City of Joliet, Illinois
Collins Street Water Main Improvements

Bid Date/Time: December 15, 2022 at 1:00 P.M.
Engineer's Job No. 211917.40

				Engineer's Estimate		Austin Tyler Construction, Inc.		P.T. Ferro Construction Company	
No.	Item	QTY	Unit	Unit Price	Total Price	Unit Price	Total	Unit Price	Total
PART A - WATER MAIN IMPROVEMENTS									
1	PRECONSTRUCTION VIDEO RECORDING	1	LSUM	$ 10,000.00	$ 10,000.00	$ 250,000.00	$ 250,000.00	$ 500.00	$ 500.00
2	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	1	LSUM	$ 100,000.00	$ 100,000.00	$ 879,000.00	$ 879,000.00	$ 965,000.00	$ 965,000.00
3	GRANULAR TRENCH BACKFILL	1,000	CUYD	$ 40.00	$ 40,000.00	$ 0.01	$ 10.00	$ 0.01	$ 10.00
4	TRENCH BACKFILL (SPECIAL)	4,100	CUYD	$ 50.00	$ 205,000.00	$ 0.01	$ 41.00	$ 0.01	$ 41.00
5	DUCTILE IRON PIPE MOBILIZATION	7071	FOOT	$ 2.00	$ 14,142.00	$ 4.00	$ 28,284.00	$ 0.01	$ 70.71
6	WATER MAIN (OPEN CUT), 6-INCH	170	FOOT	$ 65.00	$ 11,050.00	$ 220.00	$ 37,400.00	$ 170.00	$ 28,900.00
7	WATER MAIN (OPEN CUT), 8-INCH	1313	FOOT	$ 75.00	$ 98,475.00	$ 145.00	$ 190,385.00	$ 170.00	$ 223,210.00
8	WATER MAIN (OPEN CUT), 12-INCH	509	FOOT	$ 80.00	$ 40,720.00	$ 120.00	$ 61,080.00	$ 170.00	$ 86,530.00
9	WATER MAIN (OPEN CUT), 16-INCH	4730	FOOT	$ 85.00	$ 402,050.00	$ 115.00	$ 543,950.00	$ 175.00	$ 827,750.00
10	WATER MAIN (IN BORED CASING), 16-INCH D.I. WATER MAIN IN 36-INCH CASING	100	FOOT	$ 1,000.00	$ 100,000.00	$ 2,365.00	$ 236,500.00	$ 2,500.00	$ 250,000.00
11	MISCELLANEOUS FITTINGS	6,000	POUND	$ 5.00	$ 30,000.00	$ 0.01	$ 60.00	$ 10.00	$ 60,000.00
12	WATER SERVICE CONNECTION TO WATER MAIN AND CURB STOP, 1-INCH	26	EACH	$ 2,400.00	$ 62,400.00	$ 3,200.00	$ 83,200.00	$ 2,200.00	$ 57,200.00
13	WATER SERVICE CONNECTION TO WATER MAIN AND CURB STOP, 1.5-INCH	2	EACH	$ 3,300.00	$ 6,600.00	$ 4,200.00	$ 8,400.00	$ 3,100.00	$ 6,200.00
14	WATER SERVICE CONNECTION TO WATER MAIN AND CURB STOP, 2-INCH	2	EACH	$ 5,000.00	$ 10,000.00	$ 5,400.00	$ 10,800.00	$ 3,500.00	$ 7,000.00
15	WATER SERVICE LINE TYPE K - OPEN CUT, 1-INCH	129	FOOT	$ 50.00	$ 6,450.00	$ 70.00	$ 9,030.00	$ 150.00	$ 19,350.00
16	WATER SERVICE LINE TYPE K - OPEN CUT, 1.5-INCH	50	FOOT	$ 55.00	$ 2,750.00	$ 75.00	$ 3,750.00	$ 150.00	$ 7,500.00
17	WATER SERVICE LINE TYPE K - OPEN CUT, 2-INCH	50	FOOT	$ 60.00	$ 3,000.00	$ 85.00	$ 4,250.00	$ 150.00	$ 7,500.00
18	WATER SERVICE LINE TYPE K - DIRECTIONAL DRILLING, 1-INCH	651	FOOT	$ 30.00	$ 19,530.00	$ 33.00	$ 21,483.00	$ 50.00	$ 32,550.00
19	WATER SERVICE LINE TYPE K - DIRECTIONAL DRILLING, 1.5-INCH	100	FOOT	$ 45.00	$ 4,500.00	$ 39.00	$ 3,900.00	$ 65.00	$ 6,500.00
20	WATER SERVICE LINE TYPE K - DIRECTIONAL DRILLING, 2-INCH	100	FOOT	$ 60.00	$ 6,000.00	$ 47.00	$ 4,700.00	$ 75.00	$ 7,500.00
