



**TCH**  
CONSULTING  
GROUP, INC.

## **Sample Estimate Reports**

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**MIXED-USE DEVELOPMENT**

Jacksonville, Florida  
CONCEPTUAL CIVIL ESTIMATE #1

WBS	Major	Minor	ITEM DESCRIPTIONS	QNTY	UNIT MSR	UNIT \$ MATERIAL	PRODUCTIVITY	UNIT/ TIME	CREW	ADJ. \$ HOURLY	UNIT \$ LABOR	UNIT \$ EQUIP	UNIT \$ SUB-CON	UNIT \$ OTHER	TOTAL MATERIAL	TOTAL.. MANHOURS	TOTAL LABOR	TOTAL EQUIPMENT	TOTAL SUB-CON	TOTAL OTHER	TOTAL COST*	UNIT PRICE	TOTAL AMOUNT	
1			<b>MOBILIZATION</b>	1.00	LSUM																			
			<b>PERMITS, TESTS &amp; FEES</b>																					
			contractor permit budget	1.00	lsum									5,000.00							5,350.00	5,350.00	6,225.78	6,225.78
			contractor testing allowance	1.00	lsum									7,500.00							8,025.00	8,025.00	9,338.68	9,338.68
			<b>SUBTOTAL AMOUNT</b>																		<b>13,375.00</b>	<b>13,375.00</b>	<b>-</b>	<b>15,564.46</b>
			<b>MAINTENANCE OF TRAFFIC</b>																					
			fdot	1.00	lsum		45.000	MH/U			742.50		7,500.00		45.000	980.10		7,500.00			8,480.10	9,868.28	9,868.28	
			<b>SUBTOTAL AMOUNT</b>												<b>45.000</b>	<b>980.10</b>		<b>7,500.00</b>			<b>8,480.10</b>	<b>-</b>	<b>9,868.28</b>	
			<b>EQUIPMENT TRANSPORT</b>																					
			equipment transport	15.00	each								400.00						6,000.00			6,000.00	465.48	6,982.19
			<b>SUBTOTAL AMOUNT</b>																<b>6,000.00</b>			<b>6,000.00</b>	<b>-</b>	<b>6,982.19</b>
			<b>SURVEY AND LAYOUT</b>																					
			pre-construction utility investigation	1.00	lsum		25.000	MH/U			412.50	1,125.00			25.000	544.50	1,203.75				1,748.25	2,034.44	2,034.44	
			initial stationing	1.00	job								6,800.00						6,800.00			6,800.00	7,913.15	7,913.15
			construction layout	1.00	job								18,500.00						18,500.00			18,500.00	21,528.41	21,528.41
			red-line asbuilts	1.00	lsum		8.000	MH/U		25.00	200.00	4,500.00			8.000	264.00		4,500.00			4,764.00	5,543.86	5,543.86	
			<b>SUBTOTAL AMOUNT</b>												<b>33.000</b>	<b>808.50</b>	<b>1,203.75</b>	<b>29,800.00</b>			<b>31,812.25</b>	<b>-</b>	<b>37,019.85</b>	
			<b>EROSION CONTROL</b>																					
			silt fence	7,800.00	lnft	0.42	0.025	MH/U			0.41	0.25			3,505.32	195.000	4,221.36	2,086.50			9,813.18	1.46	11,419.58	
			inlet protection	25.00	each	28.50	1.500	MH/U			24.75				762.38	37.500	816.75				1,579.13	73.50	1,837.62	
			<b>SUBTOTAL AMOUNT</b>												<b>4,267.70</b>	<b>232.500</b>	<b>5,038.11</b>	<b>2,086.50</b>			<b>11,392.31</b>	<b>-</b>	<b>13,257.20</b>	
			<b>SMALL TOOLS</b>																					
			small tools	1.00	lsum							5,000.00						5,350.00			5,350.00	6,225.78	6,225.78	
			<b>SUBTOTAL AMOUNT</b>															<b>5,350.00</b>			<b>5,350.00</b>	<b>-</b>	<b>6,225.78</b>	
			<b>PROJECT SUPERVISION</b>																					
			project superintendent	5.00	mnth		172.000	MH/U		30.00	5,160.00				860.000	34,056.00					34,056.00	7,926.18	39,630.90	
			pick-up truck	5.00	mnth							550.00						2,942.50			2,942.50	684.84	3,424.18	
