

CIPP REHABILITATION - SANITARY SEWER MAINS					
ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT OF MEASURE	UNIT PRICE	EXTENDED PRICE
A	8" diameter				
A-1	6.0 mm normal thickness (.236")	10,000	LF	\$ 23.10	\$ 231,000.00
A-2	7.5 mm normal thickness (.295")	10,000	LF	\$ 25.20	\$ 252,000.00
A-3	9.0 mm normal thickness (.354")	5,000	LF	\$ 26.00	\$ 130,000.00
				TOTAL "A"	\$ 613,000.00
B	10" diameter				
B-1	6.0 mm normal thickness (.236")	400	LF	\$ 27.30	\$ 10,920.00
B-2	7.5 mm normal thickness (.295")	400	LF	\$ 29.70	\$ 11,880.00
B-3	9.0 mm normal thickness (.354")	400	LF	\$ 31.00	\$ 12,400.00
				TOTAL "B"	\$ 35,200.00
C	12" diameter				
C-1	6.0 mm normal thickness (.236")	400	LF	\$ 30.40	\$ 12,160.00
C-2	7.5 mm normal thickness (.295")	400	LF	\$ 32.90	\$ 13,160.00
C-3	9.0 mm normal thickness (.354")	600	LF	\$ 39.30	\$ 23,580.00
				TOTAL "C"	\$ 48,900.00
D	15" diameter				
D-1	6.0 mm normal thickness (.236")	400	LF	\$ 38.00	\$ 15,200.00
D-2	7.5 mm normal thickness (.295")	400	LF	\$ 42.10	\$ 16,840.00
D-3	9.0 mm normal thickness (.354")	600	LF	\$ 49.10	\$ 29,460.00
				TOTAL "D"	\$ 61,500.00
E	18" diameter				
E-1	6.0 mm normal thickness (.236")	300	LF	\$ 37.90	\$ 11,370.00
E-2	7.5 mm normal thickness (.0295")	300	LF	\$ 45.00	\$ 13,500.00
E-3	9.0 mm normal thickness (.354")	300	LF	\$ 57.70	\$ 17,310.00
E-4	10.5 mm normal thickness (.413")	200	LF	\$ 61.20	\$ 12,240.00
				TOTAL "E"	\$ 54,420.00
F	21" diameter				
F-1	6.0 mm normal thickness (.236")	300	LF	\$ 44.00	\$ 13,200.00
F-2	7.5 mm normal thickness (.295")	300	LF	\$ 48.00	\$ 14,400.00
F-3	9.0 mm normal thickness (.354")	300	LF	\$ 67.50	\$ 20,250.00
F-4	10.5 mm normal thickness (.413")	300	LF	\$ 73.30	\$ 21,990.00
F-5	12.0 mm normal thickness (.472")	200	LF	\$ 78.90	\$ 15,780.00
F-6	Charge for each 1.5 mm thickness increase per LF exceeding 12.0 mm	100	LF	\$ 4.20	\$ 420.00
				TOTAL "F"	\$ 86,040.00

CIPP REHABILITATION - SANITARY SEWER MAINS					
ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT OF MEASURE	UNIT PRICE	EXTENDED PRICE
G	24" diameter				
G-1	9.0 mm normal thickness (.354")	300	LF	\$ 70.00	\$ 21,000.00
G-2	10.5 mm normal thickness (.413")	300	LF	\$ 82.50	\$ 24,750.00
G-3	12.0 mm normal thickness (.472")	300	LF	\$ 89.90	\$ 26,970.00
G-4	13.5 mm normal thickness (.531")	300	LF	\$ 94.90	\$ 28,470.00
G-5	15.0 mm normal thickness (.591")	200	LF	\$ 100.20	\$ 20,040.00
G-6	Charge for each 1.5 mm thickness increase per LF exceeding 15.0 mm	100	LF	\$ 4.30	\$ 430.00
				TOTAL "G"	\$ 121,660.00
H	27" diameter				
H-1	9.0 mm normal thickness (.354")	100	LF	\$ 74.00	\$ 7,400.00
H-2	10.5 mm normal thickness (.413")	100	LF	\$ 89.70	\$ 8,970.00
H-3	12.0 mm normal thickness (.472")	100	LF	\$ 97.90	\$ 9,790.00
H-4	13.5 mm normal thickness (.531")	50	LF	\$ 104.20	\$ 5,210.00
H-5	15.0 mm normal thickness (.591")	50	LF	\$ 110.30	\$ 5,515.00
H-6	Charge for each 1.5 mm thickness increase per LF exceeding 15.0 mm	100	LF	\$ 3.90	\$ 390.00