21	WATER SERVICE CASING PIPE, 2-INCH	120	FOOT	$ 40.00	$ 4,800.00	$ 46.00	$ 5,520.00	$ 180.00	$ 21,600.00
22	CONNECT TO WATER MAIN (NON-PRESSURE), 6-INCH	9	EACH	$ 4,000.00	$ 36,000.00	$ 5,400.00	$ 48,600.00	$ 4,900.00	$ 44,100.00
23	CONNECT TO WATER MAIN (NON-PRESSURE), 8-INCH	6	EACH	$ 4,500.00	$ 27,000.00	$ 5,500.00	$ 33,000.00	$ 4,050.00	$ 24,300.00
24	CONNECT TO WATER MAIN (NON-PRESSURE), 10-INCH	1	EACH	$ 5,000.00	$ 5,000.00	$ 7,300.00	$ 7,300.00	$ 5,500.00	$ 5,500.00
25	CONNECT TO WATER MAIN (NON-PRESSURE), 16-INCH	1	EACH	$ 7,500.00	$ 7,500.00	$ 12,000.00	$ 12,000.00	$ 4,600.00	$ 4,600.00
26	CONNECT TO WATER MAIN (PRESSURE), 6-INCH X 6-INCH	1	EACH	$ 7,000.00	$ 7,000.00	$ 8,400.00	$ 8,400.00	$ 7,000.00	$ 7,000.00
27	GATE VALVE, 6-INCH	1	EACH	$ 2,200.00	$ 2,200.00	$ 1,950.00	$ 1,950.00	$ 2,650.00	$ 2,650.00
28	GATE VALVE, 8-INCH	15	EACH	$ 2,400.00	$ 36,000.00	$ 2,550.00	$ 38,250.00	$ 3,200.00	$ 48,000.00
29	GATE VALVE, 12-INCH	3	EACH	$ 4,000.00	$ 12,000.00	$ 4,450.00	$ 13,350.00	$ 4,825.00	$ 14,475.00
30	BUTTERFLY VALVE, 16-INCH	17	EACH	$ 7,000.00	$ 119,000.00	$ 8,750.00	$ 148,750.00	$ 7,900.00	$ 134,300.00
31	VALVE BOX	4	EACH	$ 400.00	$ 1,600.00	$ 350.00	$ 1,400.00	$ 325.00	$ 1,300.00
32	VALVE VAULT, 4-FOOT DIAMETER	13	EACH	$ 2,500.00	$ 32,500.00	$ 3,050.00	$ 39,650.00	$ 3,500.00	$ 45,500.00
33	VALVE VAULT, 5-FOOT DIAMETER	3	EACH	$ 3,000.00	$ 9,000.00	$ 4,100.00	$ 12,300.00	$ 4,825.00	$ 14,475.00
34	VALVE VAULT, 6-FOOT DIAMETER	17	EACH	$ 3,500.00	$ 59,500.00	$ 7,000.00	$ 119,000.00	$ 7,500.00	$ 127,500.00
35	VALVE VAULT (ADDITIONAL DEPTH), 4-FOOT DIAMETER	5	VFT	$ 200.00	$ 1,000.00	$ 720.00	$ 3,600.00	$ 200.00	$ 1,000.00
36	VALVE VAULT (ADDITIONAL DEPTH), 5-FOOT DIAMETER	5	VFT	$ 250.00	$ 1,250.00	$ 800.00	$ 4,000.00	$ 200.00	$ 1,000.00
37	VALVE VAULT (ADDITIONAL DEPTH), 6-FOOT DIAMETER	5	VFT	$ 300.00	$ 1,500.00	$ 1,250.00	$ 6,250.00	$ 200.00	$ 1,000.00
38	FIRE HYDRANT	21	EACH	$ 6,200.00	$ 130,200.00	$ 10,900.00	$ 228,900.00	$ 12,000.00	$ 252,000.00
39	FIRE HYDRANT BARREL EXTENSION	5	VFT	$ 700.00	$ 3,500.00	$ 1,000.00	$ 5,000.00	$ 1,000.00	$ 5,000.00
40	LINE STOP, 6-INCH	3	EACH	$ 6,000.00	$ 18,000.00	$ 5,000.00	$ 15,000.00	$ 7,500.00	$ 22,500.00
41	LINE STOP, 8-INCH	1	EACH	$ 6,750.00	$ 6,750.00	$ 5,500.00	$ 5,500.00	$ 8,300.00	$ 8,300.00
42	LINE STOP, 10-INCH	1	EACH	$ 8,500.00	$ 8,500.00	$ 7,000.00	$ 7,000.00	$ 11,250.00	$ 11,250.00
43	LINE STOP, 12-INCH	1	EACH	$ 9,420.00	$ 9,420.00	$ 7,200.00	$ 7,200.00	$ 12,375.00	$ 12,375.00
44	ABANDONMENT OF EXISTING WATER MAINS AND APPURTENANCES	1	LSUM	$ 32,000.00	$ 32,000.00	$ 35,000.00	$ 35,000.00	$ 45,000.00	$ 45,000.00
