

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		1. H.M. Miller Construction		*2. Lockhart Concrete Co.	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
1	103.05	Contract Performance Bond	1	L.S.	\$30,000.00	\$30,000.00	\$39,000.00	\$39,000.00	\$79,000.00	\$79,000.00
2	503	Cofferdams, Cribbs and Sheeting	1	L.S.	\$100,000.00	\$100,000.00	\$500.00	\$500.00	\$300,000.00	\$300,000.00
3	603	Limestone #1 & #2, as directed by Engineer	200	C.Y.	\$50.00	\$10,000.00	\$10.00	\$2,000.00	\$50.00	\$10,000.00
4	603	Limestone, as directed by Engineer	200	C.Y.	\$60.00	\$12,000.00	\$10.00	\$2,000.00	\$50.00	\$10,000.00
5	613	Uniformed Law Enforcement Officer	300	HOUR	\$37.00	\$11,100.00	\$37.00	\$11,100.00	\$37.00	\$11,100.00
6	614	Maintaining Traffic	1	L.S.	\$15,000.00	\$15,000.00	\$40,000.00	\$40,000.00	\$100,000.00	\$100,000.00
7	619	Field Office	1	L.S.	\$12,000.00	\$12,000.00	\$10,000.00	\$10,000.00	\$3,000.00	\$3,000.00
8	623	Construction Layout Stakes	1	L.S.	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$79,000.00	\$79,000.00
9	624	Mobilization	1	L.S.	\$20,000.00	\$20,000.00	\$70,000.00	\$70,000.00	\$94,000.00	\$94,000.00
10	SPEC	Dewatering	1	L.S.	\$120,000.00	\$120,000.00	\$1,000.00	\$1,000.00	\$150,000.00	\$150,000.00
Sht 5 - Home Care Place, Asset ID 418713										
11	202	Wearing Course Removed	76	S.Y.	\$5.00	\$380.00	\$35.00	\$2,660.00	\$10.00	\$760.00
12	407	Tack Coat	15	Gal	\$2.00	\$30.00	\$20.00	\$300.00	\$3.00	\$45.00
13	448	Asphalt Concrete Surface Course, Type 1, 2" inches th	4	C.Y.	\$180.00	\$720.00	\$780.00	\$3,120.00	\$300.00	\$1,200.00
14	557	8 inch Sanitary Sewer, VCP, Class 'B' Bedding	25	L.F.	\$100.00	\$2,500.00	\$1,165.00	\$29,125.00	\$270.00	\$6,750.00
15	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	1	C.Y.	\$50.00	\$50.00	\$1.00	\$1.00	\$50.00	\$50.00
16	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per pl	2	C.Y.	\$55.00	\$110.00	\$1.00	\$2.00	\$50.00	\$100.00
17	604	Bank Run Gravel	45	C.Y.	\$50.00	\$2,250.00	\$0.10	\$4.50	\$18.00	\$810.00
18	609	Engineered Geogrid for Trenches, Type TX160, as per	12	S.Y.	\$3.00	\$36.00	\$1.00	\$12.00	\$5.00	\$60.00
19	609	Engineered Geogrid for Trenches, Type TX190, as per	7	S.Y.	\$4.00	\$28.00	\$1.00	\$7.00	\$7.00	\$49.00
20	653	Topsoil, 4" Thick	38	S.Y.	\$3.50	\$133.00	\$3.00	\$114.00	\$5.00	\$190.00
21	659	Seeding and Mulching	38	S.Y.	\$3.00	\$114.00	\$6.00	\$228.00	\$3.00	\$114.00
22	SPEC	Bypass Pumping	1	L.S.	\$3,000.00	\$3,000.00	\$1.00	\$1.00	\$2,000.00	\$2,000.00
Sht 6 - Jason Ave, Asset ID 412794										
23	202	Wearing Course Removed	117	S.Y.	\$5.00	\$585.00	\$30.00	\$3,510.00	\$10.00	\$1,170.00
24	407	Tack Coat	23	Gal	\$2.00	\$46.00	\$20.00	\$460.00	\$3.00	\$69.00
