

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		1. Instiform Technologies		2. Inland Water Pol. Contrl.		*3. Utility Services Authority	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
1	103.05	Contract Performance Bond	1	L.S.	\$15,000.00	\$15,000.00	\$1.00	\$1.00	\$6,000.00	\$6,000.00	\$8,000.00	\$8,000.00
2	613	Uniformed Law Enforcement Officer	320	HOUR	\$35.00	\$11,200.00	\$35.00	\$11,200.00	\$35.00	\$11,200.00	\$35.00	\$11,200.00
3	614	Maintaining Traffic	1	L.S.	\$12,500.00	\$12,500.00	\$1,550.00	\$1,550.00	\$8,000.00	\$8,000.00	\$3,800.00	\$3,800.00
4	618	Computer Equipment	1	Allow.	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00
5	619	Field Office	1	L.S.	\$4,000.00	\$4,000.00	\$103.00	\$103.00	\$2,500.00	\$2,500.00	\$2,000.00	\$2,000.00
6	623	Construction Layout Stakes	1	L.S.	\$7,000.00	\$7,000.00	\$1.00	\$1.00	\$500.00	\$500.00	\$1,200.00	\$1,200.00
7	624	Mobilization	1	L.S.	\$16,500.00	\$16,500.00	\$7,900.00	\$7,900.00	\$10,000.00	\$10,000.00	\$7,500.00	\$7,500.00
Bellows												
8	562	Manhole Rechanneled 8" Sanitary Sewer Reconstruction by the CIPP	1	EACH	\$500.00	\$500.00	\$1,030.00	\$1,030.00	\$1,000.00	\$1,000.00	\$800.00	\$800.00
9	SPEC	Process	370	L.F.	\$90.00	\$33,300.00	\$33.50	\$12,395.00	\$32.50	\$12,025.00	\$27.00	\$9,990.00
10	SPEC	By-Pass Pumping	1	L.S.	\$10,000.00	\$10,000.00	\$512.00	\$512.00	\$250.00	\$250.00	\$250.00	\$250.00
11	SPEC	Heavy Root Cutting	50	L.F.	\$50.00	\$2,500.00	\$0.50	\$25.00	\$1.00	\$50.00	\$10.00	\$500.00
Rack 34												
30" Sanitary Sewer Reconstruction by the CIPP												
12	SPEC	Process	220	L.F.	\$260.00	\$57,200.00	\$152.00	\$33,440.00	\$105.00	\$23,100.00	\$250.00	\$55,000.00
13	SPEC	By-Pass Pumping	1	L.S.	\$35,000.00	\$35,000.00	\$1,080.00	\$1,080.00	\$1,500.00	\$1,500.00	\$1,000.00	\$1,000.00
14	SPEC	Heavy Root Cutting	75	L.F.	\$50.00	\$3,750.00	\$0.50	\$37.50	\$1.00	\$75.00	\$20.00	\$1,500.00
Chatham												
8" Sanitary Sewer Reconstruction by the CIPP												
15	SPEC	Process	470	L.F.	\$90.00	\$42,300.00	\$31.00	\$14,570.00	\$30.00	\$14,100.00	\$27.00	\$12,690.00
16	SPEC	By-Pass Pumping	1	L.S.	\$10,000.00	\$10,000.00	\$683.00	\$683.00	\$500.00	\$500.00	\$250.00	\$250.00
17	SPEC	Heavy Root Cutting	75	L.F.	\$50.00	\$3,750.00	\$0.50	\$37.50	\$1.00	\$75.00	\$10.00	\$750.00
Tampa												
8" Sanitary Sewer Reconstruction by the CIPP												
18	SPEC	Process	1065	L.F.	\$90.00	\$95,850.00	\$34.00	\$36,210.00	\$30.00	\$31,950.00	\$27.00	\$28,755.00
19	SPEC	By-Pass Pumping	1	L.S.	\$15,500.00	\$15,500.00	\$1,514.00	\$1,514.00	\$1,500.00	\$1,500.00	\$250.00	\$250.00