			<b>SUBTOTAL AMOUNT</b>												<b>860.000</b>	<b>34,056.00</b>	<b>2,942.50</b>				<b>36,998.50</b>	<b>-</b>	<b>43,055.08</b>	
			<b>SUBTOTAL AMOUNT</b>												<b>4,267.70</b>	<b>1170.500</b>	<b>40,882.71</b>	<b>11,582.75</b>	<b>43,300.00</b>	<b>13,375.00</b>	<b>113,408.16</b>	<b>131,972.84</b>	<b>131,972.84</b>	
2			<b>CLEARING AND EARTHWORK</b>	1.00	LSUM																			
			<b>CLEAR AND GRUB (sale parcel is nic)</b>																					
			clearing and grub site (underbrush)	85.00	acre		12.000	MH/U			216.00	780.00			1020.000	24,235.20	70,941.00				95,176.20	1,303.02	110,756.35	
			clearing and grub site medium (row)	15.00	acre		24.000	MH/U			396.00	1,560.00			360.000	7,840.80	25,038.00				32,878.80	2,550.73	38,260.99	
			burn and dispose of non-combustibles	15.00	acre							3,000.00						45,000.00			45,000.00	3,491.09	52,366.41	
			<b>SUBTOTAL AMOUNT</b>												<b>1380.000</b>	<b>32,076.00</b>	<b>95,979.00</b>	<b>45,000.00</b>			<b>173,055.00</b>	<b>-</b>	<b>201,383.76</b>	
			<b>DEMOLITION</b>																					
			misc. demolition	1.00	lsum		160.000				2,640.00	2,200.00	1,000.00		160.000	3,484.80	2,354.00	1,000.00			6,838.80	7,958.30	7,958.30	
			<b>SUBTOTAL AMOUNT</b>												<b>160.000</b>	<b>3,484.80</b>	<b>2,354.00</b>	<b>1,000.00</b>			<b>6,838.80</b>	<b>-</b>	<b>7,958.30</b>	
			<b>DEWATERING</b>																					
			dewatering and discharge turbidity mngmt	1.00	lsum							10,000.00						10,700.00			10,700.00	12,451.57	12,451.57	
			<b>SUBTOTAL AMOUNT</b>															<b>10,700.00</b>			<b>10,700.00</b>	<b>-</b>	<b>12,451.57</b>	
			<b>EXCAVATION AND EMBANKMENT</b>																					
			strip topsoil and stockpile (row + retention)	15,500.00	cuyd		0.002	MH/U			0.04	1.15			31.000	818.40	19,072.75				19,891.15	1.49	23,147.29	
			excavate & place retail retention	106,829.00	cuyd		0.024	MH/U			0.40	1.25			2563.896	56,405.71	142,883.79				199,289.50	2.17	231,912.79	
			excavate & place roadway to balance @ 2ft.	45,173.00	cuyd		0.021	MH/U			0.35	1.15			948.633	20,869.93	55,585.38				76,455.31	1.97	88,970.89	
			<b>SUBTOTAL AMOUNT</b>												<b>3543.529</b>	<b>78,094.04</b>	<b>217,541.91</b>				<b>295,635.95</b>	<b>-</b>	<b>344,030.97</b>	
			<b>IMPORT FILL</b>																					
			import fill dirt w/25% shrinkage		cuyd																			
			placement & compaction		cuyd																			
			<b>SUBTOTAL AMOUNT</b>																					

**MIXED-USE DEVELOPMENT**

Jacksonville, Florida  
CONCEPTUAL CIVIL ESTIMATE #1

WBS	Major	Minor	ITEM DESCRIPTIONS	QNTY	UNIT MSR	UNIT \$ MATERIAL	PRODUCTIVITY	UNIT/ TIME	CREW	ADJ. \$ HOURLY	UNIT \$ LABOR	UNIT \$ EQUIP	UNIT \$ SUB-CON	UNIT \$ OTHER	TOTAL MATERIAL	TOTAL.. MANHOURS	TOTAL LABOR	TOTAL EQUIPMENT	TOTAL SUB-CON	TOTAL OTHER	TOTAL COST*	UNIT PRICE	TOTAL AMOUNT
			<b>GRADING AND COMPACTION</b>																				
			proof roll row	58,080.00	sqyd		0.002	MH/U			0.03	0.09				116.160	2,299.97	5,593.10			7,893.07	0.16	9,185.15
			building pads		nic		700.000	MH/U			11,550.00	38,500.00											
