

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	ENGINEER'S ESTIMATE AMOUNT	1. H.M. Miller Construction PRICE	1. H.M. Miller Construction AMOUNT	*2. Lockhart Concrete PRICE	*2. Lockhart Concrete AMOUNT	3. Kenmore Construction PRICE	3. Kenmore Construction AMOUNT
General												
1	103.05	Contract Performance Bond	1	LS	\$200,000.00	\$200,000.00	\$50,000.00	\$50,000.00	\$146,700.00	\$146,700.00	\$75,000.00	\$75,000.00
2	202	Curb Removed (Remove as Directed)	200	LF	\$10.00	\$2,000.00	\$5.00	\$1,000.00	\$1.00	\$200.00	\$5.00	\$1,000.00
3	203	Aggregate Refill Type I (Install as Directed)	25	CY	\$75.00	\$1,875.00	\$50.00	\$1,250.00	\$40.00	\$1,000.00	\$75.00	\$1,875.00
4	455	Curb, Type 6"x18" (Install as Directed)	200	LF	\$40.00	\$8,000.00	\$25.00	\$5,000.00	\$30.00	\$6,000.00	\$30.00	\$6,000.00
5	561	Manhole Frame and Cover (Install as Directed)	1	EA	\$500.00	\$500.00	\$1,100.00	\$1,100.00	\$400.00	\$400.00	\$1,100.00	\$1,100.00
6	561	Replace Existing Manhole Casting Cover Only with	60	EA	\$150.00	\$9,000.00	\$300.00	\$18,000.00	\$150.00	\$9,000.00	\$900.00	\$54,000.00
7	562	Manhole Adjusted (Install as Directed)	1	EA	\$500.00	\$500.00	\$2,500.00	\$2,500.00	\$400.00	\$400.00	\$1,000.00	\$1,000.00
8	562	Manhole Rechanneled (Install as Directed)	5	EA	\$375.00	\$1,875.00	\$2,500.00	\$12,500.00	\$1,200.00	\$6,000.00	\$1,700.00	\$8,500.00
9	603	Limestone No. 1 & No. 2 (Install as Directed)	100	CY	\$75.00	\$7,500.00	\$50.00	\$5,000.00	\$50.00	\$5,000.00	\$75.00	\$7,500.00
10	603	Limestone (Install as Directed)	100	CY	\$55.00	\$5,500.00	\$50.00	\$5,000.00	\$50.00	\$5,000.00	\$75.00	\$7,500.00
11	614	Maintenance of Traffic	1	LS	\$50,000.00	\$50,000.00	\$55,000.00	\$55,000.00	\$347,565.00	\$347,565.00	\$900,000.00	\$900,000.00
12	624	Mobilization	1	LS	\$150,000.00	\$150,000.00	\$225,000.00	\$225,000.00	\$200,000.00	\$200,000.00	\$850,000.00	\$850,000.00
13	SPEC	Manhole Rehabilitation	30	VLF	\$775.00	\$23,250.00	\$750.00	\$22,500.00	\$400.00	\$12,000.00	\$1,300.00	\$39,000.00
14	SPEC	Heavy Cleaning Allowance	1	LS	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00
Alonby Drive (ID#435829)												
15	SPEC	8-inch Sanitary Sewer Reconstruction, CIPP Main	280	LF	\$60.00	\$16,800.00	\$41.00	\$11,480.00	\$37.00	\$10,360.00	\$45.00	\$12,600.00
Bartges Street (ID#412378)												
16	SPEC	15-inch Sanitary Sewer Reconstruction, CIPP Main	420	LF	\$80.00	\$33,600.00	\$60.00	\$25,200.00	\$67.00	\$28,140.00	\$70.00	\$29,400.00
17	SPEC	By-Pass Pumping Complete	1	LS	\$25,000.00	\$25,000.00	\$1.00	\$1.00	\$500.00	\$500.00	\$1,000.00	\$1,000.00
Bowery Street - SR59 (ID#418673, 418674, & 418677)												
18	SPEC	12-inch Sanitary Sewer Reconstruction, CIPP Main	115	LF	\$65.00	\$7,475.00	\$78.00	\$8,970.00	\$64.00	\$7,360.00	\$80.00	\$9,200.00
19	SPEC	15-inch Sanitary Sewer Reconstruction, CIPP Main	145	LF	\$80.00	\$11,600.00	\$84.00	\$12,180.00	\$67.00	\$9,715.00	\$83.00	\$12,035.00
20	SPEC	Locating and Raising Buried Manhole(s)	1	LS	\$20,000.00	\$20,000.00	\$2,000.00	\$2,000.00	\$1,000.00	\$1,000.00	\$1,300.00	\$1,300.00
21	SPEC	By-Pass Pumping Complete	1	LS	\$25,000.00	\$25,000.00	\$1.00	\$1.00	\$500.00	\$500.00	\$1,000.00	\$1,000.00
Brittain Road (ID#437210)												
22	SPEC	15-inch Sanitary Sewer Reconstruction, CIPP Main	290	LF	\$80.00	\$23,200.00	\$66.00	\$19,140.00	\$62.00	\$17,980.00	\$65.00	\$18,850.00
23	SPEC	By-Pass Pumping Complete	1	LS	\$25,000.00	\$25,000.00	\$1.00	\$1.00	\$500.00	\$500.00	\$1,000.00	\$1,000.00
Brittain Road (ID#424081)												
24	211	Polyethylene Encasement, Existing 24-inch Water	10	LF	\$5.00	\$50.00	\$50.00	\$500.00	\$1,411.00	\$14,110.00	\$2.00	\$20.00
25	511	Class 'C' Concrete, Encasement	5	CY	\$185.00	\$925.00	\$300.00	\$1,500.00	\$200.00	\$1,000.00	\$200.00	\$1,000.00
26	557	12-inch Sanitary Sewer, VCPES, Class 'B' Bedding	10	LF	\$2,000.00	\$20,000.00	\$6,800.00	\$68,000.00	\$3,211.00	\$32,110.00	\$1,600.00	\$16,000.00
27	604	Bank Run Gravel	10	CY	\$1.50	\$15.00	\$1.00	\$10.00	\$20.00	\$200.00	\$50.00	\$500.00
28	SPEC	Post Construction 12-inch Sewer Cleaning and CCTV	55	LF	\$8.00	\$440.00	\$20.00	\$1,100.00	\$17.00	\$935.00	\$20.00	\$1,100.00
Brittain Road (ID#424114)												
29	557	8-inch Sanitary Sewer, VCPES, Class 'B' Bedding	10	LF	\$2,020.00	\$20,200.00	\$4,050.00	\$40,500.00	\$3,211.00	\$32,110.00	\$3,200.00	\$32,000.00
30	604	Bank Run Gravel	10	CY	\$1.50	\$15.00	\$1.00	\$10.00	\$20.00	\$200.00	\$50.00	\$500.00
31	SPEC	Post Construction 8-inch Sewer Cleaning and CCTV	270	LF	\$8.00	\$2,160.00	\$7.00	\$1,890.00	\$17.00	\$4,590.00	\$7.00	\$1,890.00
Brittain Road (ID#427630)												
32	557	8-inch Sanitary Sewer, VCPES, Class 'B' Bedding	10	LF	\$2,065.00	\$20,650.00	\$4,100.00	\$41,000.00	\$2,711.00	\$27,110.00	\$3,200.00	\$32,000.00
33	565	Drop Connection on Existing Manhole, MH ID 302781	1	EA	\$2,500.00	\$2,500.00	\$2,000.00	\$2,000.00	\$6,000.00	\$6,000.00	\$8,000.00	\$8,000.00