20	SPEC	Heavy Root Cutting	195	L.F.	\$50.00	\$9,750.00	\$0.50	\$97.50	\$1.00	\$195.00	\$10.00	\$1,950.00
13th Street												
8" Sanitary Sewer Reconstruction by the CIPP												
21	SPEC	Process	405	L.F.	\$90.00	\$36,450.00	\$29.00	\$11,745.00	\$31.00	\$12,555.00	\$27.00	\$10,935.00
22	SPEC	By-Pass Pumping	1	L.S.	\$10,000.00	\$10,000.00	\$540.00	\$540.00	\$500.00	\$500.00	\$250.00	\$250.00
23	SPEC	Heavy Root Cutting	50	L.F.	\$50.00	\$2,500.00	\$0.50	\$25.00	\$1.00	\$50.00	\$10.00	\$500.00
Stetler												
24	562	Manhole Rechanneled 8" Sanitary Sewer Reconstruction by the CIPP	1	EACH	\$500.00	\$500.00	\$1,030.00	\$1,030.00	\$1,000.00	\$1,000.00	\$800.00	\$800.00
25	SPEC	Process	1175	L.F.	\$90.00	\$105,750.00	\$32.50	\$38,187.50	\$30.00	\$35,250.00	\$27.00	\$31,725.00
26	SPEC	By-Pass Pumping	1	L.S.	\$25,000.00	\$25,000.00	\$1,600.00	\$1,600.00	\$1,500.00	\$1,500.00	\$250.00	\$250.00
27	SPEC	Heavy Root Cutting	100	L.F.	\$50.00	\$5,000.00	\$0.50	\$50.00	\$1.00	\$100.00	\$10.00	\$1,000.00
Berwyck												
8" Sanitary Sewer Reconstruction by the CIPP												
28	SPEC	Process	405	L.F.	\$90.00	\$36,450.00	\$31.00	\$12,555.00	\$30.00	\$12,150.00	\$27.00	\$10,935.00
29	SPEC	By-Pass Pumping	1	L.S.	\$10,000.00	\$10,000.00	\$540.00	\$540.00	\$1,000.00	\$1,000.00	\$250.00	\$250.00
30	SPEC	Heavy Root Cutting	50	L.F.	\$50.00	\$2,500.00	\$0.50	\$25.00	\$1.00	\$50.00	\$10.00	\$500.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	ENGINEER'S ESTIMATE AMOUNT	1. Instiform Technologies PRICE	1. Instiform Technologies AMOUNT	2. Inland Water Pol. Contrl. PRICE	2. Inland Water Pol. Contrl. AMOUNT	*3. Utility Services Authority PRICE	*3. Utility Services Authority AMOUNT	
Diagonal													
		8" Sanitary Sewer Reconstruction by the CIPP											
31	SPEC	Process	400	L.F.	\$90.00	\$36,000.00	\$28.00	\$11,200.00	\$28.50	\$11,400.00	\$27.00	\$10,800.00	
32	SPEC	By-Pass Pumping	1	L.S.	\$10,000.00	\$10,000.00	\$535.00	\$535.00	\$1,000.00	\$1,000.00	\$250.00	\$250.00	
33	SPEC	Heavy Root Cutting	50	L.F.	\$50.00	\$2,500.00	\$0.50	\$25.00	\$1.00	\$50.00	\$10.00	\$500.00	
Artman													
		8" Sanitary Sewer Reconstruction by the CIPP											
34	SPEC	Process	785	L.F.	\$90.00	\$70,650.00	\$32.00	\$25,120.00	\$31.00	\$24,335.00	\$27.00	\$21,195.00	
35	SPEC	By-Pass Pumping	1	L.S.	\$17,500.00	\$17,500.00	\$1,060.00	\$1,060.00	\$1,000.00	\$1,000.00	\$250.00	\$250.00	
36	SPEC	Heavy Root Cutting	80	L.F.	\$50.00	\$4,000.00	\$0.50	\$40.00	\$1.00	\$80.00	\$10.00	\$800.00	
Noah/Storer													