			out parcels		nic		0.008	MH/U			0.13	0.32											
			spread topsoil @ row	12,100.00	cuyd		0.015	MH/U			0.25	0.65				181.500	3,993.00	8,415.55			12,408.55	1.19	14,439.80
			final row grading	25,876.00	sqyd		0.012	MH/U			0.20	0.40				310.512	6,831.26	11,074.93			17,906.19	0.81	20,837.40
			<b>SUBTOTAL AMOUNT</b>													<b>608.172</b>	<b>13,124.23</b>	<b>25,083.58</b>			<b>38,207.81</b>		<b>44,462.35</b>
			<b>SUBTOTAL AMOUNT</b>													<b>5691.701</b>	<b>126,779.07</b>	<b>351,658.50</b>	<b>46,000.00</b>		<b>524,437.57</b>	<b>610,286.95</b>	<b>610,286.95</b>
3			<b>LANDSCAPE AND IRRIGATION</b>	<b>1.00</b>	<b>LSUM</b>																		
			<b>SOD &amp; SEEDING</b>																				
			bahia sod @ 2' b.o.c	1,725.00	sqyd								1.55						2,673.75		2,673.75	1.80	3,111.44
			seed & mulch	5.50	acre								1,690.00						9,295.00		9,295.00	1,966.65	10,816.57
			<b>SUBTOTAL AMOUNT</b>																<b>11,968.75</b>		<b>11,968.75</b>		<b>13,928.01</b>
			<b>LANDSCAPE &amp; IRRIGATION</b>																				
			re-use irrigation		lsum																		
			right-of-way & entry landscaping		lsum																		
			site retail landscaping		lsum																		
			<b>SUBTOTAL AMOUNT</b>																				
			<b>OFF-SITE RESTORATION</b>																				
			median and roadway right-of-way	1.00	lsum		60.000	MH/U			1,080.00	1,710.00				60.000	1,425.60	1,829.70			3,255.30	3,788.19	3,788.19
			<b>SUBTOTAL AMOUNT</b>													<b>60.000</b>	<b>1,425.60</b>	<b>1,829.70</b>			<b>3,255.30</b>		<b>3,788.19</b>
			<b>SUBTOTAL AMOUNT</b>													<b>60.000</b>	<b>1,425.60</b>	<b>1,829.70</b>	<b>11,968.75</b>		<b>15,224.05</b>	<b>17,716.20</b>	<b>17,716.20</b>
4			<b>ON-SITE ROADWAYS</b>	<b>1.00</b>	<b>LSUM</b>																		
			<b>COLLECTOR LOOP+ FEEDER'S)</b>																				
			<b>GRADING (NOT INCLUDED ABOVE)</b>																				
			grade median	7,370.00	sqyd		0.012	MH/U			0.20	0.40				88.440	1,945.68	3,154.36			5,100.04	0.81	5,934.91
			<b>SUBTOTAL AMOUNT</b>													<b>88.440</b>	<b>1,945.68</b>	<b>3,154.36</b>			<b>5,100.04</b>		<b>5,934.91</b>
			<b>STABILIZED SUBGRADE</b>																				
			10" stabilized cart path (n/s collector)	4,064.00	sqyd	1.00	0.020	MH/U			0.33	1.15			4,348.48	81.280	1,770.28	5,000.75			11,119.51	3.18	12,939.75
			12" stabilized roadway (n/s collector)	19,510.00	sqyd	1.25	0.020	MH/U			0.33	1.15			26,094.63	390.200	8,498.56	24,007.06			58,600.24	3.50	68,192.98
			12" stabilized roadway (e/w loop road)	8,946.00	sqyd	1.25	0.020	MH/U			0.33	1.15			11,965.28	390.200	8,498.56	11,008.05			31,471.89	4.09	36,623.77
			12" stabilized roadway (feeder roads)	2,682.00	sqyd	1.25	0.020	MH/U			0.33	1.15			3,587.18	390.200	8,498.56	3,300.20			15,385.94	6.68	17,904.58
			12" stabilized curb-pad subgrade (n/s collector)	2,438.00	sqyd	1.50	0.020	MH/U			0.33	1.15			3,912.99	390.200	8,498.56	2,999.96			15,411.51	7.36	17,934.34
			12" stabilized curb-pad subgrade (e/w loop road)	2,064.00	sqyd	1.50	0.020	MH/U			0.33	1.15			3,312.72	41.280	899.08	2,539.75			6,751.55	3.81	7,856.77