25	448	Asphalt Concrete Surface Course, Type 1, 2" inches th	6	C.Y.	\$180.00	\$1,080.00	\$780.00	\$4,680.00	\$300.00	\$1,800.00
26	557	8 inch Sanitary Sewer, VCP, Class 'B' Bedding	35	L.F.	\$100.00	\$3,500.00	\$365.00	\$12,775.00	\$195.00	\$6,825.00
27	559	6 inch Pipe Reconnections	20	L.F.	\$100.00	\$2,000.00	\$1.00	\$20.00	\$75.00	\$1,500.00
28	559	6 inch Long Radius 90° Pipe Bends	2	EACH	\$50.00	\$100.00	\$1.00	\$2.00	\$50.00	\$100.00
29	559	6 inch 45° Pipe Bends	2	EACH	\$50.00	\$100.00	\$1.00	\$2.00	\$50.00	\$100.00
30	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	1	C.Y.	\$50.00	\$50.00	\$1.00	\$1.00	\$50.00	\$50.00
31	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per pl	3	C.Y.	\$55.00	\$165.00	\$1.00	\$3.00	\$50.00	\$150.00
32	604	Bank Run Gravel	28	C.Y.	\$50.00	\$1,400.00	\$0.10	\$2.80	\$18.00	\$504.00
33	SPEC	Engineered Geogrid for Trenches, Type TX160, as per	16	S.Y.	\$3.00	\$48.00	\$1.00	\$16.00	\$5.00	\$80.00
34	SPEC	Engineered Geogrid for Trenches, Type TX190, as per	10	S.Y.	\$4.00	\$40.00	\$1.00	\$10.00	\$7.00	\$70.00
35	SPEC	Bypass Pumping	1	L.S.	\$3,000.00	\$3,000.00	\$1.00	\$1.00	\$0.00	\$0.00
Sht 7 - South Hawkins Ave, Asset ID 421219										
36	202	Wearing Course Removed	208	S.Y.	\$5.00	\$1,040.00	\$20.00	\$4,160.00	\$10.00	\$2,080.00
37	407	Tack Coat	42	Gal	\$2.00	\$84.00	\$10.00	\$420.00	\$3.00	\$126.00
38	448	Asphalt Concrete Surface Course, Type 1, 2" inches th	12	C.Y.	\$180.00	\$2,160.00	\$550.00	\$6,600.00	\$300.00	\$3,600.00
39	557	10 inch Sanitary Sewer, VCP, Class 'B' Bedding	100	L.F.	\$100.00	\$10,000.00	\$336.00	\$33,600.00	\$220.00	\$22,000.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		1. H.M. Miller Construction		*2. Lockhart Concrete Co.	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
40	559	6 inch Pipe Reconnections	10	L.F.	\$100.00	\$1,000.00	\$1.00	\$10.00	\$75.00	\$750.00
41	559	6 inch Long Radius 90° Pipe Bends	1	EACH	\$50.00	\$50.00	\$1.00	\$1.00	\$50.00	\$50.00
42	559	6 inch 45° Pipe Bends	1	EACH	\$50.00	\$50.00	\$1.00	\$1.00	\$50.00	\$50.00
43	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	3	C.Y.	\$50.00	\$150.00	\$1.00	\$3.00	\$50.00	\$150.00
44	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per pl	9	C.Y.	\$55.00	\$495.00	\$1.00	\$9.00	\$50.00	\$450.00
45	604	Bank Run Gravel	105	C.Y.	\$50.00	\$5,250.00	\$0.10	\$10.50	\$18.00	\$1,890.00
46	SPEC	Engineered Geogrid for Trenches, Type TX160, as per	48	S.Y.	\$3.00	\$144.00	\$1.00	\$48.00	\$5.00	\$240.00
47	SPEC	Engineered Geogrid for Trenches, Type TX190, as per	31	S.Y.	\$4.00	\$124.00	\$1.00	\$31.00	\$7.00	\$217.00
48	SPEC	Bypass Pumping	1	L.S.	\$4,000.00	\$4,000.00	\$1.00	\$1.00	\$0.00	\$0.00
Sht 8 - 10th St, Asset ID 411166										