45	ABANDONMENT OF EXISTING WATER MAINS AND APPURTENANCES (SPECIAL, EAST PRISON CAMPUS)	10	EACH	$ 1,000.00	$ 10,000.00	$ 3,000.00	$ 30,000.00	$ 2,000.00	$ 20,000.00
46	FILLING OF EXISTING PIPE FOR ABANDONMENT	6850	CUYD	$ 100.00	$ 685,000.00	$ 0.01	$ 68.50	$ 0.01	$ 68.50
47	SANITARY SEWER REMOVAL AND REPLACEMENT, 10-INCH	65	FOOT	$ 160.00	$ 10,400.00	$ 120.00	$ 7,800.00	$ 260.00	$ 16,900.00
48	SANITARY SEWER REMOVAL AND REPLACEMENT, 12-INCH	44	FOOT	$ 180.00	$ 7,920.00	$ 138.00	$ 6,072.00	$ 320.00	$ 14,080.00
49	SANITARY SEWER REMOVAL AND REPLACEMENT, 15-INCH	88	FOOT	$ 210.00	$ 18,480.00	$ 330.00	$ 29,040.00	$ 350.00	$ 30,800.00
50	SANITARY SEWER REMOVAL AND REPLACEMENT, 18-INCH	202	FOOT	$ 240.00	$ 48,480.00	$ 345.00	$ 69,690.00	$ 415.00	$ 83,830.00
51	STORM SEWER REMOVAL AND REPLACEMENT, 8-INCH	299	FOOT	$ 130.00	$ 38,870.00	$ 86.00	$ 25,714.00	$ 160.00	$ 47,840.00
52	STORM SEWER REMOVAL AND REPLACEMENT, 10-INCH	67	FOOT	$ 150.00	$ 10,050.00	$ 91.00	$ 6,097.00	$ 190.00	$ 12,730.00
53	STORM SEWER REMOVAL AND REPLACEMENT, 12-INCH	236	FOOT	$ 180.00	$ 42,480.00	$ 215.00	$ 50,740.00	$ 210.00	$ 49,560.00
54	STORM SEWER REMOVAL AND REPLACEMENT, 15-INCH	61	FOOT	$ 210.00	$ 12,810.00	$ 175.00	$ 10,675.00	$ 270.00	$ 16,470.00
55	STORM SEWER REMOVAL AND REPLACEMENT, 18-INCH	38	FOOT	$ 240.00	$ 9,120.00	$ 197.00	$ 7,486.00	$ 310.00	$ 11,780.00
56	INLET PROTECTION FILTER	63	EACH	$ 170.00	$ 10,710.00	$ 125.00	$ 7,875.00	$ 190.00	$ 11,970.00
57	TEMPORARY HOT-MIX ASPHALT PAVEMENT	1600	SQYD	$ 50.00	$ 80,000.00	$ 39.00	$ 62,400.00	$ 40.00	$ 64,000.00
58	CLASS B PATCH	4630	SQYD	$ 50.00	$ 231,500.00	$ 178.00	$ 824,140.00	$ 130.00	$ 601,900.00
59	HOT-MIX ASPHALT REMOVAL AND REPLACEMENT, 2.5-INCH BINDER 1.5-INCH SURFACE	700	SQYD	$ 40.00	$ 28,000.00	$ 76.00	$ 53,200.00	$ 60.00	$ 42,000.00
60	HOT-MIX ASPHALT REMOVAL AND REPLACEMENT, 3-INCH SURFACE	12100	SQYD	$ 30.00	$ 363,000.00	$ 24.00	$ 290,400.00	$ 20.00	$ 242,000.00
61	HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT, 4-INCH	380	SQYD	$ 50.00	$ 19,000.00	$ 94.00	$ 35,720.00	$ 95.00	$ 36,100.00
62	PCC DRIVEWAY REMOVAL AND REPLACEMENT, 6-INCH	180	SQYD	$ 80.00	$ 14,400.00	$ 118.00	$ 21,240.00	$ 235.00	$ 42,300.00

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				Unit Price	Total Price	Unit Price	Total	Unit Price	Total
PART A - WATER MAIN IMPROVEMENTS									
63	GRAVEL SHOULDER RESTORATION	50	FOOT	$ 30.00	$ 1,500.00	$ 18.00	$ 900.00	$ 25.00	$ 1,250.00
64	BRICK SIDEWALK REMOVAL AND REPLACEMENT	10	SQFT	$ 30.00	$ 300.00	$ 45.00	$ 450.00	$ 30.00	$ 300.00
65	BRICK SIDEWALK REMOVAL AND REPLACEMENT WITH PCC SIDEWALK	240	SQFT	$ 20.00	$ 4,800.00	$ 11.00	$ 2,640.00	$ 16.00	$ 3,840.00