				TOTAL "H"	\$ 37,275.00
I	30" diameter				
I-1	9.0 mm normal thickness (.354")	100	LF	\$ 76.00	\$ 7,600.00
I-2	10.5 mm normal thickness (.413")	100	LF	\$ 101.10	\$ 10,110.00
I-3	12.0 mm normal thickness (.472")	100	LF	\$ 109.50	\$ 10,950.00
I-4	13.5 mm normal thickness (.531")	100	LF	\$ 115.90	\$ 11,590.00
I-5	15.0 mm normal thickness (.591")	100	LF	\$ 121.80	\$ 12,180.00
I-6	Charge for each 1.5 mm thickness increase per LF exceeding 15.0 mm	100	LF	\$ 5.50	\$ 550.00
				TOTAL "I"	\$ 52,980.00
J	36" diameter				
J-1	10.5 mm normal thickness (.413")	100	LF	\$ 90.00	\$ 9,000.00
J-2	12.0 mm normal thickness (.472")	100	LF	\$ 134.50	\$ 13,450.00
J-3	13.5 mm normal thickness (.531")	100	LF	\$ 142.80	\$ 14,280.00
J-4	15.0 mm normal thickness (.591")	100	LF	\$ 150.70	\$ 15,070.00
J-5	16.5 mm normal thickness (.650")	100	LF	\$ 157.40	\$ 15,740.00
J-6	18.0 mm normal thickness (.709")	100	LF	\$ 166.10	\$ 16,610.00
J-7	Charge for each 1.5 mm thickness increase per LF exceeding 18.0 mm	100	LF	\$ 5.60	\$ 560.00
				TOTAL "J"	\$ 84,710.00

CIPP REHABILITATION - SANITARY SEWER MAINS					
ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT OF MEASURE	UNIT PRICE	EXTENDED PRICE
K	42" diameter				
K-1	10.5 mm normal thickness (.413")	100	LF	\$ 119.80	\$ 11,980.00
K-2	12.0 mm normal thickness (.472")	100	LF	\$ 158.80	\$ 15,880.00
K-3	13.5 mm normal thickness (.531")	100	LF	\$ 167.60	\$ 16,760.00
K-4	15.0 mm normal thickness (.591")	100	LF	\$ 176.40	\$ 17,640.00
K-5	16.5 mm normal thickness (.650")	50	LF	\$ 185.20	\$ 9,260.00
K-6	18.0 mm normal thickness (.709")	50	LF	\$ 192.80	\$ 9,640.00
K-7	Charge for each 1.5 mm thickness increase per LF exceeding 18.0 mm	100	LF	\$ 7.10	\$ 710.00
				TOTAL "K"	\$ 81,870.00
	TOTAL "A" THRU "K"				\$ 1,277,555.00
CLEAN & INSPECTION - SANITARY SEWER MAINS					
L	Light Cleaning and Inspection				
L-1	8" – 12" diameter	6,000	LF	\$ 2.50	\$ 15,000.00
L-2	14" – 18" diameter	6,000	LF	\$ 5.00	\$ 30,000.00
L-3	20" – 24" diameter	6,000	LF	\$ 7.00	\$ 42,000.00
L-4	27" – 42" diameter	6,000	LF	\$ 10.00	\$ 60,000.00
L-5	48" – 72" diameter	6,000	LF	\$ 12.10	\$ 72,600.00
				TOTAL "L"	\$ 219,600.00
M	Medium Cleaning				
M-1	8" – 12" diameter	6,000	LF	\$ 3.70	\$ 22,200.00
M-2	14" – 18" diameter	6,000	LF	\$ 7.00	\$ 42,000.00
M-3	20" – 24" diameter	6,000	LF	\$ 10.00	\$ 60,000.00
M-4	27" – 42" diameter	6,000	LF	\$ 13.10	\$ 78,600.00
M-5	48" – 72" diameter	6,000	LF	\$ 15.10	\$ 90,600.00
				TOTAL "M"	\$ 293,400.00
N	Heavy Cleaning				
N-1	8" – 12" diameter	6,000	LF	\$ 3.30	\$ 19,800.00
N-2	14" – 18" diameter	6,000	LF	\$ 8.00	\$ 48,000.00
N-3	20" – 24" diameter	6,000	LF	\$ 12.10	\$ 72,600.00
N-4	27" – 42" diameter	6,000	LF	\$ 16.10	\$ 96,600.00
N-5	48" – 72" diameter	6,000	LF	\$ 18.10	\$ 108,600.00
		6,000	LF		\$ -
				TOTAL "N"	\$ 345,600.00
O	Root Removal				
O-1	8" – 12" diameter	6,000	LF	\$ 1.60	\$ 9,600.00
O-2	14" – 18" diameter	6,000	LF	\$ 2.60	\$ 15,600.00