49	202	Wearing Course Removed	451	S.Y.	\$5.00	\$2,255.00	\$15.00	\$6,765.00	\$10.00	\$4,510.00
50	407	Tack Coat	90	Gal	\$2.00	\$180.00	\$5.00	\$450.00	\$3.00	\$270.00
51	448	Asphalt Concrete Surface Course, Type 1, 2" inches th	25	C.Y.	\$180.00	\$4,500.00	\$450.00	\$11,250.00	\$300.00	\$7,500.00
52	557	8 inch Sanitary Sewer	142	L.F.	\$100.00	\$14,200.00	\$350.00	\$49,700.00	\$195.00	\$27,690.00
53	559	6 inch Pipe Reconnections	40	L.F.	\$100.00	\$4,000.00	\$1.00	\$40.00	\$75.00	\$3,000.00
54	559	6 inch Long Radius 90° Pipe Bends	4	EACH	\$50.00	\$200.00	\$1.00	\$4.00	\$50.00	\$200.00
55	559	6 inch 45° Pipe Bends	4	EACH	\$50.00	\$200.00	\$1.00	\$4.00	\$50.00	\$200.00
56	562	Manhole MH-2A on 8-Inch Sanitary Sewer	1	EACH	\$5,500.00	\$5,500.00	\$3,500.00	\$3,500.00	\$2,500.00	\$2,500.00
57	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	4	C.Y.	\$50.00	\$200.00	\$1.00	\$4.00	\$50.00	\$200.00
58	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per pl	12	C.Y.	\$55.00	\$660.00	\$1.00	\$12.00	\$50.00	\$600.00
59	604	Bank Run Gravel	112	C.Y.	\$50.00	\$5,600.00	\$0.10	\$11.20	\$18.00	\$2,016.00
60	SPEC	Engineered Geogrid for Trenches, Type TX160, as per	66	S.Y.	\$3.00	\$198.00	\$1.00	\$66.00	\$5.00	\$330.00
61	SPEC	Engineered Geogrid for Trenches, Type TX190, as per	42	S.Y.	\$4.00	\$168.00	\$1.00	\$42.00	\$7.00	\$294.00
62	SPEC	Bypass Pumping	1	L.S.	\$4,000.00	\$4,000.00	\$1.00	\$1.00	\$0.00	\$0.00
Sht 9 - 11th St, Asset IDs 755006 and 412271 (Partial)										
63	202	Wearing Course Removed	83	S.Y.	\$5.00	\$415.00	\$35.00	\$2,905.00	\$10.00	\$830.00
64	202	Manhole Abandoned	2	EACH	\$1,000.00	\$2,000.00	\$1,500.00	\$3,000.00	\$100.00	\$200.00
65	202	Pipe Abandoned, 8 Inch	348	L.F.	\$5.00	\$1,740.00	\$6.00	\$2,088.00	\$5.00	\$1,740.00
66	254	8-Inch Ductile Iron Pipe with Protecto 401 Lining	14	L.F.	\$125.00	\$1,750.00	\$500.00	\$7,000.00	\$225.00	\$3,150.00
67	407	Tack Coat	17	Gal	\$2.00	\$34.00	\$20.00	\$340.00	\$3.00	\$51.00
68	448	Asphalt Concrete Surface Course, Type 1, 2" inches th	5	C.Y.	\$180.00	\$900.00	\$780.00	\$3,900.00	\$300.00	\$1,500.00
69	456	Concrete Apron, 6 Inches Thick	94	S.F.	\$8.00	\$752.00	\$6.00	\$564.00	\$7.00	\$658.00
70	456	Concrete Walk, 4 Inches Thick	56	S.F.	\$8.00	\$448.00	\$6.00	\$336.00	\$6.00	\$336.00
71	562	Manhole MH-2A on 8-Inch Sanitary Sewer	1	EACH	\$5,500.00	\$5,500.00	\$3,800.00	\$3,800.00	\$2,500.00	\$2,500.00
72	562	Manhole MH-2A on 10-Inch Sanitary Sewer	1	EACH	\$5,500.00	\$5,500.00	\$3,800.00	\$3,800.00	\$2,500.00	\$2,500.00
73	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	0	C.Y.	\$50.00	\$17.50	\$1.00	\$0.35	\$50.00	\$17.50
74	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per pl	1	C.Y.	\$55.00	\$55.00	\$1.00	\$1.00	\$50.00	\$50.00