66	CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	550	FOOT	$ 50.00	$ 27,500.00	$ 60.00	$ 33,000.00	$ 71.00	$ 39,050.00
67	PCC SIDEWALK REMOVAL AND REPLACEMENT	1,400	SQFT	$ 10.00	$ 14,000.00	$ 12.00	$ 16,800.00	$ 16.00	$ 22,400.00
68	DETECTABLE WARNINGS	30	SQFT	$ 40.00	$ 1,200.00	$ 30.00	$ 900.00	$ 35.00	$ 1,050.00
69	MOVE AND RESET PLANTERS	1	EACH	$ 100.00	$ 100.00	$ 2,300.00	$ 2,300.00	$ 1,500.00	$ 1,500.00
70	REMOVAL AND RELOCATION OF SIGNS	1	EACH	$ 200.00	$ 200.00	$ 200.00	$ 200.00	$ 500.00	$ 500.00
71	PAVEMENT MARKING TAPE TYPE IV, 4-INCH	9819	FOOT	$ 1.00	$ 9,819.00	$ 1.50	$ 14,728.50	$ 1.00	$ 9,819.00
72	PAVEMENT MARKING - LINE,4-INCH (THERMOPLASTIC)	8490	FOOT	$ 5.00	$ 42,450.00	$ 0.85	$ 7,216.50	$ 0.90	$ 7,641.00
73	PAVEMENT MARKING - LINE, 6-INCH (THERMOPLASTIC)	3000	FOOT	$ 10.00	$ 30,000.00	$ 1.50	$ 4,500.00	$ 1.00	$ 3,000.00
74	PAVEMENT MARKING - LINE, 12-INCH (THERMOPLASTIC)	730	FOOT	$ 10.00	$ 7,300.00	$ 2.75	$ 2,007.50	$ 2.00	$ 1,460.00
75	PAVEMENT MARKING - LINE, 24-INCH (THERMOPLASTIC)	340	FOOT	$ 40.00	$ 13,600.00	$ 5.50	$ 1,870.00	$ 5.80	$ 1,972.00
76	PAVEMENT MARKING - LETTERS AND SYMBOLS	330	SQFT	$ 25.00	$ 8,250.00	$ 5.50	$ 1,815.00	$ 5.00	$ 1,650.00
77	RESTORATION OF LAWNS AND PARKWAYS	600	SQYD	$ 20.00	$ 12,000.00	$ 10.50	$ 6,300.00	$ 15.00	$ 9,000.00
78	SHRUB AND BRUSH DISPOSAL	1	EACH	$ 30.00	$ 30.00	$ 50.00	$ 50.00	$ 1,000.00	$ 1,000.00
79	FENCE TO BE REMOVED AND RE-ERECTED	20	FOOT	$ 50.00	$ 1,000.00	$ 25.00	$ 500.00	$ 250.00	$ 5,000.00
80	REMOVE AND REPLACE DRAIN TILES, 6-INCH THROUGH 12-INCH	120	FOOT	$ 55.00	$ 6,600.00	$ 45.00	$ 5,400.00	$ 100.00	$ 12,000.00
81	ADJUSTING SANITARY SEWER SERVICE LINE	21	EACH	$ 1,500.00	$ 31,500.00	$ 1,100.00	$ 23,100.00	$ 3,000.00	$ 63,000.00
82	DUST CONTROL	20	DAY	$ 450.00	$ 9,000.00	$ 200.00	$ 4,000.00	$ 400.00	$ 8,000.00
83	REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL	88	CUYD	$ 70.00	$ 6,160.00	$ 0.01	$ 0.88	$ 0.01	$ 0.88
84	SOIL TESTS FOR CONTAMINANTS	8	EACH	$ 1,250.00	$ 10,000.00	$ 0.01	$ 0.08	$ 1,000.00	$ 8,000.00
85	CONTAMINATED WASTE DISPOSAL	88	CUYD	$ 80.00	$ 7,040.00	$ 0.01	$ 0.88	$ 150.00	$ 13,200.00
86	EXPLORATORY EXCAVATION	8	EACH	$ 550.00	$ 4,400.00	$ 360.00	$ 2,880.00	$ 1,500.00	$ 12,000.00
87	ROCK EXCAVATION	2,600	CUYD	$ 180.00	$ 468,000.00	$ 171.00	$ 444,600.00	$ 190.00	$ 494,000.00
88	TREE ROOT PRUNING	5	EACH	$ 200.00	$ 1,000.00	$ 50.00	$ 250.00	$ 100.00	$ 500.00
89	TREE TRIMMING	1	LSUM	$ 7,250.00	$ 7,250.00	$ 5,000.00	$ 5,000.00	$ 1,000.00	$ 1,000.00
90	TREE REMOVAL AND REPLACEMENT, 6-INCH THROUGH 12-INCH	3	EACH	$ 2,000.00	$ 6,000.00	$ 2,550.00	$ 7,650.00	$ 3,400.00	$ 10,200.00
91	TREE REMOVAL AND REPLACEMENT, OVER 12 INCH	2	EACH	$ 2,600.00	$ 5,200.00	$ 4,050.00	$ 8,100.00	$ 5,300.00	$ 10,600.00