34	604	Bank Run Gravel	15	CY	\$1.50	\$22.50	\$1.00	\$15.00	\$20.00	\$300.00	\$50.00	\$750.00
35	SPEC	Post Construction 8-inch Sewer Cleaning and CCTV	270	LF	\$8.00	\$2,160.00	\$7.00	\$1,890.00	\$17.00	\$4,590.00	\$7.00	\$1,890.00
Bye Street at Roslyn Avenue (ID#407135)												

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36	557	24-inch Sanitary Sewer, VCPES, Class 'B' Bedding	55	LF	\$2,200.00	\$121,000.00	\$1,291.00	\$71,005.00	\$1,211.00	\$66,605.00	\$900.00	\$49,500.00
37	604	Bank Run Gravel	100	CY	\$1.50	\$150.00	\$1.00	\$100.00	\$20.00	\$2,000.00	\$50.00	\$5,000.00
38	SPEC	24-inch Sanitary Sewer Reconstruction, CIPP Main Liner	320	LF	\$140.00	\$44,800.00	\$102.00	\$32,640.00	\$150.00	\$48,000.00	\$125.00	\$40,000.00
39	SPEC	By-Pass Pumping Complete	1	LS	\$25,000.00	\$25,000.00	\$1.00	\$1.00	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00
Canadian Avenue & Salem Avenue (ID#434151 & 434149)												
40	201	Clearing and Grubbing	1	LS	\$7,500.00	\$7,500.00	\$2,500.00	\$2,500.00	\$5,000.00	\$5,000.00	\$3,500.00	\$3,500.00
41	SPEC	8-inch Sanitary Sewer Reconstruction, CIPP Main	230	LF	\$60.00	\$13,800.00	\$48.00	\$11,040.00	\$40.00	\$9,200.00	\$50.00	\$11,500.00
42	SPEC	24-inch Sanitary Sewer Reconstruction, CIPP Main	280	LF	\$140.00	\$39,200.00	\$110.00	\$30,800.00	\$174.00	\$48,720.00	\$120.00	\$33,600.00
43	SPEC	By-Pass Pumping Complete	1	LS	\$25,000.00	\$25,000.00	\$1.00	\$1.00	\$1,000.00	\$1,000.00	\$1,200.00	\$1,200.00
Canton Road (ID#434600 & 434603)												
44	557	10-inch Sanitary Sewer, VCPES, Class 'B' Bedding	60	LF	\$1,645.00	\$98,700.00	\$1,653.00	\$99,180.00	\$1,211.00	\$72,660.00	\$700.00	\$42,000.00
45	604	Bank Run Gravel	90	CY	\$1.50	\$135.00	\$1.00	\$90.00	\$20.00	\$1,800.00	\$50.00	\$4,500.00
46	SPEC	10-inch Sanitary Sewer Reconstruction, CIPP Main	580	LF	\$62.50	\$36,250.00	\$47.00	\$27,260.00	\$42.00	\$24,360.00	\$50.00	\$29,000.00
Cherry Street & Bates Street (ID#367940 & 427203)												
47	SPEC	8-inch Sanitary Sewer Reconstruction, CIPP Main	35	LF	\$60.00	\$2,100.00	\$200.00	\$7,000.00	\$126.00	\$4,410.00	\$190.00	\$6,650.00
48	SPEC	30-inch Combined Sewer Reconstruction, CIPP Main	135	LF	\$180.00	\$24,300.00	\$200.00	\$27,000.00	\$440.00	\$59,400.00	\$250.00	\$33,750.00
49	SPEC	By-Pass Pumping Complete	1	LS	\$25,000.00	\$25,000.00	\$1.00	\$1.00	\$1,200.00	\$1,200.00	\$1,200.00	\$1,200.00
Copley Road (ID#405141)												
50	511	Class 'C' Concrete, Encasement	5	CY	\$185.00	\$925.00	\$300.00	\$1,500.00	\$200.00	\$1,000.00	\$200.00	\$1,000.00
51	557	8-inch Sanitary Sewer, VCPES, Class 'B' Bedding	6	LF	\$1,900.00	\$11,400.00	\$6,000.00	\$36,000.00	\$1,211.00	\$7,266.00	\$4,400.00	\$26,400.00
52	565	Drop Connection on Existing Manhole, MH ID 295971	1	EA	\$2,500.00	\$2,500.00	\$2,000.00	\$2,000.00	\$7,000.00	\$7,000.00	\$6,500.00	\$6,500.00
53	604	Bank Run Gravel	10	CY	\$1.50	\$15.00	\$1.00	\$10.00	\$20.00	\$200.00	\$50.00	\$500.00
54	SPEC	Post Construction 8-inch Sewer Cleaning and CCTV	180	LF	\$8.00	\$1,440.00	\$7.00	\$1,260.00	\$17.00	\$3,060.00	\$7.00	\$1,260.00
Copley Road (ID#439843)												
55	201	Clearing and Grubbing	1	LS	\$500.00	\$500.00	\$2,500.00	\$2,500.00	\$5,000.00	\$5,000.00	\$3,500.00	\$3,500.00
56	557	6-inch Sanitary Sewer, VCPES, Class 'B' Bedding	10	LF	\$74.00	\$740.00	\$1,380.00	\$13,800.00	\$1,411.00	\$14,110.00	\$1,200.00	\$12,000.00
57	604	Bank Run Gravel	6	CY	\$1.50	\$9.00	\$1.00	\$6.00	\$20.00	\$120.00	\$50.00	\$300.00
58	659	Seeding and Mulching	10	SY	\$5.00	\$50.00	\$20.00	\$200.00	\$2.00	\$20.00	\$5.00	\$50.00
59	SPEC	Post Construction 6-inch Sewer Cleaning and CCTV	230	LF	\$8.00	\$1,840.00	\$7.00	\$1,610.00	\$17.00	\$3,910.00	\$7.00	\$1,610.00
Cuyahoga Street (ID#367365)												
60	557	15-inch Combined Sewer, VCPES, Class 'B' Bedding	30	LF	\$2,000.00	\$60,000.00	\$1,360.00	\$40,800.00	\$1,411.00	\$42,330.00	\$1,000.00	\$30,000.00
61	604	Bank Run Gravel	40	CY	\$1.50	\$60.00	\$1.00	\$40.00	\$20.00	\$800.00	\$50.00	\$2,000.00
62	SPEC	15-inch Combined Sewer Reconstruction, CIPP Main Liner	420	LF	\$80.00	\$33,600.00	\$62.00	\$26,040.00	\$63.00	\$26,460.00	\$70.00	\$29,400.00
63	SPEC	By-Pass Pumping Complete	1	LS	\$25,000.00	\$25,000.00	\$1.00	\$1.00	\$600.00	\$600.00	\$1,000.00	\$1,000.00
Dart Avenue (ID#414294)												
64	SPEC	12-inch Sanitary Sewer Reconstruction, CIPP Main Liner	350	LF	\$65.00	\$22,750.00	\$60.00	\$21,000.00	\$59.00	\$20,650.00	\$65.00	\$22,750.00
E. Exchange Street (ID#415071)												
65	511	Class 'C' Concrete, Encasement	5	CY	\$150.00	\$750.00	\$250.00	\$1,250.00	\$200.00	\$1,000.00	\$200.00	\$1,000.00
66	557	8-inch Sanitary Sewer, VCPES, Class 'B' Bedding	20	LF	\$1,500.00	\$30,000.00	\$3,245.00	\$64,900.00	\$1,211.00	\$24,220.00	\$1,700.00	\$34,000.00
67	604	Bank Run Gravel	40	CY	\$1.50	\$60.00	\$1.00	\$40.00	\$20.00	\$800.00	\$50.00	\$2,000.00