			<b>SUBTOTAL AMOUNT</b>												<b>53,221.27</b>	<b>1683.360</b>	<b>36,663.60</b>	<b>48,855.77</b>			<b>138,740.64</b>		<b>161,452.20</b>
			<b>LIMEROCK BASE</b>																				
			06" limerock base (n/s cart path)	3,657.56	sqyd	4.95	0.045	MH/U			0.74	1.55			19,372.24	164.590	3,572.70	6,066.06			29,011.00	9.23	33,760.04
			08" limerock base (n/s collector)	18,697.11	sqyd	7.00	0.045	MH/U			0.74	1.55			140,041.36	841.370	18,263.34	31,009.16			189,313.86	11.78	220,304.16
			08" limerock base (e/w loop road)	8,258.00	sqyd	7.00	0.045	MH/U			0.74	1.55			61,852.42	371.610	8,066.41	13,695.89			83,614.72	11.78	97,302.29
			08" limerock base (feeder road)	2,682.00	sqyd	7.00	0.045	MH/U			0.74	1.55			20,088.18	120.690	2,619.78	4,448.10			27,156.06	11.78	31,601.45
			prime and sand	30,612.67	sqyd								0.45						13,775.70		13,775.70	0.52	16,030.75
			<b>SUBTOTAL AMOUNT</b>												<b>241,354.21</b>	<b>1498.260</b>	<b>32,522.23</b>	<b>55,219.20</b>	<b>13,775.70</b>		<b>342,871.34</b>		<b>398,998.69</b>
			<b>ASPHALT WEARING SURFACE</b>																				
			saw cut asphalt @ tie-in on-site	500.00	lnft								1.45						725.00		725.00	1.69	843.68
			1-50" type s-1 acsc (cart-path)	3,657.56	sqyd								6.50						23,774.11		23,774.11	7.56	27,665.89
			2-00" type s-1 acsc (n/s collector)	18,697.11	sqyd								8.65						161,730.01		161,730.01	10.07	188,204.89
			2-00" type s-1 acsc (e/w loop road)	8,258.00	sqyd								8.65						71,431.70		71,431.70	10.07	83,124.93
			2-00" type s-1 acsc (feeder roads)	2,682.00	sqyd								8.65						23,199.30		23,199.30	10.07	26,996.98
			<b>SUBTOTAL AMOUNT</b>																<b>280,860.12</b>		<b>280,860.12</b>		<b>326,836.36</b>
			<b>CONCRETE CURB</b>																				
			type "f" curb & gutter (n/s collector)	7,316.00	lnft								11.00						80,476.00		80,476.00	12.80	93,649.76
			type "f" curb & gutter (e/w loop road)	6,194.00	lnft								11.00						68,134.00		68,134.00	12.80	79,287.40
			median curb	4,840.00	lnft								12.00						58,080.00		58,080.00	13.96	67,587.58
			<b>SUBTOTAL AMOUNT</b>																<b>206,690.00</b>		<b>206,690.00</b>		<b>240,524.74</b>

**MIXED-USE DEVELOPMENT**

Jacksonville, Florida  
CONCEPTUAL CIVIL ESTIMATE #1

WBS	Major	Minor	ITEM DESCRIPTIONS	QNTY	UNIT MSR	UNIT \$ MATERIAL	PRODUCTIVITY	UNIT/ TIME	CREW	ADJ. \$ HOURLY	UNIT \$ LABOR	UNIT \$ EQUIP	UNIT \$ SUB-CON	UNIT \$ OTHER	TOTAL MATERIAL	TOTAL.. MANHOURS	TOTAL LABOR	TOTAL EQUIPMENT	TOTAL SUB-CON	TOTAL OTHER	TOTAL COST*	UNIT PRICE	TOTAL AMOUNT	
			<b>CONCRETE SIDEWALK</b>																					
			4" concrete sidewalk & ramps (n/s collector)	3,251.00	sqyd								36.00						117,036.00		117,036.00	41.89	136,194.56	
			4" concrete sidewalk & ramps (e/w loop road)	2,752.00	sqyd								36.00						99,072.00		99,072.00	41.89	115,289.89	
			4" concrete sidewalk & ramps (feeder roads)	920.00	sqyd								36.00						33,120.00		33,120.00	41.89	38,541.68	
			<b>SUBTOTAL AMOUNT</b>																<b>249,228.00</b>		<b>249,228.00</b>		<b>290,026.13</b>	