O-3	20" – 24" diameter	6,000	LF	\$ 4.80	\$ 28,800.00
O-4	27" – 42" diameter	6,000	LF	\$ 5.30	\$ 31,800.00
O-5	48" – 72" diameter	6,000	LF	\$ 6.30	\$ 37,800.00
				TOTAL "O"	\$ 123,600.00

CLEAN & INSPECTION - SANITARY SEWER MAINS					
ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT OF MEASURE	UNIT PRICE	EXTENDED PRICE
P	Tuberculation Cleaning				
P-1	8" – 12" diameter	6,000	LF	\$ 19.00	\$ 114,000.00
P-2	14" – 18" diameter	6,000	LF	\$ 21.70	\$ 130,200.00
P-3	20" – 24" diameter	6,000	LF	\$ 22.70	\$ 136,200.00
P-4	27" – 42" diameter	6,000	LF	\$ 23.30	\$ 139,800.00
P-5	48" – 72" diameter	6,000	LF	\$ 25.90	\$ 155,400.00
				TOTAL "P"	\$ 675,600.00
	TOTAL "L" THRU "P"				\$ 1,657,800.00
SANITARY SEWER					
LATERAL CIPP LINING-TOP HAT/FULL WRAP - UP TO 36"					
Q					
Q-1	Four (4) inch lateral connection per ASTM F1216-16	20	EA	\$ 2,009.90	\$ 40,198.00
Q-2	Six (6) inch lateral connection per ASTM F1216-16	20	EA	\$ 2,009.90	\$ 40,198.00
Q-3	Eight (8) inch lateral connection per ASTM F1216-16	20	EA	\$ 2,009.90	\$ 40,198.00
Q-4	Lateral lining 0 to 30' per ASTM F1216-16	100	LF	\$ 79.30	\$ 7,930.00
Q-5	Additional Lateral Lining > 30' per ASTM F1216-16	100	LF	\$ 37.00	\$ 3,700.00
Q-6	Lateral Cutout	20	EA	\$ 195.00	\$ 3,900.00
Q-4	Lateral Grout	20	EA	\$ 390.20	\$ 7,804.00
	TOTAL "Q"				\$ 143,928.00
SANITARY SEWER					
MANHOLE/LIFT STATION REFURBISHMENT					
R					
R-1	Interior Manhole Application (Precast)	2,000	SF	\$ 19.00	\$ 38,000.00
R-2	Interior Manhole Application (Brick)	2,000	SF	\$ 23.30	\$ 46,600.00
R-3	Interior Lift Station Application (Precast)	2,000	SF	\$ 21.20	\$ 42,400.00
R-4	Interior Lift Station Application (Brick)	2,000	SF	\$ 26.40	\$ 52,800.00
R-5	Bench/Invert Repair	200	EA	\$ 528.90	\$ 105,780.00
	TOTAL "R"				\$ 285,580.00
SANITARY SEWER					
CLEANOUT INSTALLATION					
ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT OF MEASURE	UNIT PRICE	EXTENDED PRICE
S					
S-1	Four (4) inch cleanout	20	EA	\$ 528.90	\$ 10,578.00
S-2	Six (6) inch cleanout	20	EA	\$ 634.70	\$ 12,694.00
S-3	Eight (8) inch cleanout	20	EA	\$ 793.40	\$ 15,868.00
	TOTAL "S"				\$ 39,140.00

	MANHOLE CLEANING				
ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT OF MEASURE	UNIT PRICE	EXTENDED PRICE
T	Manhole cleaning	2,000	SF	\$ 5.30	\$ 10,600.00
	TOTAL "T"				\$ 10,600.00
	TOTAL "Q" THRU "T"				\$ 479,248.00
	CIPP REHABILITATION - STORMWATER MAINS				
U	8" diameter				
U-1	6.0 mm normal thickness (.236")	500	LF	\$ 39.50	\$ 19,750.00
				TOTAL "U"	\$ 19,750.00
V	10" diameter				
V-1	6.0 mm normal thickness (.236")	400	LF	\$ 45.50	\$ 18,200.00
V-2	7.5 mm normal thickness (.295")	400	LF	\$ 48.00	\$ 19,200.00
				TOTAL "V"	\$ 37,400.00
W	12" diameter				
W-1	6.0 mm normal thickness (.236")	750	LF	\$ 48.80	\$ 36,600.00
W-2	7.5 mm normal thickness (.295")	750	LF	\$ 51.50	\$ 38,625.00
				TOTAL "W"	\$ 75,225.00
X	15" diameter				
X-1	6.0 mm normal thickness (.236")	1,000	LF	\$ 55.00	\$ 55,000.00