68	SPEC	Post Construction 8-inch Sewer Cleaning and CCTV	350	LF	\$8.00	\$2,800.00	\$10.00	\$3,500.00	\$17.00	\$5,950.00	\$7.00	\$2,450.00
E. Market Street (ID#369319 & 424734)												

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69	557	8-inch Sanitary Sewer, VCPES, Class 'B' Bedding	6	LF	\$1,500.00	\$9,000.00	\$6,241.00	\$37,446.00	\$1,411.00	\$8,466.00	\$4,600.00	\$27,600.00
70	604	Bank Run Gravel	10	CY	\$1.50	\$15.00	\$1.00	\$10.00	\$20.00	\$200.00	\$50.00	\$500.00
71	SPEC	Post Construction 8-inch Sewer Cleaning and CCTV	85	LF	\$8.00	\$680.00	\$10.00	\$850.00	\$17.00	\$1,445.00	\$9.00	\$765.00
72	SPEC	Interior Host Pipe Repair	15	LF	\$3,500.00	\$52,500.00	\$800.00	\$12,000.00	\$10,000.00	\$150,000.00	\$525.00	\$7,875.00
73	SPEC	27x18-inch Combined Sewer Reconstruction, CIPP	350	LF	\$360.00	\$126,000.00	\$110.00	\$38,500.00	\$200.00	\$70,000.00	\$140.00	\$49,000.00
74	SPEC	Locating and Raising Buried Manhole(s)	1	LS	\$20,000.00	\$20,000.00	\$2,000.00	\$2,000.00	\$1,000.00	\$1,000.00	\$12,000.00	\$12,000.00
75	SPEC	By-Pass Pumping Complete	1	LS	\$25,000.00	\$25,000.00	\$1.00	\$1.00	\$1,200.00	\$1,200.00	\$5,000.00	\$5,000.00
E. Mill Street (ID#367367)												
76	562	Manhole MH 2B on 27x18-inch Combined Sewer,	1	EA	\$50,000.00	\$50,000.00	\$25,000.00	\$25,000.00	\$15,000.00	\$15,000.00	\$18,000.00	\$18,000.00
77	SPEC	27x18-inch Combined Sewer Reconstruction, CIPP	590	LF	\$360.00	\$212,400.00	\$86.00	\$50,740.00	\$180.00	\$106,200.00	\$85.00	\$50,150.00
78	SPEC	By-Pass Pumping Complete	1	LS	\$25,000.00	\$25,000.00	\$1.00	\$1.00	\$800.00	\$800.00	\$5,000.00	\$5,000.00
E. North Street (ID#424827)												
79	201	Clearing and Grubbing	1	LS	\$500.00	\$500.00	\$2,500.00	\$2,500.00	\$5,000.00	\$5,000.00	\$3,500.00	\$3,500.00
80	SPEC	20-inch Sanitary Sewer Reconstruction, CIPP Main	245	LF	\$150.00	\$36,750.00	\$105.00	\$25,725.00	\$148.00	\$36,260.00	\$140.00	\$34,300.00
81	SPEC	By-Pass Pumping Complete	1	LS	\$25,000.00	\$25,000.00	\$1.00	\$1.00	\$700.00	\$700.00	\$2,000.00	\$2,000.00
East Avenue (ID#413804)												
82	557	8-inch Sanitary Sewer, VCPES, Class 'B' Bedding	12	LF	\$1,900.00	\$22,800.00	\$3,120.00	\$37,440.00	\$1,211.00	\$14,532.00	\$1,800.00	\$21,600.00
83	604	Bank Run Gravel	15	CY	\$1.50	\$22.50	\$1.00	\$15.00	\$20.00	\$300.00	\$50.00	\$750.00
84	SPEC	Post Construction 8-inch Sewer Cleaning and CCTV	280	LF	\$8.00	\$2,240.00	\$7.00	\$1,960.00	\$17.00	\$4,760.00	\$7.00	\$1,960.00
East Avenue (ID#420933)												
85	557	10-inch Sanitary Sewer, VCPES, Class 'B' Bedding	12	LF	\$1,740.00	\$20,880.00	\$3,400.00	\$40,800.00	\$1,411.00	\$16,932.00	\$1,700.00	\$20,400.00
86	604	Bank Run Gravel	20	CY	\$1.50	\$30.00	\$1.00	\$20.00	\$20.00	\$400.00	\$50.00	\$1,000.00
87	SPEC	Post Construction 10-inch Sewer Cleaning and CCTV	305	LF	\$8.00	\$2,440.00	\$7.00	\$2,135.00	\$17.00	\$5,185.00	\$7.00	\$2,135.00
Edison Avenue (ID#420875)												
88	202	Water Main Removed, 6-inch	6	LF	\$2.00	\$12.00	\$200.00	\$1,200.00	\$20.00	\$120.00	\$10.00	\$60.00
89	254	6-inch Ductile Iron Pipe	6	LF	\$235.00	\$1,410.00	\$650.00	\$3,900.00	\$1,211.00	\$7,266.00	\$20.00	\$120.00
90	259	6-inch Romac Coupling	2	EA	\$250.00	\$500.00	\$500.00	\$1,000.00	\$300.00	\$600.00	\$100.00	\$200.00
91	557	8-inch Sanitary Sewer, VCPES, Class 'B' Bedding	15	LF	\$1,900.00	\$28,500.00	\$5,000.00	\$75,000.00	\$1,711.00	\$25,665.00	\$2,300.00	\$34,500.00
92	565	Drop Connection on Existing Manhole, MH ID 302781	1	EA	\$2,500.00	\$2,500.00	\$2,000.00	\$2,000.00	\$7,000.00	\$7,000.00	\$7,000.00	\$7,000.00
93	604	Bank Run Gravel	15	CY	\$1.50	\$22.50	\$1.00	\$15.00	\$20.00	\$300.00	\$50.00	\$750.00
94	SPEC	Post Construction 8-inch Sewer Cleaning and CCTV	230	LF	\$8.00	\$1,840.00	\$7.00	\$1,610.00	\$17.00	\$3,910.00	\$7.00	\$1,610.00
Firestone Parkway (ID#415856)												
95	562	Manhole MH 2A on 8-inch Sanitary Sewer, Complete	1	EA	\$5,000.00	\$5,000.00	\$10,000.00	\$10,000.00	\$12,000.00	\$12,000.00	\$50,000.00	\$50,000.00
96	SPEC	8-inch Sanitary Sewer Reconstruction, CIPP Main Liner	455	LF	\$60.00	\$27,300.00	\$40.00	\$18,200.00	\$36.00	\$16,380.00	\$40.00	\$18,200.00
Firestone Parkway Easement (ID#415542, 416150, 416157, 757426, 411976, 413881, 413879, 420879)												
97	562	Brick Manhole Rebuilt on Sanitary Sewer, MH ID 289885	1	EA	\$3,000.00	\$3,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$7,000.00	\$7,000.00
98	SPEC	15-inch Sanitary Sewer Reconstruction, CIPP Main Liner	771	LF	\$80.00	\$61,680.00	\$64.00	\$49,344.00	\$48.00	\$37,008.00	\$65.00	\$50,115.00
99	SPEC	18-inch Sanitary Sewer Reconstruction, CIPP Main Liner	740	LF	\$100.00	\$74,000.00	\$67.00	\$49,580.00	\$90.00	\$66,600.00	\$68.00	\$50,320.00
100	SPEC	Locating and Raising Buried Manhole(s)	3	LS	\$20,000.00	\$60,000.00	\$2,000.00	\$6,000.00	\$1,000.00	\$3,000.00	\$9,000.00	\$27,000.00