92	WATER SERVICE LOCATE	1	LSUM	$ 5,318.00	$ 5,318.00	$ 2,000.00	$ 2,000.00	$ 1,000.00	$ 1,000.00
93	SHORT TERM PAVEMENT MARKING REMOVAL	3273	SQFT	$ 2.00	$ 6,546.00	$ 0.50	$ 1,636.50	$ 2.00	$ 6,546.00
94	PAVEMENT MARKING REMOVAL	500	SQFT	$ 5.00	$ 2,500.00	$ 1.50	$ 750.00	$ 2.25	$ 1,125.00
95	PAVEMENT MARKING REMOVAL - WATER BLASTING	1940	SQFT	$ 5.00	$ 9,700.00	$ 2.00	$ 3,880.00	$ 2.50	$ 4,850.00
96	TEMPORARY INFORMATION SIGNING	130	SQFT	$ 10.00	$ 1,300.00	$ 22.50	$ 2,925.00	$ 20.00	$ 2,600.00
97	DETECTOR LOOP, TYPE I	100	FOOT	$ 60.00	$ 6,000.00	$ 19.00	$ 1,900.00	$ 18.94	$ 1,894.00
98	TEMPORARY CONCRETE BARRIER	2375	FOOT	$ 26.00	$ 61,750.00	$ 0.01	$ 23.75	$ 35.00	$ 83,125.00
99	PINNING TEMPORARY CONRETE BARRIER	594	EACH	$ 20.00	$ 11,880.00	$ 0.01	$ 5.94	$ 11.00	$ 6,534.00
100	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3	12	EACH	$ 4,000.00	$ 48,000.00	$ 0.01	$ 0.12	$ 2,000.00	$ 24,000.00
101	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	11	EACH	$ 2,000.00	$ 22,000.00	$ 0.01	$ 0.11	$ 1,176.00	$ 12,936.00
102	CHANGEABLE MESSAGE SIGNS	4	CAL MO	$ 1,300.00	$ 5,200.00	$ 1,100.00	$ 4,400.00	$ 1,000.00	$ 4,000.00
103	TEMPORARY TRAFFIC SIGNAL TIMING	9	EACH	$ 3,500.00	$ 31,500.00	$ 0.01	$ 0.09	$ 300.00	$ 2,700.00
104	RAILROAD CROSSING COORDINATION AND MOBILIZATION	1	LSUM	$ 75,000.00	$ 75,000.00	$ 75,000.00	$ 75,000.00	$ 80,000.00	$ 80,000.00
	SUBTOTAL PART A - WATER MAIN IMPROVEMENTS:				**$ 4,407,000.00**		**$ 5,411,181.35**		**$ 5,766,608.09**
PART B - LEAD SERVICE LINE IMPROVEMENTS									
105	PROJECT MANAGEMENT (LEAD SERVICE REPLACEMENT)	69	HOUR	$ 150.00	$ 10,350.00	$ 75.00	$ 5,175.00	$ 100.00	$ 6,900.00
106	WATER SERVICE CONNECTION TO WATER MAIN AND CURB STOP (LEAD SERVICE REPLACEMENT), 1-INCH	23	EACH	$ 2,400.00	$ 55,200.00	$ 3,200.00	$ 73,600.00	$ 4,000.00	$ 92,000.00
107	WATER SERVICE CONNECTION TO WATER MAIN AND CURB STOP (LEAD SERVICE REPLACEMENT), 1.5-INCH	1	EACH	$ 3,505.00	$ 3,505.00	$ 4,200.00	$ 4,200.00	$ 5,000.00	$ 5,000.00
108	WATER SERVICE LINE TYPE K - OPEN CUT (LEAD SERVICE REPLACEMENT), 1-INCH	90	FOOT	$ 50.00	$ 4,500.00	$ 64.00	$ 5,760.00	$ 200.00	$ 18,000.00
109	WATER SERVICE LINE TYPE K - OPEN CUT (LEAD SERVICE REPLACEMENT), 1.5-INCH	30	FOOT	$ 60.00	$ 1,800.00	$ 70.00	$ 2,100.00	$ 200.00	$ 6,000.00
110	WATER SERVICE LINE TYPE K - DIRECTIONAL DRILLING (LEAD SERVICE REPLACEMENT), 1-INCH	1,490	FOOT	$ 30.00	$ 44,700.00	$ 33.00	$ 49,170.00	$ 55.00	$ 81,950.00
111	WATER SERVICE LINE TYPE K - DIRECTIONAL DRILLING (LEAD SERVICE REPLACEMENT), 1.5-INCH	50	FOOT	$ 50.00	$ 2,500.00	$ 39.00	$ 1,950.00	$ 70.00	$ 3,500.00