			<b>PAVEMENT MARKINGS AND SIGNS</b>																					
			traffic signage / street id	7.00	each								325.00						2,275.00		2,275.00	378.20	2,647.41	
			stop signs	5.00	each								245.00						1,225.00		1,225.00	285.11	1,425.53	
			pavement markings @ intersections	1.00	lsum								3,500.00						3,500.00		3,500.00	4,072.94	4,072.94	
			<b>SUBTOTAL AMOUNT</b>																<b>7,000.00</b>		<b>7,000.00</b>		<b>8,145.89</b>	
			<b>SUBTOTAL AMOUNT</b>												<b>294,575.47</b>	<b>3270.060</b>	<b>71,131.51</b>	<b>107,229.34</b>	<b>757,553.82</b>		<b>1,230,490.14</b>		<b>1,431,918.92</b>	
5			<b>OFF-SITE PAVEMENT (DECELL &amp; TURN-LANES)</b>	<b>1.00</b>	<b>LSUM</b>																			
			<b>55 MPH DECEL + TURNING QUEUE</b>																					
			<b>TRAFFIC CONTROL</b>																					
			maintenance of traffic hwy 441 (ldot index 600)	1.00	lsum	1.00							7,500.00	1.07					7,500.00		7,501.07	8,728.98	8,728.98	
			<b>SUBTOTAL AMOUNT</b>												<b>1.07</b>				<b>7,500.00</b>		<b>7,501.07</b>		<b>8,728.98</b>	
			<b>DEMOLITION</b>																					
			demo existing pavement	300.00	sqyd		0.121	MH/U			2.00	4.00	1.00			36.364	792.00	1,284.00	300.00		2,376.00	9.22	2,764.95	
			<b>SUBTOTAL AMOUNT</b>													<b>36.364</b>	<b>792.00</b>	<b>1,284.00</b>	<b>300.00</b>		<b>2,376.00</b>		<b>2,764.95</b>	
			<b>EARTHWORK</b>																					
			cut to subgrade (stockpile off-right-of-way)	4,500.00	cuyd		0.030	MH/U			0.50	2.00	1.00			135.000	2,970.00	9,630.00	4,500.00		17,100.00	4.42	19,899.24	
			backfill behind curb	1,500.00	cuyd		0.030	MH/U			0.50	2.00				45.000	990.00	3,210.00			4,200.00	3.26	4,887.53	
			rough grade right-of-way	16,600.00	sqyd		0.015	MH/U			0.25	0.45				249.000	5,478.00	7,992.90			13,470.90	0.94	15,676.06	
			<b>SUBTOTAL AMOUNT</b>													<b>429.000</b>	<b>9,438.00</b>	<b>20,832.90</b>	<b>4,500.00</b>		<b>34,770.90</b>		<b>40,462.83</b>	
			<b>SUBGRADE</b>																					
			12" stabilized subgrade	7,160.00	sqyd	2.00	0.020	MH/U			0.33	1.75				15,322.40	143.200	3,118.90	13,407.10		31,848.40	5.18	37,061.92	
			<b>SUBTOTAL AMOUNT</b>													<b>15,322.40</b>	<b>143.200</b>	<b>3,118.90</b>	<b>13,407.10</b>		<b>31,848.40</b>		<b>37,061.92</b>	
			<b>CRUSHED CONCRETE BASE</b>																					
			10" limerock base (median cuts)	360.00	sqyd	10.27	0.091				1.50	3.00				3,955.04	32.760	712.80	1,155.60		5,823.44	18.82	6,776.73	
			10" limerock base (acell/decell)	6,800.00	sqyd	10.27	0.091				1.50	3.00				74,706.33	618.800	13,464.00	21,828.00		109,998.33	18.82	128,004.84	
			prime and sand	6,800.00	sqyd								0.75						5,100.00		5,100.00	0.87	5,934.86	
			<b>SUBTOTAL AMOUNT</b>													<b>78,661.37</b>	<b>651.560</b>	<b>14,176.80</b>	<b>22,983.60</b>	<b>5,100.00</b>		<b>120,921.77</b>		<b>140,716.42</b>
			<b>ASPHALT</b>																					
			saw cut asphalt @ tie-in	5,000.00	lnft								1.75			9.225			8,750.00		8,750.00	2.04	10,182.36	
			1.50" wearing surface (paved shoulder)	2,780.00	sqyd								7.50						20,850.00		20,850.00	8.73	24,263.10	