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101	SPEC	By-Pass Pumping Complete	1	LS	\$25,000.00	\$25,000.00	\$1.00	\$1.00	\$800.00	\$800.00	\$1,500.00	\$1,500.00
Goodyear Boulevard to Johns Avenue (ID#436411, 436413, 436415, 424434, 436424, & 436171)												
102	201	Tree Removed	1	EA	\$600.00	\$600.00	\$750.00	\$750.00	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00
103	202	Guardrail Removed for Reuse	25	LF	\$2.00	\$50.00	\$50.00	\$1,250.00	\$10.00	\$250.00	\$50.00	\$1,250.00
104	557	15-inch Sanitary Sewer, VCPES, Class 'B' Bedding	21	LF	\$2,000.00	\$42,000.00	\$2,380.00	\$49,980.00	\$1,211.00	\$25,431.00	\$3,300.00	\$69,300.00
105	604	Bank Run Gravel	30	CY	\$1.50	\$45.00	\$1.00	\$30.00	\$20.00	\$600.00	\$50.00	\$1,500.00
106	659	Seeding and Mulching	5	SY	\$5.00	\$25.00	\$25.00	\$125.00	\$2.00	\$10.00	\$5.00	\$25.00
107	663	Tree Planting	1	EA	\$600.00	\$600.00	\$500.00	\$500.00	\$1,000.00	\$1,000.00	\$400.00	\$400.00
108	SPEC	12-inch Sanitary Sewer Reconstruction, CIPP Main Liner	240	LF	\$65.00	\$15,600.00	\$59.00	\$14,160.00	\$51.00	\$12,240.00	\$60.00	\$14,400.00
109	SPEC	15-inch Sanitary Sewer Reconstruction, CIPP Main Liner	685	LF	\$80.00	\$54,800.00	\$53.00	\$36,305.00	\$61.00	\$41,785.00	\$60.00	\$41,100.00
110	SPEC	Locating and Raising Buried Manhole(s)	1	LS	\$20,000.00	\$20,000.00	\$2,000.00	\$2,000.00	\$1,000.00	\$1,000.00	\$3,000.00	\$3,000.00
111	SPEC	By-Pass Pumping Complete	1	LS	\$25,000.00	\$25,000.00	\$1.00	\$1.00	\$700.00	\$700.00	\$1,000.00	\$1,000.00
Green Street (ID#367951)												
112	557	18-inch Combined Sewer, VCPES, Class 'B' Bedding	21	LF	\$2,490.00	\$52,290.00	\$2,253.00	\$47,313.00	\$1,411.00	\$29,631.00	\$5,200.00	\$109,200.00
113	604	Bank Run Gravel	40	CY	\$1.50	\$60.00	\$1.00	\$40.00	\$20.00	\$800.00	\$50.00	\$2,000.00
114	SPEC	18-inch Combined Sewer Reconstruction, CIPP Main Liner	295	LF	\$100.00	\$29,500.00	\$77.00	\$22,715.00	\$81.00	\$23,895.00	\$75.00	\$22,125.00
115	SPEC	By-Pass Pumping Complete	1	LS	\$25,000.00	\$25,000.00	\$1.00	\$1.00	\$800.00	\$800.00	\$1,200.00	\$1,200.00
Greenwood Avenue (ID#403285)												
116	202	Wearing Course Removed, 2-inch Thick	125	SY	\$1.25	\$156.25	\$10.00	\$1,250.00	\$10.00	\$1,250.00	\$20.00	\$2,500.00
117	448	Asphalt Concrete Surface Course, 2-inch Thick	7	CY	\$110.00	\$770.00	\$700.00	\$4,900.00	\$300.00	\$2,100.00	\$550.00	\$3,850.00
118	557	8-inch Sanitary Sewer, VCPES, Class 'B' Bedding	42	LF	\$1,700.00	\$71,400.00	\$1,166.00	\$48,972.00	\$1,111.00	\$46,662.00	\$750.00	\$31,500.00
119	604	Bank Run Gravel	45	CY	\$1.50	\$67.50	\$1.00	\$45.00	\$20.00	\$900.00	\$50.00	\$2,250.00
120	SPEC	Post Construction 8-inch Sewer Cleaning and CCTV	290	LF	\$8.00	\$2,320.00	\$7.00	\$2,030.00	\$17.00	\$4,930.00	\$7.00	\$2,030.00
Hartford Avenue (ID#420563)												
121	SPEC	8-inch Sanitary Sewer Reconstruction, CIPP Main Liner	285	LF	\$60.00	\$17,100.00	\$55.00	\$15,675.00	\$40.00	\$11,400.00	\$55.00	\$15,675.00
Highland Avenue & Casterton Avenue (ID#402484)												
122	SPEC	8-inch Sanitary Sewer Reconstruction, CIPP Main Liner	375	LF	\$60.00	\$22,500.00	\$38.00	\$14,250.00	\$31.00	\$11,625.00	\$40.00	\$15,000.00
Hobart Avenue & Merrill Avenue (ID#432367 & 424052)												
123	201	Clearing and Grubbing	1	LS	\$10,000.00	\$10,000.00	\$1.00	\$1.00	\$5,000.00	\$5,000.00	\$3,000.00	\$3,000.00
124	202	Guardrail Removed for Reuse	40	LF	\$2.00	\$80.00	\$1.00	\$40.00	\$10.00	\$400.00	\$50.00	\$2,000.00
125	557	24-inch Sanitary Sewer, VCPES, Class 'B' Bedding	12	LF	\$2,200.00	\$26,400.00	\$5,000.00	\$60,000.00	\$3,211.00	\$38,532.00	\$4,700.00	\$56,400.00
126	604	Bank Run Gravel	40	CY	\$1.50	\$60.00	\$45.00	\$1,800.00	\$20.00	\$800.00	\$50.00	\$2,000.00
127	SPEC	Post Construction 24-inch Sewer Cleaning and CCTV	280	LF	\$8.00	\$2,240.00	\$7.00	\$1,960.00	\$17.00	\$4,760.00	\$7.00	\$1,960.00
128	SPEC	24-inch Sanitary Sewer Reconstruction, CIPP Main Liner	110	LF	\$140.00	\$15,400.00	\$160.00	\$17,600.00	\$275.00	\$30,250.00	\$180.00	\$19,800.00
129	SPEC	Locating and Raising Buried Manhole(s)	1	LS	\$20,000.00	\$20,000.00	\$2,000.00	\$2,000.00	\$1,000.00	\$1,000.00	\$4,000.00	\$4,000.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	ENGINEER'S ESTIMATE AMOUNT	1. H.M. Miller Construction PRICE	1. H.M. Miller Construction AMOUNT	*2. Lockhart Concrete PRICE	*2. Lockhart Concrete AMOUNT	3. Kenmore Construction PRICE	3. Kenmore Construction AMOUNT
130	SPEC	By-Pass Pumping Complete	1	LS	\$25,000.00	\$25,000.00	\$1.00	\$1.00	\$750.00	\$750.00	\$1,500.00	\$1,500.00
Iona Avenue (ID#416123)												
131	202	Wearing Course Removed, 2-inch Thick	200	SY	\$1.25	\$250.00	\$5.00	\$1,000.00	\$10.00	\$2,000.00	\$20.00	\$4,000.00
132	448	Asphalt Concrete Surface Course, 2-inch Thick	12	CY	\$110.00	\$1,320.00	\$416.00	\$4,992.00	\$300.00	\$3,600.00	\$500.00	\$6,000.00