112	WATER SERVICE LINE TYPE L (LEAD SERVICE REPLACEMENT), 3/4-INCH	25	FOOT	$ 40.00	$ 1,000.00	$ 10.00	$ 250.00	$ 60.00	$ 1,500.00
113	WATER SERVICE LINE TYPE L (LEAD SERVICE REPLACEMENT), 1-INCH	230	FOOT	$ 50.00	$ 11,500.00	$ 12.00	$ 2,760.00	$ 60.00	$ 13,800.00
114	WATER SERVICE LINE TYPE L (LEAD SERVICE REPLACEMENT), 1.5-INCH	25	FOOT	$ 55.00	$ 1,375.00	$ 14.00	$ 350.00	$ 75.00	$ 1,875.00
115	WATER SERVICE CASING PIPE (LEAD SERVICE REPLACEMENT), 2-INCH	230	FOOT	$ 40.00	$ 9,200.00	$ 50.00	$ 11,500.00	$ 180.00	$ 41,400.00
116	WATER SERVICE CONNECTION ON PRIVATE PROPERTY - BASEMENT OR CRAWL SPACE (LEAD SERVICE REPLACEMENT)	10	EACH	$ 2,400.00	$ 24,000.00	$ 3,350.00	$ 33,500.00	$ 537.00	$ 5,370.00
117	WATER SERVICE CONNECTION ON PRIVATE PROPERTY - SLAB (LEAD SERVICE REPLACEMENT)	13	EACH	$ 2,400.00	$ 31,200.00	$ 3,350.00	$ 43,550.00	$ 537.00	$ 6,981.00
118	UTILITY LOCATION - PRIVATE PROPERTY (LEAD SERVICE REPLACEMENT)	23	EACH	$ 400.00	$ 9,200.00	$ 560.00	$ 12,880.00	$ 380.00	$ 8,740.00
119	WATER METER RELOCATION (LEAD SERVICE REPLACEMENT)	23	EACH	$ 850.00	$ 19,550.00	$ 250.00	$ 5,750.00	$ 0.01	$ 0.23
120	WATER METER REPLACEMENT (LEAD SERVICE REPLACEMENT)	23	EACH	$ 850.00	$ 19,550.00	$ 250.00	$ 5,750.00	$ 0.01	$ 0.23
121	LANDSCAPING PROJECT MANAGEMENT (LEAD SERVICE REPLACEMENT)	46	HOUR	$ 100.00	$ 4,600.00	$ 75.00	$ 3,450.00	$ 100.00	$ 4,600.00

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PART A - WATER MAIN IMPROVEMENTS									
122	LANDSCAPING RESTORATION ALLOWANCE (LEAD SERVICE REPLACEMENT)	23	EACH	$ 450.00	$ 10,350.00	$ 450.00	$ 10,350.00	$ 450.00	$ 10,350.00
123	SHRUB AND BRUSH DISPOSAL (LEAD SERVICE REPLACEMENT)	46	EACH	$ 25.00	$ 1,150.00	$ 50.00	$ 2,300.00	$ 100.00	$ 4,600.00
124	FENCE TO BE REMOVED AND RE-ERECTED (LEAD SERVICE REPLACEMENT)	115	FOOT	$ 50.00	$ 5,750.00	$ 25.00	$ 2,875.00	$ 100.00	$ 11,500.00
125	HOT-MIX ASPHALT REMOVAL AND REPLACEMENT (LEAD SERVICE REPLACEMENT), 2.5-INCH BINDER 1.5-INCH SURFACE	5	SQYD	$ 40.00	$ 200.00	$ 75.00	$ 375.00	$ 150.00	$ 750.00
126	CLASS B PATCH (LEAD SERVICE REPLACEMENT)	27	SQYD	$ 50.00	$ 1,350.00	$ 170.00	$ 4,590.00	$ 200.00	$ 5,400.00
127	HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT (LEAD SERVICE REPLACEMENT), 4-INCH	30	SQYD	$ 50.00	$ 1,500.00	$ 94.00	$ 2,820.00	$ 150.00	$ 4,500.00
128	PCC DRIVEWAY REMOVAL AND REPLACEMENT (LEAD SERVICE REPLACEMENT), 6-INCH	16	SQYD	$ 80.00	$ 1,280.00	$ 118.00	$ 1,888.00	$ 250.00	$ 4,000.00
129	CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (LEAD SERVICE REPLACEMENT)	54	FOOT	$ 50.00	$ 2,700.00	$ 60.00	$ 3,240.00	$ 75.00	$ 4,050.00
130	PCC SIDEWALK REMOVAL AND REPLACEMENT (LEAD SERVICE REPLACEMENT)	825	SQFT	$ 10.00	$ 8,250.00	$ 12.00	$ 9,900.00	$ 16.00	$ 13,200.00