X-2	7.5 mm normal thickness (.295")	1,500	LF	\$ 64.50	\$ 96,750.00
X-3	9.0 mm normal thickness (.354")	1,000	LF	\$ 76.90	\$ 76,900.00
X-4	Charge for each 1.5 mm thickness increase per LF exceeding 9.0 mm	100	LF	\$ 2.10	\$ 210.00
				TOTAL "X"	\$ 228,860.00
Y	18" diameter				
Y-1	6.0 mm normal thickness (.236")	1,250	LF	\$ 52.20	\$ 65,250.00
Y-2	7.5 mm normal thickness (.295")	1,250	LF	\$ 67.60	\$ 84,500.00
Y-3	9.0 mm normal thickness (.354")	1,250	LF	\$ 79.40	\$ 99,250.00
Y-4	10.5 mm normal thickness (.413")	1,250	LF	\$ 82.90	\$ 103,625.00
Y-5	Charge for each 1.5 mm thickness increase per LF exceeding 10.5 mm	100	LF	\$ 4.20	\$ 420.00
				TOTAL "Y"	\$ 353,045.00
Z	21" diameter				
Z-1	6.0 mm normal thickness (.236")	220	LF	\$ 59.70	\$ 13,134.00
Z-2	7.5 mm normal thickness (.295")	220	LF	\$ 63.50	\$ 13,970.00
Z-3	9.0 mm normal thickness (.354")	220	LF	\$ 90.10	\$ 19,822.00
Z-4	10.5 mm normal thickness (.413")	220	LF	\$ 96.10	\$ 21,142.00
Z-5	12.0 mm normal thickness (.472")	200	LF	\$ 104.40	\$ 20,880.00
Z-6	Charge for each 1.5 mm thickness increase per LF exceeding 12.0 mm	100	LF	\$ 4.20	\$ 420.00
				TOTAL "Z"	\$ 89,368.00

CIPP REHABILITATION - STORMWATER MAINS					
ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT OF MEASURE	UNIT PRICE	EXTENDED PRICE
AA	24" diameter				
AA-1	9.0 mm normal thickness (.354")	700	LF	\$ 95.00	\$ 66,500.00
AA-2	10.5 mm normal thickness (.413")	700	LF	\$ 106.70	\$ 74,690.00
AA-3	12.0 mm normal thickness (.472")	700	LF	\$ 116.80	\$ 81,760.00
AA-4	13.5 mm normal thickness (.531")	700	LF	\$ 122.00	\$ 85,400.00
AA-5	15.0 mm normal thickness (.591")	700	LF	\$ 127.50	\$ 89,250.00
AA-6	Charge for each 1.5 mm thickness increase per LF exceeding 15.0 mm	100	LF	\$ 4.30	\$ 430.00
				TOTAL "AA"	\$ 398,030.00
BB	27" diameter				
BB-1	9.0 mm normal thickness (.354")	220	LF	\$ 100.00	\$ 22,000.00
BB-2	10.5 mm normal thickness (.413")	220	LF	\$ 113.70	\$ 25,014.00
BB-3	12.0 mm normal thickness (.472")	220	LF	\$ 124.60	\$ 27,412.00
BB-4	13.5 mm normal thickness (.531")	220	LF	\$ 131.20	\$ 28,864.00
BB-5	15.0 mm normal thickness (.591")	220	LF	\$ 137.60	\$ 30,272.00
BB-6	Charge for each 1.5 mm thickness increase per LF exceeding 15.0 mm	100	LF	\$ 4.50	\$ 450.00
				TOTAL "BB"	\$ 134,012.00
CC	30" diameter				
CC-1	9.0 mm normal thickness (.354")	600	LF	\$ 100.00	\$ 60,000.00
CC-2	10.5 mm normal thickness (.413")	600	LF	\$ 113.70	\$ 68,220.00
CC-3	12.0 mm normal thickness (.472")	600	LF	\$ 123.30	\$ 73,980.00
CC-4	13.5 mm normal thickness (.531")	600	LF	\$ 129.90	\$ 77,940.00
CC-5	15.0 mm normal thickness (.591")	600	LF	\$ 135.90	\$ 81,540.00
CC-6	Charge for each 1.5 mm thickness increase per LF exceeding 15.0 mm	100	LF	\$ 5.50	\$ 550.00
				TOTAL "CC"	\$ 362,230.00
DD	36" diameter				
DD-1	10.5 mm normal thickness (.413")	500	LF	\$ 108.00	\$ 54,000.00
DD-2	12.0 mm normal thickness (.472")	500	LF	\$ 151.70	\$ 75,850.00
DD-3	13.5 mm normal thickness (.531")	500	LF	\$ 160.30	\$ 80,150.00