133	511	Class 'C' Concrete, Encasement	10	CY	\$150.00	\$1,500.00	\$150.00	\$1,500.00	\$200.00	\$2,000.00	\$200.00	\$2,000.00
134	552	48-inch Storm Sewer, Type II RCP Class IV, Class 'B' Bedding	8	LF	\$3,300.00	\$26,400.00	\$3,640.00	\$29,120.00	\$4,211.00	\$33,688.00	\$650.00	\$5,200.00
135	557	8-inch Sanitary Sewer, VCPES, Class 'B' Bedding	15	LF	\$1,900.00	\$28,500.00	\$3,975.00	\$59,625.00	\$1,411.00	\$21,165.00	\$1,400.00	\$21,000.00
136	604	Bank Run Gravel	45	CY	\$1.50	\$67.50	\$1.00	\$45.00	\$20.00	\$900.00	\$50.00	\$2,250.00
137	SPEC	Post Construction 8-inch Sewer Cleaning and CCTV	15	LF	\$8.00	\$120.00	\$50.00	\$750.00	\$17.00	\$255.00	\$50.00	\$750.00
138	SPEC	By-Pass Pumping Complete	1	LS	\$25,000.00	\$25,000.00	\$1.00	\$1.00	\$1,200.00	\$1,200.00	\$5,000.00	\$5,000.00
Juneau Avenue (ID#402332)												
139	SPEC	8-inch Sanitary Sewer Reconstruction, CIPP Main	230	LF	\$60.00	\$13,800.00	\$56.00	\$12,880.00	\$44.00	\$10,120.00	\$60.00	\$13,800.00
Kenmore Boulevard (ID#416113)												
140	SPEC	12-inch Sanitary Sewer Reconstruction, CIPP Main Liner	440	LF	\$65.00	\$28,600.00	\$53.00	\$23,320.00	\$49.00	\$21,560.00	\$55.00	\$24,200.00
Kenmore Boulevard (ID#414567)												
141	557	12-inch Sanitary Sewer, VCPES, Class 'B' Bedding	24	LF	\$2,090.00	\$50,160.00	\$2,117.00	\$50,808.00	\$1,611.00	\$38,664.00	\$1,200.00	\$28,800.00
142	604	Bank Run Gravel	40	CY	\$1.50	\$60.00	\$1.00	\$40.00	\$20.00	\$800.00	\$50.00	\$2,000.00
143	659	Seeding and Mulching	5	SY	\$5.00	\$25.00	\$25.00	\$125.00	\$2.00	\$10.00	\$5.00	\$25.00
144	SPEC	Post Construction 12-inch Sewer Cleaning and CCTV	285	LF	\$8.00	\$2,280.00	\$7.00	\$1,995.00	\$17.00	\$4,845.00	\$7.00	\$1,995.00
Koerber Avenue (ID#401715)												
145	201	Clearing and Grubbing	1	LS	\$7,500.00	\$7,500.00	\$1,500.00	\$1,500.00	\$5,000.00	\$5,000.00	\$3,000.00	\$3,000.00
146	557	8-inch Sanitary Sewer, VCPES, Class 'B' Bedding	6	LF	\$1,900.00	\$11,400.00	\$3,833.00	\$22,998.00	\$1,711.00	\$10,266.00	\$1,600.00	\$9,600.00
147	604	Bank Run Gravel	10	CY	\$1.50	\$15.00	\$1.00	\$10.00	\$20.00	\$200.00	\$50.00	\$500.00
148	659	Seeding and Mulching	289	SY	\$3.00	\$867.00	\$5.00	\$1,445.00	\$2.00	\$578.00	\$5.00	\$1,445.00
149	SPEC	Post Construction 8-inch Sewer Cleaning and CCTV	115	LF	\$8.00	\$920.00	\$10.00	\$1,150.00	\$17.00	\$1,955.00	\$7.00	\$805.00
Landon Street (ID#430105)												
150	SPEC	24-inch Sanitary Sewer Reconstruction, CIPP Main Liner	295	LF	\$140.00	\$41,300.00	\$116.00	\$34,220.00	\$185.00	\$54,575.00	\$135.00	\$39,825.00
151	SPEC	By-Pass Pumping Complete	1	LS	\$25,000.00	\$25,000.00	\$2,500.00	\$2,500.00	\$800.00	\$800.00	\$1,500.00	\$1,500.00
Little Street (ID#397340)												
152	202	Pavement Removed, 7-inch Thick	3800	SY	\$3.00	\$11,400.00	\$1.00	\$3,800.00	\$5.00	\$19,000.00	\$1.00	\$3,800.00
153	452	7-inch Plain Portland Cement Concrete Pavement	425	SY	\$80.00	\$34,000.00	\$95.00	\$40,375.00	\$54.00	\$22,950.00	\$70.00	\$29,750.00
154	557	12-inch Sanitary Sewer, VCPES, Class 'B' Bedding	150	LF	\$600.00	\$90,000.00	\$567.00	\$85,050.00	\$1,511.00	\$226,650.00	\$970.00	\$145,500.00
155	604	Bank Run Gravel	170	CY	\$1.50	\$255.00	\$1.00	\$170.00	\$20.00	\$3,400.00	\$50.00	\$8,500.00
156	SPEC	Post Construction 12-inch Sewer Cleaning and CCTV	270	LF	\$8.00	\$2,160.00	\$7.00	\$1,890.00	\$17.00	\$4,590.00	\$7.00	\$1,890.00
157	SPEC	By-Pass Pumping Complete	1	LS	\$25,000.00	\$25,000.00	\$2,500.00	\$2,500.00	\$1,200.00	\$1,200.00	\$5,000.00	\$5,000.00
Manning Avenue (ID#366848)												
158	202	Guardrail Removed for Reuse	25	LF	\$2.00	\$50.00	\$50.00	\$1,250.00	\$10.00	\$250.00	\$50.00	\$1,250.00
159	SPEC	8-inch Sanitary Sewer Reconstruction, CIPP Main Liner	180	LF	\$60.00	\$10,800.00	\$65.00	\$11,700.00	\$46.00	\$8,280.00	\$65.00	\$11,700.00
Mayview Drive (ID#405850)												

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	160	SPEC 8-inch Sanitary Sewer Reconstruction, CIPP Main Liner	195	LF	\$60.00	\$11,700.00	\$65.00	\$12,675.00	\$38.00	\$7,410.00	\$65.00	\$12,675.00
Mogadore Road (ID#437073)												
	161	SPEC 8-inch Sanitary Sewer Reconstruction, CIPP Main Liner	290	LF	\$60.00	\$17,400.00	\$40.00	\$11,600.00	\$36.00	\$10,440.00	\$45.00	\$13,050.00
N. Main Street (ID#366172 & 522524)												
	162	SPEC 24-inch Sanitary Sewer Reconstruction, CIPP Main Liner	70	LF	\$140.00	\$9,800.00	\$190.00	\$13,300.00	\$540.00	\$37,800.00	\$195.00	\$13,650.00
	163	SPEC 30-inch Sanitary Sewer Reconstruction, CIPP Main Liner	75	LF	\$180.00	\$13,500.00	\$300.00	\$22,500.00	\$550.00	\$41,250.00	\$900.00	\$67,500.00
	164	SPEC By-Pass Pumping Complete	1	LS	\$25,000.00	\$25,000.00	\$3,000.00	\$3,000.00	\$1,200.00	\$1,200.00	\$2,000.00	\$2,000.00
Neil Evan Drive (ID#406434)												
	165	201 Clearing and Grubbing	1	LS	\$15,000.00	\$15,000.00	\$1.00	\$1.00	\$30,000.00	\$30,000.00	\$5,000.00	\$5,000.00