		8" Sanitary Sewer Reconstruction by the CIPP											
37	SPEC	Process	320	L.F.	\$90.00	\$28,800.00	\$32.00	\$10,240.00	\$35.00	\$11,200.00	\$27.00	\$8,640.00	
38	SPEC	By-Pass Pumping	1	L.S.	\$10,000.00	\$10,000.00	\$474.00	\$474.00	\$500.00	\$500.00	\$250.00	\$250.00	
39	SPEC	Heavy Root Cutting	50	L.F.	\$50.00	\$2,500.00	\$0.50	\$25.00	\$1.00	\$50.00	\$10.00	\$500.00	
Balch													
		8" Sanitary Sewer Reconstruction by the CIPP											
40	SPEC	Process	485	L.F.	\$90.00	\$43,650.00	\$28.50	\$13,822.50	\$30.00	\$14,550.00	\$27.00	\$13,095.00	
41	SPEC	By-Pass Pumping	1	L.S.	\$10,000.00	\$10,000.00	\$600.00	\$600.00	\$500.00	\$500.00	\$250.00	\$250.00	
42	SPEC	Heavy Root Cutting	80	L.F.	\$50.00	\$4,000.00	\$0.50	\$40.00	\$1.00	\$80.00	\$10.00	\$800.00	
Westwood													
		8" Sanitary Sewer Reconstruction by the CIPP											
43	SPEC	Process	400	L.F.	\$90.00	\$36,000.00	\$31.00	\$12,400.00	\$36.00	\$14,400.00	\$27.00	\$10,800.00	
44	SPEC	By-Pass Pumping	1	L.S.	\$15,000.00	\$15,000.00	\$535.00	\$535.00	\$500.00	\$500.00	\$250.00	\$250.00	
45	SPEC	Heavy Root Cutting	40	L.F.	\$50.00	\$2,000.00	\$0.50	\$20.00	\$1.00	\$40.00	\$10.00	\$400.00	
TOTAL CONSTRUCTION COSTS						\$916,350.00		\$268,820.50		\$272,360.00		\$277,310.00	
+/- ENGINEER'S ESTIMATE													
									-70.7%		-70.3%		-69.7%

* Total Construction Cost incorrect on bidding schedule

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		4. United Survey Inc.		5. Reynolds Inliner LLC		6. Kokosing Construction	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
1	103.05	Contract Performance Bond	1	L.S.	\$15,000.00	\$15,000.00	\$8,000.00	\$8,000.00	\$2,000.00	\$2,000.00	\$10,000.00	\$10,000.00
2	613	Uniformed Law Enforcement Officer	320	HOUR	\$35.00	\$11,200.00	\$35.00	\$11,200.00	\$35.00	\$11,200.00	\$35.00	\$11,200.00
3	614	Maintaining Traffic	1	L.S.	\$12,500.00	\$12,500.00	\$1,000.00	\$1,000.00	\$2,100.00	\$2,100.00	\$500.00	\$500.00
4	618	Computer Equipment	1	Allow.	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00
5	619	Field Office	1	L.S.	\$4,000.00	\$4,000.00	\$500.00	\$500.00	\$400.00	\$400.00	\$22,350.00	\$22,350.00
6	623	Construction Layout Stakes	1	L.S.	\$7,000.00	\$7,000.00	\$10.00	\$10.00	\$150.00	\$150.00	\$100.00	\$100.00
7	624	Mobilization	1	L.S.	\$16,500.00	\$16,500.00	\$2,000.00	\$2,000.00	\$8,200.00	\$8,200.00	\$25,000.00	\$25,000.00
Bellows												
8	562	Manhole Rechanneled 8" Sanitary Sewer Reconstruction by the CIPP	1	EACH	\$500.00	\$500.00	\$750.00	\$750.00	\$1,242.00	\$1,242.00	\$2,000.00	\$2,000.00
9	SPEC	Process	370	L.F.	\$90.00	\$33,300.00	\$33.40	\$12,358.00	\$41.00	\$15,170.00	\$47.00	\$17,390.00