75	604	Bank Run Gravel	14	C.Y.	\$50.00	\$700.00	\$0.10	\$1.40	\$18.00	\$252.00
76	609	Engineered Geogrid for Trenches, Type TX160, as per	7	S.Y.	\$3.00	\$21.00	\$1.00	\$7.00	\$5.00	\$35.00
77	609	Engineered Geogrid for Trenches, Type TX190, as per	4	S.Y.	\$4.00	\$16.00	\$1.00	\$4.00	\$7.00	\$28.00
78	SPEC	10-Inch (O.D.) HDPE DR11 Piping	360	L.F.	\$175.00	\$63,000.00	\$68.00	\$24,480.00	\$75.00	\$27,000.00
79	SPEC	Bypass Pumping	1	L.S.	2 \$4,000.00	\$4,000.00	\$1.00	\$1.00	\$0.00	\$0.00

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 Co. PRICE	*2. Lockhart Concrete Co. AMOUNT
Sht 10 - 11th St, Asset ID 412271										
80	202	Wearing Course Removed	45	S.Y.	\$5.00	\$225.00	\$50.00	\$2,250.00	\$10.00	\$450.00
81	202	Pipe Abandoned, 8 Inch	152	L.F.	\$5.00	\$760.00	\$6.00	\$912.00	\$5.00	\$760.00
82	254	8-Inch Ductile Iron Pipe with Protecto 401 Lining	20	L.F.	\$125.00	\$2,500.00	\$690.00	\$13,800.00	\$270.00	\$5,400.00
83	407	Tack Coat	9	Gal	\$2.00	\$18.00	\$25.00	\$225.00	\$3.00	\$27.00
84	448	Asphalt Concrete Surface Course, Type 1, 2" inches th	3	C.Y.	\$180.00	\$540.00	\$850.00	\$2,550.00	\$300.00	\$900.00
85	562	Manhole MH-2A on 10-Inch Sanitary Sewer	1	EACH	\$5,500.00	\$5,500.00	\$3,800.00	\$3,800.00	\$2,700.00	\$2,700.00
86	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	1	C.Y.	\$50.00	\$25.00	\$1.00	\$0.50	\$50.00	\$25.00
87	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per pl	2	C.Y.	\$55.00	\$110.00	\$1.00	\$2.00	\$50.00	\$100.00
88	604	Bank Run Gravel	20	C.Y.	\$50.00	\$1,000.00	\$0.10	\$2.00	\$18.00	\$360.00
89	609	Engineered Geogrid for Trenches, Type TX160, as per	9	S.Y.	\$3.00	\$27.00	\$1.00	\$9.00	\$5.00	\$45.00
90	609	Engineered Geogrid for Trenches, Type TX190, as per	6	S.Y.	\$4.00	\$24.00	\$1.00	\$6.00	\$7.00	\$42.00
91	653	Topsoil, 4" Thick	40	S.Y.	\$3.50	\$140.00	\$3.00	\$120.00	\$5.00	\$200.00
92	659	Seeding and Mulching	40	S.Y.	\$3.00	\$120.00	\$3.00	\$120.00	\$3.00	\$120.00
93	SPEC	10-Inch (O.D.) HDPE DR11 Piping	135	L.F.	\$175.00	\$23,625.00	\$68.00	\$9,180.00	\$75.00	\$10,125.00
94	SPEC	Bypass Pumping	1	L.S.	\$4,000.00	\$4,000.00	\$1.00	\$1.00	\$0.00	\$0.00
Sht 11 - Polk Ave - Asset IDs 419328 and 419330 (Partial)										
95	202	Wearing Course Removed	1125	S.Y.	\$5.00	\$5,625.00	\$10.00	\$11,250.00	\$10.00	\$11,250.00
96	407	Tack Coat	225	Gal	\$2.00	\$450.00	\$3.00	\$675.00	\$3.00	\$675.00
97	448	Asphalt Concrete Surface Course, Type 1, 2" inches th	63	C.Y.	\$180.00	\$11,340.00	\$320.00	\$20,160.00	\$300.00	\$18,900.00
98	557	8 inch Sanitary Sewer	340	L.F.	\$100.00	\$34,000.00	\$275.00	\$93,500.00	\$280.00	\$95,200.00