	166	201 Tree Removed along aerial sewer	4	EA	\$650.00	\$2,600.00	\$250.00	\$1,000.00	\$1,000.00	\$4,000.00	\$500.00	\$2,000.00
	167	201 Additional tree removal allowance	1	LS	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
	168	202 Remove and Dispose Existing Aerial Crossing	1	LS	\$30,000.00	\$30,000.00	\$7,500.00	\$7,500.00	\$5,000.00	\$5,000.00	\$15,000.00	\$15,000.00
	169	264 14-inch Steel Casing Pipe, Aerial Crossing w/ Pipe Support(s)	100	LF	\$1,500.00	\$150,000.00	\$500.00	\$50,000.00	\$250.00	\$25,000.00	\$3,100.00	\$310,000.00
	170	511 Class 'C' Concrete, Casing Support Foundation	5	CY	\$1,500.00	\$7,500.00	\$150.00	\$750.00	\$200.00	\$1,000.00	\$500.00	\$2,500.00
	171	518 8-inch HDPE DR-11 Carrier Pipe, Adaptors, Spacers, Fittings	110	LF	\$400.00	\$44,000.00	\$300.00	\$33,000.00	\$250.00	\$27,500.00	\$200.00	\$22,000.00
	172	557 8-inch Sanitary Sewer, VCPES, Class 'B' Bedding	10	LF	\$1,900.00	\$19,000.00	\$300.00	\$3,000.00	\$2,211.00	\$22,110.00	\$1,000.00	\$10,000.00
	173	562 Brick Manhole Rebuilt on Sanitary Sewer, MH ID 297400	1	EA	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$5,000.00	\$5,000.00
	174	604 Bank Run Gravel	10	CY	\$1.50	\$15.00	\$1.00	\$10.00	\$20.00	\$200.00	\$50.00	\$500.00
	175	615 Construct Temporary Access	1	LS	\$40,000.00	\$40,000.00	\$5,000.00	\$5,000.00	\$7,500.00	\$7,500.00	\$25,000.00	\$25,000.00
	176	659 Seeding and Mulching	500	SY	\$5.00	\$2,500.00	\$3.00	\$1,500.00	\$2.00	\$1,000.00	\$5.00	\$2,500.00
	177	663 Tree Planting (Install as Directed)	1	LS	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
	178	SPEC Allowance for Tree Management coordination with Metroparks Arborist	1	LS	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
	179	SPEC By-Pass Pumping Complete	1	LS	\$20,000.00	\$20,000.00	\$2,500.00	\$2,500.00	\$1,200.00	\$1,200.00	\$15,000.00	\$15,000.00
	180	SPEC Post Construction 8-inch Sewer Cleaning and CCTV	115	LF	\$8.00	\$920.00	\$10.00	\$1,150.00	\$17.00	\$1,955.00	\$10.00	\$1,150.00
Newton Street (ID#428010 & 437325)												
	181	SPEC 8-inch Sanitary Sewer Reconstruction, CIPP Main Liner	460	LF	\$60.00	\$27,600.00	\$55.00	\$25,300.00	\$38.00	\$17,480.00	\$55.00	\$25,300.00
Newton Street (ID#764919)												
	182	SPEC Interior Host Pipe Repair	35	LF	\$750.00	\$26,250.00	\$750.00	\$26,250.00	\$275.00	\$9,625.00	\$635.00	\$22,225.00
	183	SPEC By-Pass Pumping Complete	1	LS	\$25,000.00	\$25,000.00	\$6,500.00	\$6,500.00	\$1,200.00	\$1,200.00	\$10,000.00	\$10,000.00
Park Street (ID#429244 & 429246)												
	184	557 18-inch Combined Sewer, VCPES, Class 'B' Bedding	75	LF	\$2,400.00	\$180,000.00	\$1,186.00	\$88,950.00	\$961.00	\$72,075.00	\$650.00	\$48,750.00
	185	604 Bank Run Gravel	50	CY	\$1.50	\$75.00	\$1.00	\$50.00	\$20.00	\$1,000.00	\$50.00	\$2,500.00
	186	SPEC 18-inch Combined Sewer Reconstruction, CIPP Main	550	LF	\$100.00	\$55,000.00	\$84.00	\$46,200.00	\$75.00	\$41,250.00	\$85.00	\$46,750.00
	187	SPEC By-Pass Pumping Complete	1	LS	\$25,000.00	\$25,000.00	\$1.00	\$1.00	\$600.00	\$600.00	\$1,400.00	\$1,400.00
Park Street (ID#426824 & 769358)												

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188	562	Manhole MH 2A on 18-inch Sanitary Sewer,	1	EA	\$5,000.00	\$5,000.00	\$10,000.00	\$10,000.00	\$5,000.00	\$5,000.00	\$34,000.00	\$34,000.00
189	SPEC	18-inch Combined Sewer Reconstruction, CIPP Main Liner	235	LF	\$100.00	\$23,500.00	\$83.00	\$19,505.00	\$84.00	\$19,740.00	\$85.00	\$19,975.00
190	SPEC	By-Pass Pumping Complete	1	LS	\$25,000.00	\$25,000.00	\$1.00	\$1.00	\$600.00	\$600.00	\$1,000.00	\$1,000.00
Pickford Avenue (ID#410773)												
191	202	Guardrail Removed for Reuse	25	LF	\$2.00	\$50.00	\$50.00	\$1,250.00	\$10.00	\$250.00	\$50.00	\$1,250.00
192	557	8-inch Sanitary Sewer, VCPES, Class 'B' Bedding	6	LF	\$1,900.00	\$11,400.00	\$3,667.00	\$22,002.00	\$2,711.00	\$16,266.00	\$2,900.00	\$17,400.00
193	604	Bank Run Gravel	10	CY	\$1.50	\$15.00	\$1.00	\$10.00	\$20.00	\$200.00	\$50.00	\$500.00
194	SPEC	8-inch Sanitary Sewer Reconstruction, CIPP Main Liner	280	LF	\$60.00	\$16,800.00	\$56.00	\$15,680.00	\$43.00	\$12,040.00	\$58.00	\$16,240.00
Princeton Street (ID#420873)												
195	SPEC	18-inch Sanitary Sewer Reconstruction, CIPP Main Liner	130	LF	\$100.00	\$13,000.00	\$121.00	\$15,730.00	\$108.00	\$14,040.00	\$125.00	\$16,250.00
196	SPEC	By-Pass Pumping Complete	1	LS	\$25,000.00	\$25,000.00	\$1.00	\$1.00	\$500.00	\$500.00	\$1,000.00	\$1,000.00
Puritan Drive (ID#425887)												
197	201	Clearing and Grubbing	1	LS	\$10,000.00	\$10,000.00	\$2,000.00	\$2,000.00	\$5,000.00	\$5,000.00	\$3,000.00	\$3,000.00
198	SPEC	8-inch Sanitary Sewer Reconstruction, CIPP Main Liner	280	LF	\$60.00	\$16,800.00	\$44.00	\$12,320.00	\$32.00	\$8,960.00	\$45.00	\$12,600.00
Rockynol Parking Lot (ID#408324)												
199	SPEC	10-inch Sanitary Sewer Reconstruction, CIPP Main Liner	175	LF	\$62.50	\$10,937.50	\$62.00	\$10,850.00	\$43.00	\$7,525.00	\$65.00	\$11,375.00
