ 31.15	\$ 1,090.25
				SUBTOTAL	\$ 357,880.00	SUBTOTAL	\$ 488,936.00	SUBTOTAL	\$ 440,176.12	SUBTOTAL	\$ 439,194.45
SITE											
16	EXISTING ASPHALT PAVEMENT TO BE SEAL COATED	SF	8,340	\$ 1.50	\$ 12,510.00	\$ 0.45	\$ 3,753.00	\$ 1.07	\$ 8,923.80	\$ 0.33	\$ 2,752.20
17	ASPHALT CONCRETE SURFACE COURSE, 3" TYPE S 9.5B IN TWO 1.5" LIFTS	SY	13,620	\$ 18.50	\$ 251,970.00	\$ 25.00	\$ 340,500.00	\$ 31.30	\$ 426,306.00	\$ 22.92	\$ 312,170.40
18	AGGREGATE BASE COURSE, 8" (ASTM D 1557)	SY	13,620	\$ 12.50	\$ 170,250.00	\$ 18.00	\$ 245,160.00	\$ 29.21	\$ 397,840.20	\$ 17.39	\$ 236,851.80
19	AGGREGATE BASE COURSE, 4" (ASTM D 1557) (UNDER CURB & GUTTER)	SY	778	\$ 6.00	\$ 4,668.00	\$ 16.00	\$ 12,448.00	\$ 38.01	\$ 29,571.78	\$ 18.46	\$ 14,361.88
20	CURB AND GUTTER	LF	2,801	\$ 25.00	\$ 70,025.00	\$ 20.00	\$ 56,020.00	\$ 31.96	\$ 89,519.96	\$ 31.58	\$ 88,455.58
21	SIDEWALK	LF	609	\$ 20.00	\$ 12,180.00	\$ 31.00	\$ 18,879.00	\$ 7.68	\$ 4,677.12	\$ 42.60	\$ 25,943.40
22	SIDEWALK RAMPS	EA	5	\$ 2,000.00	\$ 10,000.00	\$ 3,750.00	\$ 18,750.00	\$ 2,463.74	\$ 12,318.70	\$ 2,300.00	\$ 11,500.00
23	BIKE RACKS	EA	11	\$ 800.00	\$ 8,800.00	\$ 1,300.00	\$ 14,300.00	\$ 3,740.55	\$ 41,146.05	\$ 12.70	\$ 139.70
24	BOLLARDS	EA	16	\$ 2,000.00	\$ 32,000.00	\$ 120.00	\$ 1,920.00	\$ 1,941.69	\$ 31,067.04	\$ 635.00	\$ 10,160.00
25	4" 120 MILS THERMOPLASTIC WHITE PAVEMENT MARKING LINES	LF	7,200	\$ 2.00	\$ 14,400.00	\$ 2.26	\$ 16,272.00	\$ 3.33	\$ 23,976.00	\$ 2.05	\$ 14,760.00
26	8" 120 MILS THERMOPLASTIC WHITE PAVEMENT MARKING LINES	LF	155	\$ 4.00	\$ 620.00	\$ 6.00	\$ 930.00	\$ 10.65	\$ 1,650.75	\$ 4.05	\$ 627.75
27	24" 120 MILS THERMOPLASTIC WHITE PAVEMENT MARKING LINES	LF	415	\$ 10.00	\$ 4,150.00	\$ 14.00	\$ 5,810.00	\$ 26.64	\$ 11,055.60	\$ 10.35	\$ 4,295.25
28	4" 120 MILS THERMOPLASTIC BLUE PAVEMENT MARKING LINES	LF	1,500	\$ 3.00	\$ 4,500.00	\$ 4.00	\$ 6,000.00	\$ 3.33	\$ 4,995.00	\$ 3.45	\$ 5,175.00
29	WHEEL STOPS	EA	40	\$ 90.00	\$ 3,600.00	\$ 140.00	\$ 5,600.00	\$ 166.47	\$ 6,658.80	\$ 115.00	\$ 4,600.00
30	SIGNS	EA	20	\$ 510.00	\$ 10,200.00	\$ 245.00	\$ 4,900.00	\$ 499.41	\$ 9,988.20	\$ 405.00	\$ 8,100.00
31	PAVEMENT MARKING SYMBOLS, ADA SPACES	EA	12	\$ 660.00	\$ 7,920.00	\$ 105.00	\$ 1,260.00	\$ 66.59	\$ 799.08	\$ 520.00	\$ 6,240.00
32	PAVEMENT MARKINGS, EV SPACES	EA	9	\$ 660.00	\$ 5,940.00	\$ 42.00	\$ 378.00	\$ 473.50	\$ 4,261.50	\$ 520.00	\$ 4,680.00
				SUBTOTAL	\$ 623,733.00	SUBTOTAL	\$ 752,880.00	SUBTOTAL	\$ 1,104,755.58	SUBTOTAL	\$ 750,812.96
GRADING AND DRAINAGE											