131	RESTORATION OF LAWNS AND PARKWAYS (LEAD SERVICE REPLACEMENT)	37	SQYD	$ 20.00	$ 740.00	$ 15.00	$ 555.00	$ 15.00	$ 555.00
	SUBTOTAL PART B - LEAD SERVICE LINE IMPROVEMENTS:				**$ 287,000.00**		**$ 300,588.00**		**$ 356,521.46**
PART C - STORM SEWER IMPROVEMENTS									
132	GRANULAR TRENCH BACKFILL (STORM SEWER IMPROVEMENTS)	100	CUYD	$ 40.00	$ 4,000.00	$ 0.01	$ 1.00	$ 50.00	$ 5,000.00
133	TRENCH BACKFILL (SPECIAL) (STORM SEWER IMPROVEMENTS)	300	CUYD	$ 50.00	$ 15,000.00	$ 0.01	$ 3.00	$ 50.00	$ 15,000.00
134	STORM SEWERS (OPEN CUT) (STORM SEWER IMPROVEMENTS), PVC, TYPE 2, 12"	404	FOOT	$ 175.00	$ 70,700.00	$ 165.00	$ 66,660.00	$ 160.00	$ 64,640.00
135	INLET (STORM SEWER IMPROVEMENTS), TYPE A, 2' DIAMETER	1	EACH	$ 2,500.00	$ 2,500.00	$ 2,000.00	$ 2,000.00	$ 2,000.00	$ 2,000.00
136	CATCH BASINS (STORM SEWER IMPROVEMENTS), TYPE A, 4' DIAMETER	4	EACH	$ 5,000.00	$ 20,000.00	$ 3,200.00	$ 12,800.00	$ 3,500.00	$ 14,000.00
137	MANHOLE (STORM SEWER IMPROVEMENTS), TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	1	EACH	$ 7,000.00	$ 7,000.00	$ 2,600.00	$ 2,600.00	$ 3,750.00	$ 3,750.00
138	MANHOLE (STORM SEWER IMPROVEMENTS), TYPE A, 5' DIAMETER, TYPE 1 FRAME, CLOSED LID	1	EACH	$ 8,000.00	$ 8,000.00	$ 3,800.00	$ 3,800.00	$ 5,100.00	$ 5,100.00
139	REMOVAL OF EXISTING STORM SEWER (STORM SEWER IMPROVEMENTS)	25	FOOT	$ 50.00	$ 1,250.00	$ 22.00	$ 550.00	$ 75.00	$ 1,875.00
140	STORM SEWER ABANDONMENT (STORM SEWER IMPROVEMENTS)	464	FOOT	$ 15.00	$ 6,960.00	$ 40.00	$ 18,560.00	$ 100.00	$ 46,400.00
141	STORM SEWER SERVICE CONNECTION (STORM SEWER IMPROVEMENTS)	1	EACH	$ 2,000.00	$ 2,000.00	$ 2,400.00	$ 2,400.00	$ 1,500.00	$ 1,500.00
142	STORM SEWER SERVICE PIPE (STORM SEWER IMPROVEMENTS)	10	FOOT	$ 75.00	$ 750.00	$ 70.00	$ 700.00	$ 85.00	$ 850.00
143	CONNECTION OF EXISTING SEWERS AT NEW STRUCTURES (STORM SEWER IMPROVEMENTS)	3	EACH	$ 200.00	$ 600.00	$ 2,500.00	$ 7,500.00	$ 500.00	$ 1,500.00
144	REMOVAL OF EXISTING SEWER STRUCTURE (STORM SEWER IMPROVEMENTS), MANHOLE, 4' DIAMETER	12	EACH	$ 600.00	$ 7,200.00	$ 600.00	$ 7,200.00	$ 400.00	$ 4,800.00
145	REMOVAL OF EXISTING SEWER STRUCTURE (STORM SEWER IMPROVEMENTS), CATCH BASIN, 2' DIAMETER	2	EACH	$ 445.00	$ 890.00	$ 600.00	$ 1,200.00	$ 400.00	$ 800.00
146	REMOVAL OF EXISTING SEWER STRUCTURE (STORM SEWER IMPROVEMENTS), CATCH BASIN, 4' DIAMETER	2	EACH	$ 500.00	$ 1,000.00	$ 600.00	$ 1,200.00	$ 400.00	$ 800.00
147	REMOVAL OF EXISTING SEWER STRUCTURE (STORM SEWER IMPROVEMENTS), INLET, 2' DIAMETER	2	EACH	$ 300.00	$ 600.00	$ 400.00	$ 800.00	$ 400.00	$ 800.00
148	REMOVAL OF EXISTING SEWER STRUCTURE (STORM SEWER IMPROVEMENTS), INLET, 4' DIAMETER	2	EACH	$ 350.00	$ 700.00	$ 500.00	$ 1,000.00	$ 400.00	$ 800.00