S. High Street (ID#426677)												
200	202	Wearing Course Removed, 2-inch Thick	105	SY	\$1.25	\$131.25	\$10.00	\$1,050.00	\$10.00	\$1,050.00	\$25.00	\$2,625.00
201	448	Asphalt Concrete Surface Course, 2-inch Thick	6	CY	\$110.00	\$660.00	\$750.00	\$4,500.00	\$300.00	\$1,800.00	\$700.00	\$4,200.00
202	557	12-inch Sanitary Sewer, VCPES, Class 'B' Bedding	16	LF	\$2,200.00	\$35,200.00	\$4,708.00	\$75,328.00	\$2,011.00	\$32,176.00	\$2,600.00	\$41,600.00
203	604	Bank Run Gravel	25	CY	\$1.50	\$37.50	\$1.00	\$25.00	\$20.00	\$500.00	\$50.00	\$1,250.00
204	SPEC	Post Construction 12-inch Sewer Cleaning and CCTV	40	LF	\$8.00	\$320.00	\$10.00	\$400.00	\$17.00	\$680.00	\$20.00	\$800.00
S. Main Street (ID#426086)												
205	202	Brick Walk Removed (Brick Salvaged)	9	SY	\$125.00	\$1,125.00	\$100.00	\$900.00	\$75.00	\$675.00	\$50.00	\$450.00
206	460	Brick Walk Relaid	80	SF	\$40.00	\$3,200.00	\$50.00	\$4,000.00	\$80.00	\$6,400.00	\$85.00	\$6,800.00
207	557	12-inch Sanitary Sewer, VCPES, Class 'B' Bedding	10	LF	\$2,000.00	\$20,000.00	\$2,819.00	\$28,190.00	\$1,611.00	\$16,110.00	\$1,300.00	\$13,000.00
208	604	Bank Run Gravel	10	CY	\$1.50	\$15.00	\$1.00	\$10.00	\$20.00	\$200.00	\$50.00	\$500.00
209	SPEC	Post Construction 12-inch Sewer Cleaning and CCTV	290	LF	\$8.00	\$2,320.00	\$7.00	\$2,030.00	\$17.00	\$4,930.00	\$7.00	\$2,030.00
S. Maiden Lane Alley (ID#426061)												
210	SPEC	8-inch Sanitary Sewer Reconstruction, CIPP Main Liner	430	LF	\$60.00	\$25,800.00	\$42.00	\$18,060.00	\$38.00	\$16,340.00	\$45.00	\$19,350.00
S. Portage Path (ID#405706 & 405999)												
211	202	Wearing Course Removed, 2-inch Thick	116	SY	\$1.25	\$145.00	\$10.00	\$1,160.00	\$10.00	\$1,160.00	\$25.00	\$2,900.00
212	448	Asphalt Concrete Surface Course, 2-inch Thick	6.5	CY	\$110.00	\$715.00	\$650.00	\$4,225.00	\$300.00	\$1,950.00	\$650.00	\$4,225.00
213	552	24-inch Combined Sewer, Type II RCP Class IV,	8	LF	\$2,350.00	\$18,800.00	\$2,517.00	\$20,136.00	\$4,211.00	\$33,688.00	\$1,750.00	\$14,000.00
214	557	8-inch Sanitary Sewer, VCPES, Class 'B' Bedding	20	LF	\$1,800.00	\$36,000.00	\$1,917.00	\$38,340.00	\$1,711.00	\$34,220.00	\$1,500.00	\$30,000.00
215	562	Manhole MH 2B on 24-inch Combined Sewer,	1	EA	\$50,000.00	\$50,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$15,000.00	\$15,000.00
216	604	Bank Run Gravel	30	CY	\$1.50	\$45.00	\$1.00	\$30.00	\$20.00	\$600.00	\$50.00	\$1,500.00
217	SPEC	Post Construction 8-inch Sewer Cleaning and CCTV	400	LF	\$8.00	\$3,200.00	\$7.00	\$2,800.00	\$17.00	\$6,800.00	\$7.00	\$2,800.00
Salem Avenue Easement (ID#431366)												

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	ENGINEER'S ESTIMATE AMOUNT	1. H.M. Miller Construction PRICE	1. H.M. Miller Construction AMOUNT	*2. Lockhart Concrete PRICE	*2. Lockhart Concrete AMOUNT	3. Kenmore Construction PRICE	3. Kenmore Construction AMOUNT
218	SPEC	24-inch Sanitary Sewer Reconstruction, CIPP Main Liner	275	LF	\$140.00	\$38,500.00	\$114.00	\$31,350.00	\$180.00	\$49,500.00	\$125.00	\$34,375.00
St. Michaels Avenue (ID#405653)												
219	557	15-inch Sanitary Sewer, VCPES, Class 'B' Bedding	10	LF	\$2,000.00	\$20,000.00	\$3,681.00	\$36,810.00	\$2,211.00	\$22,110.00	\$2,600.00	\$26,000.00
220	604	Bank Run Gravel	20	CY	\$1.50	\$30.00	\$1.00	\$20.00	\$20.00	\$400.00	\$50.00	\$1,000.00
221	659	Seeding and Mulching	5	SY	\$5.00	\$25.00	\$25.00	\$125.00	\$2.00	\$10.00	\$5.00	\$25.00
222	SPEC	Post Construction 15-inch Sewer Cleaning and CCTV	130	LF	\$8.00	\$1,040.00	\$10.00	\$1,300.00	\$17.00	\$2,210.00	\$7.00	\$910.00
223	SPEC	By-Pass Pumping Complete	1	LS	\$25,000.00	\$25,000.00	\$1.00	\$1.00	\$1,200.00	\$1,200.00	\$7,000.00	\$7,000.00
Stanton Avenue (ID#409955)												
224	SPEC	24-inch Sanitary Sewer Reconstruction, CIPP Main	325	LF	\$140.00	\$45,500.00	\$125.00	\$40,625.00	\$190.00	\$61,750.00	\$360.00	\$117,000.00
225	SPEC	By-Pass Pumping Complete	1	LS	\$25,000.00	\$25,000.00	\$30,000.00	\$30,000.00	\$800.00	\$800.00	\$50,000.00	\$50,000.00
Stetler Avenue (ID#432298)												
226	SPEC	8-inch Sanitary Sewer Reconstruction, CIPP Main Liner	305	LF	\$60.00	\$18,300.00	\$50.00	\$15,250.00	\$40.00	\$12,200.00	\$50.00	\$15,250.00
Tullis Avenue (ID#368936)												
227	202	Fence Removed for Reuse	12	LF	\$20.00	\$240.00	\$50.00	\$600.00	\$10.00	\$120.00	\$25.00	\$300.00
228	557	12-inch Sanitary Sewer, VCPES, Class 'B' Bedding	25	LF	\$2,080.00	\$52,000.00	\$2,686.00	\$67,150.00	\$2,711.00	\$67,775.00	\$725.00	\$18,125.00
229	604	Bank Run Gravel	30	CY	\$1.50	\$45.00	\$1.00	\$30.00	\$20.00	\$600.00	\$50.00	\$1,500.00
230	SPEC	12-inch Sanitary Sewer Reconstruction, CIPP Main	290	LF	\$65.00	\$18,850.00	\$62.00	\$17,980.00	\$60.00	\$17,400.00	\$65.00	\$18,850.00
231	SPEC	Locating and Raising Buried Manhole(s)	1	LS	\$20,000.00	\$20,000.00	\$2,000.00	\$2,000.00	\$1,000.00	\$1,000.00	\$3,600.00	\$3,600.00