DD-4	15.0 mm normal thickness (.591")	500	LF	\$ 168.30	\$ 84,150.00
DD-5	16.5 mm normal thickness (.650")	250	LF	\$ 175.10	\$ 43,775.00
DD-6	18.0 mm normal thickness (.709")	250	LF	\$ 184.00	\$ 46,000.00
DD-7	Charge for each 1.5 mm thickness increase per LF exceeding 18.0 mm	100	LF	\$ 5.60	\$ 560.00
				TOTAL "DD"	\$ 384,485.00

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EE	42" diameter				
EE-1	10.5 mm normal thickness (.413")	250	LF	\$ 120.00	\$ 30,000.00
EE-2	12.0 mm normal thickness (.472")	250	LF	\$ 140.00	\$ 35,000.00
EE-3	13.5 mm normal thickness (.531")	250	LF	\$ 185.80	\$ 46,450.00
EE-4	15.0 mm normal thickness (.591")	250	LF	\$ 194.80	\$ 48,700.00
EE-5	16.5 mm normal thickness (.650")	250	LF	\$ 203.80	\$ 50,950.00
EE-6	18.0 mm normal thickness (.709")	250	LF	\$ 211.50	\$ 52,875.00
EE-7	Charge for each 1.5 mm thickness increase per LF exceeding 18.0 mm	100	LF	\$ 7.10	\$ 710.00
				TOTAL "EE"	\$ 264,685.00
FF	48" diameter				
FF-1	12.0 mm normal thickness (.472")	200	LF	\$ 150.00	\$ 30,000.00
FF-2	13.5 mm normal thickness (.531")	200	LF	\$ 160.00	\$ 32,000.00
FF-3	15.0 mm normal thickness (.591")	200	LF	\$ 225.30	\$ 45,060.00
FF-4	16.5 mm normal thickness (.650")	200	LF	\$ 235.60	\$ 47,120.00
FF-5	18.0 mm normal thickness (.709")	200	LF	\$ 244.60	\$ 48,920.00
FF-6	19.5 mm normal thickness (.768")	100	LF	\$ 262.20	\$ 26,220.00
FF-7	21.0 mm normal thickness (.827")	100	LF	\$ 270.90	\$ 27,090.00
FF-8	Charge for each 1.5 mm thickness increase per LF exceeding 21.0 mm	100	LF	\$ 8.00	\$ 800.00
				TOTAL "FF"	\$ 257,210.00
GG	52" diameter				
GG-1	10.5 mm normal thickness (.413")	25	LF	\$ 145.00	\$ 3,625.00
GG-2	12.0 mm normal thickness (.472")	25	LF	\$ 155.00	\$ 3,875.00
GG-3	13.5 mm normal thickness (.531")	25	LF	\$ 165.00	\$ 4,125.00
GG-4	15.0 mm normal thickness (.591")	25	LF	\$ 196.50	\$ 4,912.50
GG-5	16.5 mm normal thickness (.650")	25	LF	\$ 204.20	\$ 5,105.00
GG-6	18.0 mm normal thickness (.709")	25	LF	\$ 262.20	\$ 6,555.00
GG-7	19.5 mm normal thickness (.768")	25	LF	\$ 279.30	\$ 6,982.50
GG-8	21.0 mm normal thickness (.827")	25	LF	\$ 290.40	\$ 7,260.00
GG-9	22.5 mm normal thickness (.886")	100	LF	\$ 302.60	\$ 30,260.00
GG-10	Charge for each 1.5 mm thickness increase per LF exceeding 22.5 mm	100	LF	\$ 9.60	\$ 960.00
				TOTAL "GG"	\$ 73,660.00

	CIPP REHABILITATION - STORMWATER MAINS				
ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT OF MEASURE	UNIT PRICE	EXTENDED PRICE
HH	54" diameter				
HH-1	10.5 mm normal thickness (.413")	25	LF	\$ 150.00	\$ 3,750.00
HH-2	12.0 mm normal thickness (.472")	25	LF	\$ 160.00	\$ 4,000.00
HH-3	13.5 mm normal thickness (.531")	25	LF	\$ 170.00	\$ 4,250.00
HH-4	15.0 mm normal thickness (.591")	25	LF	\$ 210.00	\$ 5,250.00
HH-5	16.5 mm normal thickness (.650")	25	LF	\$ 215.00	\$ 5,375.00
HH-6	18.0 mm normal thickness (.709")	25	LF	\$ 288.90	\$ 7,222.50
HH-7	19.5 mm normal thickness (.768")	25	LF	\$ 305.50	\$ 7,637.50