99	557	8 Inch Sanitary Sewer, VCP, Class 'B' Bedding	50	L.F.	\$100.00	\$5,000.00	\$275.00	\$13,750.00	\$170.00	\$8,500.00
100	559	6 inch Pipe Reconnections	130	L.F.	\$100.00	\$13,000.00	\$1.00	\$130.00	\$75.00	\$9,750.00
101	559	6 inch Long Radius 90° Pipe Bends	13	EACH	\$50.00	\$650.00	\$1.00	\$13.00	\$50.00	\$650.00
102	559	6 inch 45° Pipe Bends	13	EACH	\$50.00	\$650.00	\$1.00	\$13.00	\$50.00	\$650.00
103	562	Manhole MH-2A on 8-Inch Sanitary Sewer	1	EACH	\$5,500.00	\$5,500.00	\$3,800.00	\$3,800.00	\$2,500.00	\$2,500.00
104	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	10	C.Y.	\$50.00	\$500.00	\$1.00	\$10.00	\$50.00	\$500.00
105	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per pl	34	C.Y.	\$55.00	\$1,870.00	\$1.00	\$34.00	\$50.00	\$1,700.00
106	604	Bank Run Gravel	309	C.Y.	\$50.00	\$15,450.00	\$0.10	\$30.90	\$18.00	\$5,562.00
107	SPEC	Engineered Geogrid for Trenches, Type TX160, as per	181	S.Y.	\$3.00	\$543.00	\$1.00	\$181.00	\$5.00	\$905.00
108	SPEC	Engineered Geogrid for Trenches, Type TX190, as per	116	S.Y.	\$4.00	\$464.00	\$1.00	\$116.00	\$7.00	\$812.00
109	SPEC	Bypass Pumping	1	L.S.	\$4,000.00	\$4,000.00	\$100.00	\$100.00	\$6,000.00	\$6,000.00
Sht 12 - Polk Ave, Asset ID 419330 (Partial)										
110	202	Wearing Course Removed	167	S.Y.	\$5.00	\$835.00	\$25.00	\$4,175.00	\$10.00	\$1,670.00
111	407	Tack Coat	33	Gal	\$2.00	\$66.00	\$10.00	\$330.00	\$3.00	\$99.00
112	448	Asphalt Concrete Surface Course, Type 1, 2" inches th	9	C.Y.	\$180.00	\$1,620.00	\$780.00	\$7,020.00	\$300.00	\$2,700.00
113	557	8 Inch Sanitary Sewer, VCP, Class 'B' Bedding	35	L.F.	\$100.00	\$3,500.00	\$300.00	\$10,500.00	\$220.00	\$7,700.00
114	559	6 inch Pipe Reconnections	10	L.F.	\$100.00	\$1,000.00	\$1.00	\$10.00	\$75.00	\$750.00
115	559	6 inch Long Radius 90° Pipe Bends	1	EACH	\$50.00	\$50.00	\$1.00	\$1.00	\$50.00	\$50.00
116	559	6 inch 45° Pipe Bends	1	EACH	\$50.00	\$50.00	\$1.00	\$1.00	\$50.00	\$50.00
117	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	1	C.Y.	\$50.00	\$50.00	\$1.00	\$1.00	\$50.00	\$50.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		1. H.M. Miller Construction		*2. Lockhart Concrete Co.	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
118	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per pl	3	C.Y.	\$55.00	\$165.00	\$1.00	\$3.00	\$50.00	\$150.00
119	604	Bank Run Gravel	31	C.Y.	\$50.00	\$1,550.00	\$0.10	\$3.10	\$18.00	\$558.00
120	SPEC	Engineered Geogrid for Trenches, Type TX160, as per	16	S.Y.	\$3.00	\$48.00	\$1.00	\$16.00	\$5.00	\$80.00
121	SPEC	Engineered Geogrid for Trenches, Type TX190, as per	10	S.Y.	\$4.00	\$40.00	\$1.00	\$10.00	\$7.00	\$70.00
122	SPEC	Bypass Pumping	1	L.S.	\$3,000.00	\$3,000.00	\$100.00	\$100.00	\$6,000.00	\$6,000.00