10	SPEC	By-Pass Pumping	1	L.S.	\$10,000.00	\$10,000.00	\$50.00	\$50.00	\$1,400.00	\$1,400.00	\$1.00	\$1.00
11	SPEC	Heavy Root Cutting	50	L.F.	\$50.00	\$2,500.00	\$1.00	\$50.00	\$2.70	\$135.00	\$7.00	\$350.00
Rack 34												
30" Sanitary Sewer Reconstruction by the CIPP												
12	SPEC	Process	220	L.F.	\$260.00	\$57,200.00	\$260.00	\$57,200.00	\$145.00	\$31,900.00	\$197.00	\$43,340.00
13	SPEC	By-Pass Pumping	1	L.S.	\$35,000.00	\$35,000.00	\$50.00	\$50.00	\$1,400.00	\$1,400.00	\$1.00	\$1.00
14	SPEC	Heavy Root Cutting	75	L.F.	\$50.00	\$3,750.00	\$1.00	\$75.00	\$2.70	\$202.50	\$40.00	\$3,000.00
Chatham												
8" Sanitary Sewer Reconstruction by the CIPP												
15	SPEC	Process	470	L.F.	\$90.00	\$42,300.00	\$33.40	\$15,698.00	\$41.00	\$19,270.00	\$39.00	\$18,330.00
16	SPEC	By-Pass Pumping	1	L.S.	\$10,000.00	\$10,000.00	\$50.00	\$50.00	\$1,400.00	\$1,400.00	\$1.00	\$1.00
17	SPEC	Heavy Root Cutting	75	L.F.	\$50.00	\$3,750.00	\$1.00	\$75.00	\$2.70	\$202.50	\$7.00	\$525.00
Tampa												
8" Sanitary Sewer Reconstruction by the CIPP												
18	SPEC	Process	1065	L.F.	\$90.00	\$95,850.00	\$33.40	\$35,571.00	\$41.00	\$43,665.00	\$69.00	\$73,485.00
19	SPEC	By-Pass Pumping	1	L.S.	\$15,500.00	\$15,500.00	\$50.00	\$50.00	\$1,400.00	\$1,400.00	\$1.00	\$1.00
20	SPEC	Heavy Root Cutting	195	L.F.	\$50.00	\$9,750.00	\$1.00	\$195.00	\$2.70	\$526.50	\$38.00	\$7,410.00
13th Street												
8" Sanitary Sewer Reconstruction by the CIPP												
21	SPEC	Process	405	L.F.	\$90.00	\$36,450.00	\$33.40	\$13,527.00	\$41.00	\$16,605.00	\$45.00	\$18,225.00
22	SPEC	By-Pass Pumping	1	L.S.	\$10,000.00	\$10,000.00	\$50.00	\$50.00	\$1,400.00	\$1,400.00	\$1.00	\$1.00
23	SPEC	Heavy Root Cutting	50	L.F.	\$50.00	\$2,500.00	\$1.00	\$50.00	\$2.70	\$135.00	\$7.00	\$350.00
Stetler												
24	562	Manhole Rechanneled 8" Sanitary Sewer Reconstruction by the CIPP	1	EACH	\$500.00	\$500.00	\$750.00	\$750.00	\$1,242.00	\$1,242.00	\$2,000.00	\$2,000.00
25	SPEC	Process	1175	L.F.	\$90.00	\$105,750.00	\$33.40	\$39,245.00	\$41.00	\$48,175.00	\$57.00	\$66,975.00
26	SPEC	By-Pass Pumping	1	L.S.	\$25,000.00	\$25,000.00	\$50.00	\$50.00	\$1,400.00	\$1,400.00	\$1.00	\$1.00
27	SPEC	Heavy Root Cutting	100	L.F.	\$50.00	\$5,000.00	\$1.00	\$100.00	\$2.70	\$270.00	\$7.00	\$700.00
Berwyck												
8" Sanitary Sewer Reconstruction by the CIPP												
28	SPEC	Process	405	L.F.	\$90.00	\$36,450.00	\$33.40	\$13,527.00	\$41.00	\$16,605.00	\$46.00	\$18,630.00
29	SPEC	By-Pass Pumping	1	L.S.	\$10,000.00	\$10,000.00	\$50.00	\$50.00	\$1,400.00	\$1,400.00	\$1.00	\$1.00