HH-8	21.0 mm normal thickness (.827")	25	LF	\$ 406.10	\$ 10,152.50
HH-9	22.5 mm normal thickness (.886")	100	LF	\$ 419.70	\$ 41,970.00
HH-10	Charge for each 1.5 mm thickness increase per LF exceeding 22.5 mm	100	LF	\$ 9.80	\$ 980.00
				TOTAL "HH"	\$ 90,587.50
II	60" diameter				
II-1	10.5 mm normal thickness (.413")	25	LF	\$ 302.40	\$ 7,560.00
II-2	12.0 mm normal thickness (.472")	25	LF	\$ 319.00	\$ 7,975.00
II-3	13.5 mm normal thickness (.531")	25	LF	\$ 330.20	\$ 8,255.00
II-4	15.0 mm normal thickness (.591")	25	LF	\$ 341.20	\$ 8,530.00
II-5	16.5 mm normal thickness (.650")	25	LF	\$ 350.40	\$ 8,760.00
II-6	18.0 mm normal thickness (.709")	25	LF	\$ 445.50	\$ 11,137.50
II-7	19.5 mm normal thickness (.768")	25	LF	\$ 468.90	\$ 11,722.50
II-8	21.0 mm normal thickness (.827")	25	LF	\$ 483.90	\$ 12,097.50
II-9	22.5 mm normal thickness (.886")	100	LF	\$ 499.10	\$ 49,910.00
II-10	Charge for each 1.5 mm thickness increase per LF exceeding 22.5 mm	100	LF	\$ 13.50	\$ 1,350.00
				TOTAL "II"	\$ 127,297.50
JJ	72" diameter				
JJ-1	10.5 mm normal thickness (.413")	25	LF	\$ 500.10	\$ 12,502.50
JJ-2	12.0 mm normal thickness (.472")	25	LF	\$ 506.20	\$ 12,655.00
JJ-3	13.5 mm normal thickness (.531")	25	LF	\$ 519.70	\$ 12,992.50
JJ-4	15.0 mm normal thickness (.591")	25	LF	\$ 532.80	\$ 13,320.00
JJ-5	16.5 mm normal thickness (.650")	25	LF	\$ 546.60	\$ 13,665.00
JJ-6	18.0 mm normal thickness (.709")	25	LF	\$ 680.50	\$ 17,012.50
JJ-7	19.5 mm normal thickness (.768")	25	LF	\$ 763.20	\$ 19,080.00
JJ-8	21.0 mm normal thickness (.827")	25	LF	\$ 781.80	\$ 19,545.00
JJ-9	22.5 mm normal thickness (.886")	100	LF	\$ 796.30	\$ 79,630.00
JJ-10	Charge for each 1.5 mm thickness increase per LF exceeding 22.5 mm	100	LF	\$ 14.70	\$ 1,470.00
				TOTAL "JJ"	\$ 201,872.50
	Total CIPP Rehabilitation - Stormwater Mains ("U" THRU "JJ")				\$ 3,097,717.50

CLEAN & INSPECTION - STORMWATER MAINS					
ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT OF MEASURE	UNIT PRICE	EXTENDED PRICE
KK	Light Cleaning and inspection				
KK-1	8" - 12" diameter	6,000	LF	\$ 6.00	\$ 36,000.00
KK-2	14" - 18" diameter	6,000	LF	\$ 8.00	\$ 48,000.00
KK-3	20" - 24" diameter	6,000	LF	\$ 9.00	\$ 54,000.00
KK-4	27" - 42" diameter	6,000	LF	\$ 12.10	\$ 72,600.00
KK-5	48" - 72" diameter	6,000	LF	\$ 16.10	\$ 96,600.00
				TOTAL "KK"	\$ 307,200.00
LL	Medium Cleaning				
LL-1	8" - 12" diameter	6,000	LF	\$ 9.00	\$ 54,000.00
LL-2	14" - 18" diameter	6,000	LF	\$ 11.10	\$ 66,600.00
LL-3	20" - 24" diameter	6,000	LF	\$ 14.10	\$ 84,600.00
LL-4	27" - 42" diameter	6,000	LF	\$ 17.10	\$ 102,600.00
LL-5	48" - 72" diameter	6,000	LF	\$ 20.10	\$ 120,600.00
				TOTAL "LL"	\$ 428,400.00
MM	Heavy Cleaning				
MM-1	8" - 12" diameter	6,000	LF	\$ 11.10	\$ 66,600.00
MM-2	14" - 18" diameter	6,000	LF	\$ 16.10	\$ 96,600.00
MM-3	20" - 24" diameter	6,000	LF	\$ 20.10	\$ 120,600.00
MM-4	27" - 42" diameter	6,000	LF	\$ 26.10	\$ 156,600.00