University Avenue (ID#424285 & 424287)												
232	202	Sanitary Cleanout Removed	1	EA	\$750.00	\$750.00	\$500.00	\$500.00	\$300.00	\$300.00	\$1,000.00	\$1,000.00
233	202	Wearing Course Removed, 2-inch Thick	132	SY	\$1.25	\$165.00	\$10.00	\$1,320.00	\$10.00	\$1,320.00	\$25.00	\$3,300.00
234	448	Asphalt Concrete Surface Course, 2-inch Thick	7.5	CY	\$110.00	\$825.00	\$750.00	\$5,625.00	\$300.00	\$2,250.00	\$600.00	\$4,500.00
235	557	8-inch Sanitary Sewer, VCPES, Class 'B' Bedding	5	LF	\$1,900.00	\$9,500.00	\$6,792.00	\$33,960.00	\$1,211.00	\$6,055.00	\$2,600.00	\$13,000.00
236	604	Bank Run Gravel	10	CY	\$1.50	\$15.00	\$1.00	\$10.00	\$20.00	\$200.00	\$50.00	\$500.00
237	SPEC	Post Construction 8-inch Sewer Cleaning and CCTV	310	LF	\$8.00	\$2,480.00	\$7.00	\$2,170.00	\$17.00	\$5,270.00	\$7.00	\$2,170.00
Vernon Odom Boulevard (ID#420242)												
238	253	Boring for Water Service, Raise or Lower Repair	1	EA	\$1,350.00	\$1,350.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$500.00	\$500.00
239	511	Class 'C' Concrete, Encasement	5	CY	\$185.00	\$925.00	\$150.00	\$750.00	\$200.00	\$1,000.00	\$200.00	\$1,000.00
240	557	8-inch Sanitary Sewer, VCPES, Class 'B' Bedding	10	LF	\$1,900.00	\$19,000.00	\$1,550.00	\$15,500.00	\$2,011.00	\$20,110.00	\$1,750.00	\$17,500.00
241	604	Bank Run Gravel	15	CY	\$1.50	\$22.50	\$1.00	\$15.00	\$20.00	\$300.00	\$50.00	\$750.00
242	SPEC	Post Construction 8-inch Sewer Cleaning and CCTV	305	LF	\$8.00	\$2,440.00	\$7.00	\$2,135.00	\$17.00	\$5,185.00	\$7.00	\$2,135.00
W. Emerling Avenue (ID#403994 & 746507)												
243	SPEC	42-inch Sanitary Sewer Reconstruction, CIPP Main Liner	520	LF	\$280.00	\$145,600.00	\$285.00	\$148,200.00	\$528.00	\$274,560.00	\$320.00	\$166,400.00
244	SPEC	Locating and Raising Buried Manhole(s), CIPP	1	LS	\$20,000.00	\$20,000.00	\$5,000.00	\$5,000.00	\$2,000.00	\$2,000.00	\$5,000.00	\$5,000.00
245	SPEC	By-Pass Pumping Complete	1	LS	\$25,000.00	\$25,000.00	\$40,000.00	\$40,000.00	\$7,000.00	\$7,000.00	\$65,000.00	\$65,000.00
W. Exchange Street (ID#365740)												
246	SPEC	Interior Host Pipe Repair	5	LF	\$3,500.00	\$17,500.00	\$2,000.00	\$10,000.00	\$400.00	\$2,000.00	\$1,100.00	\$5,500.00
247	SPEC	Post Construction 33 x 27-inch Sewer Cleaning and	15	LF	\$8.00	\$120.00	\$25.00	\$375.00	\$17.00	\$255.00	\$50.00	\$750.00
W. Exchange Street (ID#423588)												
248	202	Steam Vault Removed	1	EA	\$750.00	\$750.00	\$1,000.00	\$1,000.00	\$4,000.00	\$4,000.00	\$5,000.00	\$5,000.00
249	557	8-inch Sanitary Sewer, VCPES, Class 'B' Bedding	10	LF	\$1,900.00	\$19,000.00	\$3,300.00	\$33,000.00	\$2,011.00	\$20,110.00	\$6,900.00	\$69,000.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	ENGINEER'S ESTIMATE AMOUNT	1. H.M. Miller Construction PRICE	1. H.M. Miller Construction AMOUNT	*2. Lockhart Concrete PRICE	*2. Lockhart Concrete AMOUNT	3. Kenmore Construction PRICE	3. Kenmore Construction AMOUNT		
250	562	Precast Vault Rebuilt (Steam)	1	EA	\$2,500.00	\$2,500.00	\$1,000.00	\$1,000.00	\$10,000.00	\$10,000.00	\$40,000.00	\$40,000.00		
251	604	Bank Run Gravel	20	CY	\$1.50	\$30.00	\$1.00	\$20.00	\$20.00	\$400.00	\$50.00	\$1,000.00		
252	SPEC	Post Construction 8-inch Sewer Cleaning and CCTV	140	LF	\$8.00	\$1,120.00	\$7.00	\$980.00	\$17.00	\$2,380.00	\$7.00	\$980.00		
W. Market Street (ID#409389)														
253	SPEC	12-inch Sanitary Sewer Reconstruction, CIPP Main Liner	200	LF	\$65.00	\$13,000.00	\$65.00	\$13,000.00	\$52.00	\$10,400.00	\$65.00	\$13,000.00		
W. Market Street (ID#408336)														
254	557	10-inch Sanitary Sewer, VCPES, Class 'B' Bedding	10	LF	\$1,600.00	\$16,000.00	\$3,030.00	\$30,300.00	\$2,711.00	\$27,110.00	\$2,400.00	\$24,000.00		
255	604	Bank Run Gravel	15	CY	\$1.50	\$22.50	\$1.00	\$15.00	\$20.00	\$300.00	\$50.00	\$750.00		
256	659	Seeding and Mulching	5	SY	\$5.00	\$25.00	\$25.00	\$125.00	\$2.00	\$10.00	\$5.00	\$25.00		
257	SPEC	Post Construction 10-inch Sewer Cleaning and CCTV	190	LF	\$8.00	\$1,520.00	\$10.00	\$1,900.00	\$17.00	\$3,230.00	\$7.00	\$1,330.00		
Wye Road (ID#421949)														
258	202	Guardrail Removed for Reuse	25	LF	\$2.00	\$50.00	\$50.00	\$1,250.00	\$10.00	\$250.00	\$50.00	\$1,250.00		
259	557	8-inch Sanitary Sewer, VCPES, Class 'B' Bedding	10	LF	\$1,900.00	\$19,000.00	\$2,556.00	\$25,560.00	\$1,000.00	\$10,000.00	\$1,600.00	\$16,000.00		
260	604	Bank Run Gravel	15	CY	\$1.50	\$22.50	\$1.00	\$15.00	\$20.00	\$300.00	\$50.00	\$750.00		
261	659	Seeding and Mulching	5	SY	\$5.00	\$25.00	\$25.00	\$125.00	\$2.00	\$10.00	\$5.00	\$25.00		
262	SPEC	Post Construction 8-inch Sewer Cleaning and CCTV	210	LF	\$8.00	\$1,680.00	\$7.00	\$1,470.00	\$17.00	\$3,570.00	\$7.00	\$1,470.00		
TOTAL CONSTRUCTION COSTS						\$5,005,065.50		\$3,813,591.00		\$4,260,602.00		\$5,736,180.00		
+/- ENGINEER'S ESTIMATE										-23.8%		-14.9%		+14.6%

*Ref #29 Total Item Cost written in book is incorrect; Unofficial Construction Cost Total is incorrect.