			5.50" wearing surface (roadway)	6,800.00	sqyd								25.00						170,000.00		170,000.00	29.09	197,828.66	
			<b>SUBTOTAL AMOUNT</b>																<b>199,600.00</b>		<b>199,600.00</b>		<b>232,274.12</b>	
			<b>CONCRETE CURB</b>																					
			type f curb	500.00	lnft								10.50						5,250.00		5,250.00	12.22	6,109.41	
			type e median curb	615.00	lnft								10.50						6,457.50		6,457.50	12.22	7,514.58	
			<b>SUBTOTAL AMOUNT</b>																<b>11,707.50</b>		<b>11,707.50</b>		<b>13,623.99</b>	
			<b>PAVEMENT MARKINGS AND SIGNS</b>																					
			information signs	4.00	each								185.00						740.00		740.00	215.28	861.14	
			arrows	18.00	each								55.00						990.00		990.00	64.00	1,152.06	
			thermo-stop bars	1.00	job								2,250.00						2,250.00		2,250.00	2,618.32	2,618.32	
			thermo stripes	10,000.00	lnft								0.50						5,000.00		5,000.00	0.58	5,818.49	
			<b>SUBTOTAL AMOUNT</b>																<b>8,980.00</b>		<b>8,980.00</b>		<b>10,450.01</b>	
			<b>SUBTOTAL AMOUNT</b>												<b>93,984.84</b>	<b>1269.349</b>	<b>27,525.70</b>	<b>58,507.60</b>	<b>237,687.50</b>		<b>417,705.64</b>		<b>486,083.22</b>	
6			<b>STORM SEWER SYSTEM (COLLECTION LOOP MAIN)</b>	<b>1.00</b>	<b>LSUM</b>																			
			<b>PRECAST STORM STRUCTURES</b>																					
			type "j" manhole	6.00	each	1,850.00	14.500	MH/U			239.25	416.88		45.00		11,877.00	87.000	1,894.86	2,676.34		288.90	16,737.10	3,246.15	19,476.93
			type "2" curb inlet	15.00	each	1,020.00	9.500	MH/U			156.75	273.13	1,350.00	45.00		16,371.00	142.500	3,103.65	4,383.66	20,250.00	722.25	44,830.56	3,477.95	52,169.23
			type "h" outfall structures w/skimmer	1.00	each	2,250.00	24.000	MH/U			396.00	690.00	1,250.00	165.00		2,407.50	24.000	522.72	738.30	1,250.00	176.55	5,095.07	5,929.12	5,929.12

**MIXED-USE DEVELOPMENT**

Jacksonville, Florida  
CONCEPTUAL CIVIL ESTIMATE #1

WBS	Major	Minor	ITEM DESCRIPTIONS	QNTY	UNIT MSR	UNIT \$ MATERIAL	PRODUCTIVITY	UNIT/ TIME	CREW	ADJ. \$ HOURLY	UNIT \$ LABOR	UNIT \$ EQUIP	UNIT \$ SUB-CON	UNIT \$ OTHER	TOTAL MATERIAL	TOTAL.. MANHOURS	TOTAL LABOR	TOTAL EQUIPMENT	TOTAL SUB-CON	TOTAL OTHER	TOTAL COST*	UNIT PRICE	TOTAL AMOUNT
			misc. brick & cement	15.00	each	120.00	4.000	MH/U			66.00				1,926.00	60.000	1,306.80	-	-	-	3,232.80	250.80	3,762.00
			<b>SUBTOTAL AMOUNT</b>												<b>32,581.50</b>	<b>313.500</b>	<b>6,828.03</b>	<b>7,798.29</b>	<b>21,500.00</b>	<b>1,187.70</b>	<b>69,895.52</b>	-	<b>81,337.28</b>
			<b>REINFORCED CONCRETE PIPE</b>																				
			15" hdpe pipe	1,125.00	lnft	15.00	0.200	MH/U			3.30	6.80		0.50	18,056.25	225.000	4,900.50	8,185.50	-	601.88	31,744.13	32.84	36,940.57
			24" hdpe pipe	2,026.00	lnft	26.50	0.220	MH/U			3.96	7.48		1.00	57,447.23	445.720	10,590.31	16,215.29	-	2,167.82	86,420.65	49.64	100,567.54
			36" hdpe pipe	2,026.00	lnft	42.00	0.240	MH/U			3.96	8.16		1.00	91,048.44	486.240	10,590.31	17,689.41	-	2,167.82	121,495.98	69.79	141,384.63