33	GRADING	LS	1	\$ 400,000.00	\$ 400,000.00	\$ 707,000.00	\$ 707,000.00	\$ 269,371.73	\$ 269,371.73	\$ 617,250.00	\$ 617,250.00
34	ROCK EXCAVATION (MECHANICAL ONLY)	CY	200	\$ 27.50	\$ 5,500.00	\$ 90.00	\$ 18,000.00	\$ 55.91	\$ 11,182.00	\$ 200.00	\$ 40,000.00
35	BIORETENTION AREA	LS	1	\$ 45,000.00	\$ 45,000.00	\$ 110,000.00	\$ 110,000.00	\$ 121,042.19	\$ 121,042.19	\$ 240,375.00	\$ 240,375.00
36	RETAINING WALL	SF	3,305	\$ 50.00	\$ 165,250.00	\$ 160.00	\$ 528,800.00	\$ 73.58	\$ 243,181.90	\$ 250.00	\$ 826,250.00
37	ADJUST WATER VALVES TO GRADE	EA	10	\$ 1,300.00	\$ 13,000.00	\$ 450.00	\$ 4,500.00	\$ 327.96	\$ 3,279.60	\$ 400.00	\$ 4,000.00
38	SEWER ABANDONMENT	EA	1	\$ 500.00	\$ 500.00	\$ 16,000.00	\$ 16,000.00	\$ 1,725.14	\$ 1,725.14	\$ 6,100.00	\$ 6,100.00
39	WATER ABANDONMENT	LS	1	\$ 500.00	\$ 500.00	\$ 10,000.00	\$ 10,000.00	\$ 3,404.87	\$ 3,404.87	\$ 6,700.00	\$ 6,700.00
40	RIP RAP, CLASS B	TN	20	\$ 50.00	\$ 1,000.00	\$ 152.00	\$ 3,040.00	\$ 105.43	\$ 2,108.60	\$ 100.00	\$ 2,000.00
41	CATCH BASINS	EA	12	\$ 7,500.00	\$ 90,000.00	\$ 6,000.00	\$ 72,000.00	\$ 5,980.70	\$ 71,768.40	\$ 5,080.00	\$ 60,960.00
42	CATCH BASINS, OPEN THROAT	EA	2	\$ 2,500.00	\$ 5,000.00	\$ 8,500.00	\$ 17,000.00	\$ 5,980.70	\$ 11,961.40	\$ 5,645.00	\$ 11,290.00
43	JUNCTION BOX	EA	8	\$ 4,000.00	\$ 32,000.00	\$ 6,000.00	\$ 48,000.00	\$ 4,895.20	\$ 39,161.60	\$ 4,475.00	\$ 35,800.00
44	DROP INLET	EA	2	\$ 4,000.00	\$ 8,000.00	\$ 5,000.00	\$ 10,000.00	\$ 5,107.16	\$ 10,214.32	\$ 5,410.00	\$ 10,820.00
45	DRIVEWAY DROP INLET WITH GRATES	LF	675	\$ 600.00	\$ 405,000.00	\$ 400.00	\$ 270,000.00	\$ 1,197.34	\$ 808,204.50	\$ 628.00	\$ 423,900.00
46	15" RCP CLASS IV or POLYPROPYLENE (ASTM F2764 & AASHTO M330)	LF	1,265	\$ 110.00	\$ 139,150.00	\$ 75.00	\$ 94,875.00	\$ 62.97	\$ 79,657.05	\$ 69.85	\$ 88,360.25
47	18" RCP CLASS IV or POLYPROPYLENE (ASTM F2764 & AASHTO M330)	LF	26	\$ 50.00	\$ 1,300.00	\$ 98.00	\$ 2,548.00	\$ 54.22	\$ 1,409.72	\$ 85.95	\$ 2,234.70
48	24" RCP CLASS IV or POLYPROPYLENE (ASTM F2764 & AASHTO M330)	LF	695	\$ 60.00	\$ 41,700.00	\$ 127.00	\$ 88,265.00	\$ 95.09	\$ 66,087.55	\$ 124.50	\$ 86,527.50
49	EROSION CONTROL	LS	1	\$ 100,000.00	\$ 100,000.00	\$ 150,661.00	\$ 150,661.00	\$ 100,828.28	\$ 100,828.28	\$ 57,400.00	\$ 57,400.00
50	SOIL CELL	EA	9	\$ 5,888.89	\$ 53,000.00	\$ 23,000.00	\$ 207,000.00	\$ 30,252.99	\$ 272,276.91	\$ 40,280.00	\$ 362,520.00
				SUBTOTAL	\$ 1,505,900.00	SUBTOTAL	\$ 2,357,689.00	SUBTOTAL	\$ 2,116,865.76	SUBTOTAL	\$ 2,882,487.45
LANDSCAPE											