149	TEMPORARY HOT-MIX ASPHALT PAVEMENT (STORM SEWER IMPROVEMENTS)	280	SQYD	$ 50.00	$ 14,000.00	$ 39.00	$ 10,920.00	$ 50.00	$ 14,000.00
150	CLASS B PATCH (STORM SEWER IMPROVEMENTS)	280	SQYD	$ 50.00	$ 14,000.00	$ 187.00	$ 52,360.00	$ 200.00	$ 56,000.00
151	HOT-MIX ASPHALT REMOVAL AND REPLACEMENT (STORM SEWER IMPROVEMENTS), 2.5-INCH BINDER 1.5-INCH SURFACE	100	SQYD	$ 40.00	$ 4,000.00	$ 75.00	$ 7,500.00	$ 150.00	$ 15,000.00
152	HOT-MIX ASPHALT REMOVAL AND REPLACEMENT, 3-INCH SURFACE (STORM SEWER IMPROVEMENTS)	200	SQYD	$ 30.00	$ 6,000.00	$ 24.00	$ 4,800.00	$ 35.00	$ 7,000.00
153	HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT (STORM SEWER IMPROVEMENTS), 4-INCH	10	SQYD	$ 50.00	$ 500.00	$ 94.00	$ 940.00	$ 150.00	$ 1,500.00
154	PCC DRIVEWAY REMOVAL AND REPLACEMENT (STORM SEWER IMPROVEMENTS), 6-INCH	40	SQYD	$ 80.00	$ 3,200.00	$ 118.00	$ 4,720.00	$ 250.00	$ 10,000.00
155	BRICK SIDEWALK REMOVAL AND REPLACEMENT WITH PCC SIDEWALK (STORM SEWER IMPROVEMENTS)	90	SQFT	$ 30.00	$ 2,700.00	$ 11.00	$ 990.00	$ 20.00	$ 1,800.00
156	CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (STORM SEWER IMPROVEMENTS)	300	FOOT	$ 50.00	$ 15,000.00	$ 60.00	$ 18,000.00	$ 75.00	$ 22,500.00
157	PCC SIDEWALK REMOVAL AND REPLACEMENT (STORM SEWER IMPROVEMENTS)	600	SQFT	$ 10.00	$ 6,000.00	$ 12.00	$ 7,200.00	$ 20.00	$ 12,000.00
158	DETECTABLE WARNINGS (STORM SEWER IMPROVEMENTS)	180	SQFT	$ 40.00	$ 7,200.00	$ 25.00	$ 4,500.00	$ 35.00	$ 6,300.00
159	REMOVAL AND RELOCATION OF SIGNS (STORM SEWER IMPROVEMENTS)	2	EACH	$ 200.00	$ 400.00	$ 200.00	$ 400.00	$ 500.00	$ 1,000.00
160	PAVEMENT MARKING (STORM SEWER IMPROVEMENTS) - LINE, 6-INCH (THERMOPLASTIC)	250	FOOT	$ 10.00	$ 2,500.00	$ 1.50	$ 375.00	$ 1.00	$ 250.00
161	PAVEMENT MARKING (STORM SEWER IMPROVEMENTS) - LINE, 24-INCH (THERMOPLASTIC)	20	FOOT	$ 40.00	$ 800.00	$ 5.50	$ 110.00	$ 5.80	$ 116.00
162	RESTORATION OF LAWNS AND PARKWAYS (STORM SEWER IMPROVEMENTS)	100	SQYD	$ 20.00	$ 2,000.00	$ 15.00	$ 1,500.00	$ 15.00	$ 1,500.00
163	PAVEMENT MARKING REMOVAL (STORM SEWER IMPROVEMENTS)	160	SQFT	$ 5.00	$ 800.00	$ 1.50	$ 240.00	$ 2.00	$ 320.00
164	REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL (STORM SEWER IMPROVEMENTS)	5	CUYD	$ 70.00	$ 350.00	$ 0.01	$ 0.05	$ 0.01	$ 0.05
165	CONTAMINATED WASTE DISPOSAL (STORM SEWER IMPROVEMENTS)	5	CUYD	$ 80.00	$ 400.00	$ 0.01	$ 0.05	$ 150.00	$ 750.00
166	ROCK EXCAVATION (STORM SEWER IMPROVEMENTS)	200	CUYD	$ 180.00	$ 36,000.00	$ 171.00	$ 34,200.00	$ 200.00	$ 40,000.00
	SUBTOTAL PART C - STORM SEWER IMPROVEMENTS:				**$ 265,000.00**		**$ 277,729.10**		**$ 359,651.05**
	TOTAL AMOUNT OF BID (PARTS A, B, AND C):				**$ 4,959,000.00**		**$ 5,989,498.45**		**$ 6,482,780.60**