			48" hdpe pipe	2,026.00	lnft	52.00	0.260	MH/U			4.29	8.84		1.00	112,726.64	526.760	11,472.83	19,163.53	-	2,167.82	145,530.82	83.59	169,353.92
			<b>SUBTOTAL AMOUNT</b>												<b>279,278.56</b>	<b>1683.720</b>	<b>37,553.95</b>	<b>61,253.73</b>	-	<b>7,105.34</b>	<b>385,191.58</b>	-	<b>448,246.67</b>
			<b>REINFORCED CONCRETE MES</b>																				
			24" hdpe pipe	1.00	each	205.00	2.909	MH/U			48.00	74.00	250.00		219.35	2.909	63.36	79.18	250.00	-	611.89	712.06	712.06
			48" hdpe pipe	2.00	each	475.00	3.879	MH/U			64.00	106.00	550.00		1,016.50	7.758	168.96	226.84	1,100.00	-	2,512.30	1,461.78	2,923.56
			<b>SUBTOTAL AMOUNT</b>												<b>1,235.85</b>	<b>10.667</b>	<b>232.32</b>	<b>306.02</b>	<b>1,350.00</b>	-	<b>3,124.19</b>	-	<b>3,635.61</b>
			<b>ROADWAY UNDER DRAIN</b>																				
			6" ads under drain system	6,755.00	lnft	7.00	0.242	MH/U			4.00	6.00			50,594.95	1634.710	35,666.40	43,367.10	-	-	129,628.45	22.33	150,848.37
			<b>SUBTOTAL AMOUNT</b>												<b>50,594.95</b>	<b>1634.710</b>	-	<b>43,367.10</b>	-	-	<b>93,962.05</b>	-	<b>150,848.37</b>
			<b>SUBTOTAL AMOUNT</b>												<b>363,690.86</b>	<b>3661.597</b>	<b>80,280.70</b>	<b>112,725.15</b>	<b>22,850.00</b>	<b>8,293.04</b>	<b>587,839.74</b>	<b>684,067.94</b>	<b>684,067.94</b>
7			<b>GRAVITY SANITARY SEWER SYSTEM</b>	<b>1.00</b>	<b>LSUM</b>																		
			<b>SANITARY SEWER MANHOLES</b>																				
			sanitary sewer manhole 06'-08'	10.00	each	1,250.00	7.500	MH/U			123.75	421.88	65.00	25.00	13,375.00	75.000	1,633.50	4,514.06	650.00	267.50	20,440.06	2,378.61	23,786.06
			sanitary sewer manhole 08'-10'	10.00	each	1,550.00	11.000	MH/U			198.00	718.00	65.00	35.00	16,585.00	110.000	2,613.60	7,682.60	650.00	374.50	27,905.70	3,247.38	32,473.81
			sanitary sewer manhole 10'-12'	5.00	each	1,650.00	14.000	MH/U			231.00	718.00	65.00	45.00	8,827.50	70.000	1,524.60	3,841.30	325.00	240.75	14,759.15	3,435.04	17,175.19
			<b>SUBTOTAL AMOUNT</b>												<b>1,235.85</b>	<b>29.667</b>	<b>232.32</b>	<b>306.02</b>	<b>1,350.00</b>	-	<b>3,124.19</b>	-	<b>3,635.61</b>
			<b>GRAVITY SANITARY SEWER PIPE</b>																				
			well-point dewatering system	8,355.00	lnft							1.21	1.44					10,833.75	12,000.00	-	22,833.75	3.18	26,571.59
			08" sdr-35 pvc pipe 06-08	1,600.00	lnft	3.45	2.200	MH/U			39.60	10.00		1.00	5,906.40	3520.000	83,635.20	17,120.00	-	1,712.00	108,373.60	78.82	126,114.14
			08" sdr-35 pvc pipe 08-10	6,755.00	lnft	3.45	2.400	MH/U			5.50	10.00		1.00	24,936.08	16212.000	49,041.30	72,278.50	-	7,227.85	153,483.73	26.44	178,608.71
			detection tape	6.00	roll	27.50	1.000	MH/U			16.50				176.55	6.000	130.68	-	-	-	307.23	59.59	357.52
			concrete encasement	2.00	each	450.00	12.000	MH/U			198.00	65.00			963.00	24.000	522.72	139.10	-	-	1,624.82	945.40	1,890.80
			sanitary service - sgl service assy	10.00	each	88.00	3.500	MH/U			57.75	206.00			941.60	35.000	762.30	2,204.20	-	-	3,908.10	454.78	4,547.85
			sanitary service - dbl service assy	8.00	each	115.00	4.000	MH/U			66.00	245.00			984.40	32.000	696.96	2,097.20	-	-	3,778.56	549.64	4,397.10