MM-5	48" - 72" diameter	6,000	LF	\$ 32.20	\$ 193,200.00
				TOTAL "MM"	\$ 633,600.00
NN	Root Removal				
NN-1	8" - 12" diameter	6,000	LF	\$ 1.60	\$ 9,600.00
NN-2	14" - 18" diameter	6,000	LF	\$ 2.60	\$ 15,600.00
NN-3	20" - 24" diameter	6,000	LF	\$ 4.80	\$ 28,800.00
NN-4	27" - 42" diameter	6,000	LF	\$ 5.30	\$ 31,800.00
NN-5	48" - 72" diameter	6,000	LF	\$ 6.30	\$ 37,800.00
				TOTAL "NN"	\$ 123,600.00
OO	Tuberculation Cleaning				
OO-1	8" - 12" diameter	6,000	LF	\$ 19.00	\$ 114,000.00
OO-2	14" - 18" diameter	6,000	LF	\$ 21.70	\$ 130,200.00
OO-3	20" - 24" diameter	6,000	LF	\$ 22.70	\$ 136,200.00
OO-4	27" - 42" diameter	6,000	LF	\$ 23.30	\$ 139,800.00
OO-5	8" - 72" diameter	6,000	LF	\$ 25.90	\$ 155,400.00
				TOTAL "OO"	\$ 675,600.00
PP	Stormwater Manhole Cleaining	2,800	SF	\$ 5.30	\$ 14,840.00
				TOTAL "PP"	\$ 14,840.00
	TOTAL "KK" THRU "PP"				\$ 2,183,240.00

ANCILLARY GENERAL SERVICES					
ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT OF MEASURE	UNIT PRICE	EXTENDED PRICE
QQ	By-Pass Pumping				
QQ-1	8" diameter	5	LS	\$ 317.40	\$ 1,587.00
QQ-2	10" diameter	5	LS	\$ 317.40	\$ 1,587.00
QQ-3	12" diameter	5	LS	\$ 1,586.80	\$ 7,934.00
QQ-4	15" diameter	5	LS	\$ 6,347.00	\$ 31,735.00
QQ-5	18" diameter	5	LS	\$ 11,107.30	\$ 55,536.50
QQ-6	21" diameter	5	LS	\$ 12,694.10	\$ 63,470.50
QQ-7	24" diameter	5	LS	\$ 14,280.80	\$ 71,404.00
QQ-8	27" diameter	5	LS	\$ 15,867.60	\$ 79,338.00
QQ-9	30" diameter	5	LS	\$ 17,454.30	\$ 87,271.50
QQ-10	36" diameter	5	LS	\$ 19,041.10	\$ 95,205.50
				TOTAL "QQ"	\$ 495,069.00
RR	Standard Service Reconnection	25	Each	\$ 195.00	\$ 4,875.00
				TOTAL "RR"	\$ 4,875.00
SS	Traffic Control - FDOT Right of Way				
SS-1	Flagman	10	Setup	\$ 655.90	\$ 6,559.00
SS-2	Arrow Board	10	Setup	\$ 190.40	\$ 1,904.00
SS-3	Barricades	10	Setup	\$ 359.70	\$ 3,597.00
SS-4	Lane Dividers	10	Setup	\$ 15.90	\$ 159.00
				TOTAL "SS"	\$ 12,219.00
TT	Traffic Control - City Right of Way				
TT-1	Flagman	10	Setup	\$ 655.90	\$ 6,559.00
TT-2	Arrow Board	10	Setup	\$ 190.40	\$ 1,904.00
TT-3	Barricades	10	Setup	\$ 264.50	\$ 2,645.00
TT-4	Lane Dividers	10	Setup	\$ 15.90	\$ 159.00
				TOTAL "TT"	\$ 11,267.00
UU	Traffic Control - County Right of Way				
UU-1	Flagman	10	Setup	\$ 655.90	\$ 6,559.00
UU-2	Arrow Board	10	Setup	\$ 190.40	\$ 1,904.00
UU-3	Barricades	10	Setup	\$ 359.70	\$ 3,597.00
UU-4	Lane Dividers	10	Setup	\$ 15.90	\$ 159.00
				TOTAL "UU"	\$ 12,219.00

ANCILLARY GENERAL SERVICES					
ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT OF MEASURE	UNIT PRICE	EXTENDED PRICE
VV	Easement Access				
VV-1	6" to 12" diameter	100	LF	\$ 3.70	\$ 370.00
VV-2	14" to 18" diameter	100	LF	\$ 4.80	\$ 480.00
VV-3	20" to 24" diameter	100	LF	\$ 6.10	\$ 610.00
VV-4	27" to 30" diameter	100	LF	\$ 9.80	\$ 980.00
VV-5	36" to 42" diameter	100	LF	\$ 10.80	\$ 1,080.00
VV-6	48" to 54" diameter	100	LF	\$ 16.10	\$ 1,610.00
				TOTAL "VV"	\$ 5,130.00
WW	Manhole Cleaning	2,800	SF	\$ 5.30	\$ 14,840.00
				TOTAL "WW"	\$ 14,840.00