30	SPEC	Heavy Root Cutting	50	L.F.	\$50.00	\$2,500.00	\$1.00	\$50.00	\$2.70	\$135.00	\$7.00	\$350.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	ENGINEER'S ESTIMATE AMOUNT	4. United Survey Inc. PRICE	4. United Survey Inc. AMOUNT	5. Reynolds Inliner LLC PRICE	5. Reynolds Inliner LLC AMOUNT	6. Kokosing Construction PRICE	6. Kokosing Construction AMOUNT	
Diagonal													
		8" Sanitary Sewer Reconstruction by the CIPP											
31	SPEC	Process	400	L.F.	\$90.00	\$36,000.00	\$33.40	\$13,360.00	\$41.00	\$16,400.00	\$37.00	\$14,800.00	
32	SPEC	By-Pass Pumping	1	L.S.	\$10,000.00	\$10,000.00	\$50.00	\$50.00	\$1,400.00	\$1,400.00	\$1.00	\$1.00	
33	SPEC	Heavy Root Cutting	50	L.F.	\$50.00	\$2,500.00	\$1.00	\$50.00	\$2.70	\$135.00	\$7.00	\$350.00	
Artman													
		8" Sanitary Sewer Reconstruction by the CIPP											
34	SPEC	Process	785	L.F.	\$90.00	\$70,650.00	\$33.40	\$26,219.00	\$41.00	\$32,185.00	\$51.00	\$40,035.00	
35	SPEC	By-Pass Pumping	1	L.S.	\$17,500.00	\$17,500.00	\$50.00	\$50.00	\$1,400.00	\$1,400.00	\$1.00	\$1.00	
36	SPEC	Heavy Root Cutting	80	L.F.	\$50.00	\$4,000.00	\$1.00	\$80.00	\$2.70	\$216.00	\$7.00	\$560.00	
Noah/Storer													
		8" Sanitary Sewer Reconstruction by the CIPP											
37	SPEC	Process	320	L.F.	\$90.00	\$28,800.00	\$33.40	\$10,688.00	\$41.00	\$13,120.00	\$35.00	\$11,200.00	
38	SPEC	By-Pass Pumping	1	L.S.	\$10,000.00	\$10,000.00	\$50.00	\$50.00	\$1,400.00	\$1,400.00	\$1.00	\$1.00	
39	SPEC	Heavy Root Cutting	50	L.F.	\$50.00	\$2,500.00	\$1.00	\$50.00	\$2.70	\$135.00	\$7.00	\$350.00	
Balch													
		8" Sanitary Sewer Reconstruction by the CIPP											
40	SPEC	Process	485	L.F.	\$90.00	\$43,650.00	\$33.40	\$16,199.00	\$41.00	\$19,885.00	\$56.00	\$27,160.00	
41	SPEC	By-Pass Pumping	1	L.S.	\$10,000.00	\$10,000.00	\$50.00	\$50.00	\$1,400.00	\$1,400.00	\$1.00	\$1.00	
42	SPEC	Heavy Root Cutting	80	L.F.	\$50.00	\$4,000.00	\$1.00	\$80.00	\$2.70	\$216.00	\$7.00	\$560.00	
Westwood													
		8" Sanitary Sewer Reconstruction by the CIPP											
43	SPEC	Process	400	L.F.	\$90.00	\$36,000.00	\$33.40	\$13,360.00	\$41.00	\$16,400.00	\$60.00	\$24,000.00	
44	SPEC	By-Pass Pumping	1	L.S.	\$15,000.00	\$15,000.00	\$50.00	\$50.00	\$1,400.00	\$1,400.00	\$1.00	\$1.00	
45	SPEC	Heavy Root Cutting	40	L.F.	\$50.00	\$2,000.00	\$1.00	\$40.00	\$2.70	\$108.00	\$7.00	\$280.00	
TOTAL CONSTRUCTION COSTS						\$916,350.00		\$296,657.00		\$339,130.50		\$465,517.00	
+/- ENGINEER'S ESTIMATE									-67.6%		-63.0%		-49.2%

* Total Construction Cost incorrect on bidding schedule