			06" clean-out assembly	26.00	each	85.00	1.500	MH/U			24.75	84.38	25.00		2,364.70	39.000	849.42	2,347.31	650.00	-	6,211.43	278.01	7,228.23
			<b>SUBTOTAL AMOUNT</b>												<b>36,272.73</b>	<b>19868.000</b>	<b>135,638.58</b>	<b>107,020.06</b>	<b>12,650.00</b>	<b>8,939.85</b>	<b>300,521.23</b>	-	<b>349,715.95</b>
			<b>BORE AND JACK (OPT.)</b>																				
			dig. dewater launch/receive pits	2.00	each	300.00	12.000	MH/U			198.00	150.00	500.00		642.00	24.000	522.72	321.00	1,000.00	-	2,485.72	1,446.31	2,892.63
			24" gravity bore casing pipe	120.00	each								315.00						37,800.00	-	37,800.00	366.56	43,987.78
			<b>SUBTOTAL AMOUNT</b>												<b>642.00</b>	<b>24.000</b>	<b>522.72</b>	<b>321.00</b>	<b>38,800.00</b>	-	<b>40,285.72</b>	-	<b>46,880.41</b>
			<b>SUBTOTAL AMOUNT</b>												<b>75,702.23</b>	<b>20147.000</b>	<b>141,933.00</b>	<b>123,379.03</b>	<b>53,075.00</b>	<b>9,822.60</b>	<b>403,911.86</b>	<b>470,031.42</b>	<b>470,031.42</b>
8			<b>LIFT STATION (RETAIL OPT.)</b>	<b>1.00</b>	<b>LSUM</b>																		
			<b>LIFT STATION</b>																				
			dewatering	1.00	lsum		40.000	MH/U			660.00	1,040.00	7,500.00		-	40.000	871.20	1,112.80	7,500.00	-	9,484.00	11,036.51	11,036.51
			excavation w/temp shoring	1.00	lsum		45.000	MH/U			742.50	1,620.00	1,500.00		-	45.000	980.10	1,733.40	1,500.00	-	4,213.50	4,903.24	4,903.24
			bedding stone	1.00	lsum	2,500.00	12.000	MH/U			990.00	432.00			2,675.00	60.000	1,306.80	462.24	-	-	4,444.04	5,171.52	5,171.52
			precast structure	1.00	lsum	12,000.00	65.000	MH/U			1,072.50	1,625.00			12,840.00	65.000	1,415.70	1,738.75	-	-	15,994.45	18,612.71	18,612.71
			pump package	1.00	lsum	32,500.00	42.000	MH/U			693.00	1,200.00	550.00	150.00	34,775.00	42.000	914.76	1,284.00	550.00	160.50	37,684.26	43,853.10	43,853.10
			mechanical piping	1.00	lsum	8,500.00	150.000	MH/U			2,475.00	1,200.00			9,095.00	150.000	3,267.00	1,284.00	-	-	13,646.00	15,879.82	15,879.82
			electrical panel	1.00	lsum							8,500.00			-		-	-	8,500.00	-	8,500.00	9,891.43	9,891.43
			telemetry	1.00	lsum							20,500.00			-		-	-	20,500.00	-	20,500.00	23,855.81	23,855.81
			fence enclosure w/dbl gate	1.00	lsum							4,750.00			-		-	-	4,750.00	-	4,750.00	5,527.57	5,527.57
			<b>SUBTOTAL AMOUNT</b>												<b>136,371.23</b>	<b>20597.000</b>	<b>151,734.00</b>	<b>131,636.22</b>	<b>173,975.00</b>	<b>9,983.10</b>	<b>603,699.55</b>	-	<b>702,523.96</b>
			<b>SUBTOTAL AMOUNT</b>												<b>59,385.00</b>	<b>402.000</b>	<b>8,755.56</b>	<b>7,615.19</b>	<b>43,300.00</b>	<b>160.50</b>	<b>119,216.25</b>	<b>138,731.71</b>	<b>138,731.71</b>
9			<b>SANITARY FORCE MAIN (OPTION)</b>	<b>1.00</b>	<b>LSUM</b>																		
			<b>SANITARY FORCE MAIN</b>																				
			air release valve	1.00	each								3,400.00		-		-	-	3,400.00	-	3,400.00	3,956.57	3,956.57
			8" x 4" tapn, slv, val & box	1.00	lsum	2,400.00	5.000	MH/U			82.50	162.50	400.00		2,568.00	5.000	108.90	173.88	400.00	-	3,250.78	3,782.92	3,782.92