XX	Grout fill abandoned pipe	1,000	CY	\$ 158.70	\$ 158,700.00
				TOTAL "XX"	\$ 158,700.00
YY	Chemical and physical product testing	10	EA	\$ 264.50	\$ 2,645.00
				TOTAL "YY"	\$ 2,645.00
ZZ	Erosion and sediment control				
ZZ-1	Silt Fencing	200	LF	\$ 4.20	\$ 840.00
ZZ-2	Floating Turbidity Barrier	200	LF	\$ 15.90	\$ 3,180.00
ZZ-3	Gutter Buddy	100	EA	\$ 52.90	\$ 5,290.00
				TOTAL "ZZ"	\$ 9,310.00
AAA	Mobilization	20	Setup	\$ 3,578.40	\$ 71,568.00
				TOTAL "AAA"	\$ 71,568.00
BBB	Bonds	100,000	Percentage	\$ 0.03	\$ 3,000.00
				TOTAL "BBB"	\$ 3,000.00
	TOTAL "QQ" THRU "BBB"				\$ 800,842.00
	TOTAL ESTIMATED BID AMOUNT				\$ 9,496,402.50

	ADDITIVE ALTERNATE No. 1				
	SANITARY SEWER				
	LINE RECONSTRUCTION SDR 26 LESS THAN 10' DEPTH				
CCC					
CCC-1	15"	100	LF	\$ 272.00	\$ 27,200.00
CCC-2	18"	100	LF	\$ 292.20	\$ 29,220.00
CCC-3	24"	100	LF	\$ 385.60	\$ 38,560.00
CCC-4	30"	100	LF	\$ 464.10	\$ 46,410.00
CCC-5	36"	100	LF	\$ 582.90	\$ 58,290.00
CCC-6	42"	100	LF	\$ 594.10	\$ 59,410.00
CCC-7	48"	100	LF	\$ 1,193.20	\$ 119,320.00
CCC-8	54"	100	LF	\$ 1,500.00	\$ 150,000.00
CCC-9	60"	100	LF	\$ 2,000.00	\$ 200,000.00
CCC-10	66"	50	LF	\$ 2,500.00	\$ 125,000.00
CCC-11	72"	50	LF	\$ 3,000.00	\$ 150,000.00
				TOTAL "CCC"	\$ 1,003,410.00
	SANITARY SEWER				
	LINE RECONSTRUCTION C900 GREATER THAN 10' DEPTH				
DDD					
DDD-1	15"	100	LF	\$ 333.30	\$ 33,330.00
DDD-2	18"	100	LF	\$ 358.30	\$ 35,830.00
DDD-3	24"	100	LF	\$ 469.00	\$ 46,900.00
DDD-4	30"	100	LF	\$ 578.50	\$ 57,850.00
DDD-5	36"	100	LF	\$ 745.00	\$ 74,500.00
DDD-6	42"	100	LF	\$ 1,391.10	\$ 139,110.00
DDD-7	48"	100	LF	\$ 1,500.00	\$ 150,000.00
DDD-8	54"	100	LF	\$ 2,000.00	\$ 200,000.00
DDD-9	60"	100	LF	\$ 2,500.00	\$ 250,000.00
DDD-10	66"	50	LF	\$ 3,000.00	\$ 150,000.00
DDD-11	72"	50	LF	\$ 3,500.00	\$ 175,000.00
				TOTAL "DDD"	\$ 1,312,520.00

	STORMWATER MAINS				
EEE	Line Reconstruction (concrete collars are incidental) greater than 8' depth and under roadways				
EEE-1	15" RCP	250	LF	\$ 161.30	\$ 40,325.00
EEE-2	18" RCP	250	LF	\$ 171.10	\$ 42,775.00
EEE-3	24" RCP	250	LF	\$ 188.60	\$ 47,150.00
EEE-4	30" RCP	250	LF	\$ 227.30	\$ 56,825.00
EEE-5	36" RCP	250	LF	\$ 256.20	\$ 64,050.00
EEE-6	48" RCP	250	LF	\$ 324.20	\$ 81,050.00
EEE-7	54" RCP	250	LF	\$ 386.40	\$ 96,600.00
EEE-8	60" RCP	250	LF	\$ 424.70	\$ 106,175.00
EEE-9	72" RCP	500	LF	\$ 548.60	\$ 274,300.00
				TOTAL "EEE"	\$ 809,250.00
FFF	HDPE Line Reconstruction less than 8'				
FFF-1	15" HDPE	250	LF	\$ 133.60	\$ 33,400.00
FFF-2	18" HDPE	250	LF	\$ 142.20	\$ 35,550.00
FFF-3	24" HDPE	250	LF	\$ 160.60	\$ 40,150.00
FFF-4	30" HDPE	250	LF	\$ 203.10	\$ 50,775.00
FFF-5	36" HDPE	250	LF	\$ 209.80	\$ 52,450.00
FFF-6	42" HDPE	250	LF	\$ 231.70	\$ 57,925.00
FFF-7	48" HDPE	250	LF	\$ 279.80	\$ 69,950.00
FFF-8	54" HDPE	250	LF	\$ 310.00	\$ 77,500.00
FFF-9	60" HDPE	250	LF	\$ 353.50	\$ 88,375.00
FFF-10	70" HDPE	500	LF	\$ 390.00	\$ 195,000.00
				TOTAL "FFF"	\$ 701,075.00
	TOTAL "CCC" THRU "FFF"				\$ 3,826,255.00