51	ACER BUERGERIANUM / TRIDENT MAPLE	EA	10	\$ 800.00	\$ 8,000.00	\$ 550.00	\$ 5,500.00	\$ 932.21	\$ 9,322.10	\$ 1,290.00	\$ 12,900.00
52	AESCLUS PAVIA / RED BUCKEYE	EA	6	\$ 450.00	\$ 2,700.00	\$ 110.00	\$ 660.00	\$ 932.21	\$ 5,593.26	\$ 600.00	\$ 3,600.00
53	JUNIPERUS VIRGINIANA / EASTERN RED CEDAR	EA	9	\$ 450.00	\$ 4,050.00	\$ 375.00	\$ 3,375.00	\$ 665.86	\$ 5,992.74	\$ 525.00	\$ 4,725.00
54	LAGERSTROEMIA X 'NATCHEZ' / CRAPE MYRTLE	EA	1	\$ 800.00	\$ 800.00	\$ 725.00	\$ 725.00	\$ 932.21	\$ 932.21	\$ 1,450.00	\$ 1,450.00
55	MAGNOLIA GRANDIFLORA 'BRACKENS BROWN BEAUTY'	EA	1	\$ 800.00	\$ 800.00	\$ 1,000.00	\$ 1,000.00	\$ 932.21	\$ 932.21	\$ 645.00	\$ 645.00
56	QUERCUS SHUMARDII / SHUMARD OAK	EA	9	\$ 800.00	\$ 7,200.00	\$ 640.00	\$ 5,760.00	\$ 932.21	\$ 8,389.89	\$ 1,180.00	\$ 10,620.00
57	ULMUS AMERICANA 'PRINCETON' / PRINCETON AMERICAN ELM	EA	6	\$ 800.00	\$ 4,800.00	\$ 480.00	\$ 2,880.00	\$ 932.21	\$ 5,593.26	\$ 1,305.00	\$ 7,830.00
58	DIETES IRIIDIODES / WHITE AFRICAN IRIS	EA	97	\$ 45.00	\$ 4,365.00	\$ 38.00	\$ 3,686.00	\$ 119.86	\$ 11,626.42	\$ 31.10	\$ 3,016.70
59	ITEA VIRGINICA / VIRGINIA SWEETSPIRE	EA	44	\$ 45.00	\$ 1,980.00	\$ 34.00	\$ 1,496.00	\$ 86.56	\$ 3,808.64	\$ 48.40	\$ 2,129.60
60	JUNIPERUS HORIZONTALIS 'WILTONII' / BLUE RUG JUNIPER	EA	120	\$ 12.00	\$ 1,440.00	\$ 15.00	\$ 1,800.00	\$ 66.59	\$ 7,990.80	\$ 23.95	\$ 2,874.00
61	MYRICA CERIFERA / WAX MYRTLE	EA	19	\$ 98.00	\$ 1,862.00	\$ 97.00	\$ 1,843.00	\$ 173.13	\$ 3,289.47	\$ 115.00	\$ 2,185.00
62	PANICUM VIRGATUM 'SHENANDOAH' / SHENANDOAH SWITCH GRASS	EA	30	\$ 45.00	\$ 1,350.00	\$ 38.00	\$ 1,140.00	\$ 86.56	\$ 2,596.80	\$ 33.00	\$ 990.00
63	RHODODENDRON ATLANTICUM / COAST AZALEA	EA	29	\$ 45.00	\$ 1,305.00	\$ 34.00	\$ 986.00	\$ 99.88	\$ 2,896.52	\$ 53.30	\$ 1,545.70
64	CYNODON DACTYLON / BERMUDA GRASS SOD	SF	5,350	\$ 1.50	\$ 8,025.00	\$ 2.90	\$ 15,515.00	\$ 1.46	\$ 7,811.00	\$ 3.05	\$ 16,317.50
65	MM(A) / MEADOW MIX	EA	616	\$ 12.00	\$ 7,392.00	\$ 24.00	\$ 14,784.00	\$ 0.67	\$ 412.72	\$ 25.60	\$ 15,769.60
66	PANICUM VIRGATUM 'CAPE BREEZE' / NORTHWIND SWITCH GRASS	EA	192	\$ 12.00	\$ 2,304.00	\$ 24.00	\$ 4,608.00	\$ 66.59	\$ 12,785.28	\$ 25.85	\$ 4,963.20
67	MULCH	CY	100	\$ 50.00	\$ 5,000.00	\$ 65.00	\$ 6,500.00	\$ 79.90	\$ 7,990.00	\$ 100.00	\$ 10,000.00
				SUBTOTAL	\$ 63,373.00	SUBTOTAL	\$ 72,258.00	SUBTOTAL	\$ 97,963.32	SUBTOTAL	\$ 101,561.30
				TOTAL	\$ 2,550,886.00	TOTAL	\$ 3,671,763.00	TOTAL	\$ 3,759,760.78	TOTAL	\$ 4,174,056.16
						MBP \$ 367,180.00					
						MBP % 10%					