Sht 13 - 11th St, Asset ID 419166										
123	202	Wearing Course Removed	1031	S.Y.	\$5.00	\$5,155.00	\$10.00	\$10,310.00	\$10.00	\$10,310.00
124	407	Tack Coat	206	Gal	\$2.00	\$412.00	\$3.00	\$618.00	\$3.00	\$618.00
125	448	Asphalt Concrete Surface Course, Type 1, 2" inches th	57	C.Y.	\$180.00	\$10,260.00	\$320.00	\$18,240.00	\$300.00	\$17,100.00
126	557	8 inch Sanitary Sewer	323	L.F.	\$100.00	\$32,300.00	\$250.00	\$80,750.00	\$195.00	\$62,985.00
127	559	6 inch Pipe Reconnections	90	L.F.	\$100.00	\$9,000.00	\$1.00	\$90.00	\$75.00	\$6,750.00
128	559	6 inch Long Radius 90° Pipe Bends	9	EACH	\$50.00	\$450.00	\$1.00	\$9.00	\$50.00	\$450.00
129	559	6 inch 45° Pipe Bends	9	EACH	\$50.00	\$450.00	\$1.00	\$9.00	\$50.00	\$450.00
130	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	8	C.Y.	\$50.00	\$400.00	\$1.00	\$8.00	\$50.00	\$400.00
131	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per pl	28	C.Y.	\$55.00	\$1,540.00	\$1.00	\$28.00	\$50.00	\$1,400.00
132	604	Bank Run Gravel	256	C.Y.	\$50.00	\$12,800.00	\$0.10	\$25.60	\$18.00	\$4,608.00
133	SPEC	Engineered Geogrid for Trenches, Type TX160, as per	150	S.Y.	\$3.00	\$450.00	\$1.00	\$150.00	\$5.00	\$750.00
134	SPEC	Engineered Geogrid for Trenches, Type TX190, as per	96	S.Y.	\$4.00	\$384.00	\$1.00	\$96.00	\$7.00	\$672.00
135	SPEC	Bypass Pumping	1	L.S.	\$4,000.00	\$4,000.00	\$1.00	\$1.00	\$6,000.00	\$6,000.00
Sht 14 - S Kenmore Alley, Asset ID 419017										
136	202	Wearing Course Removed	371	S.Y.	\$5.00	\$1,855.00	\$20.00	\$7,420.00	\$10.00	\$3,710.00
137	407	Tack Coat	74	Gal	\$2.00	\$148.00	\$5.00	\$370.00	\$3.00	\$222.00
138	448	Asphalt Concrete Surface Course, Type 1, 2" inches th	21	C.Y.	\$180.00	\$3,780.00	\$450.00	\$9,450.00	\$300.00	\$6,300.00
139	456	Concrete Apron, 6 Inches Thick	29	S.F.	\$8.00	\$232.00	\$6.00	\$174.00	\$7.00	\$203.00
140	557	8 inch Sanitary Sewer	284	L.F.	\$100.00	\$28,400.00	\$744.00	\$211,296.00	\$245.00	\$69,580.00
141	559	6 inch Pipe Reconnections	50	L.F.	\$100.00	\$5,000.00	\$1.00	\$50.00	\$75.00	\$3,750.00
142	559	6 inch Long Radius 90° Pipe Bends	5	EACH	\$50.00	\$250.00	\$1.00	\$5.00	\$50.00	\$250.00
143	559	6 inch 45° Pipe Bends	5	EACH	\$50.00	\$250.00	\$1.00	\$5.00	\$50.00	\$250.00
144	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	7	C.Y.	\$50.00	\$350.00	\$1.00	\$7.00	\$50.00	\$350.00
145	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per pl	25	C.Y.	\$55.00	\$1,375.00	\$1.00	\$25.00	\$50.00	\$1,250.00
146	604	Bank Run Gravel	281	C.Y.	\$50.00	\$14,050.00	\$0.10	\$28.10	\$18.00	\$5,058.00
147	SPEC	Engineered Geogrid for Trenches, Type TX160, as per	132	S.Y.	\$3.00	\$396.00	\$1.00	\$132.00	\$5.00	\$660.00
148	SPEC	Engineered Geogrid for Trenches, Type TX190, as per	84	S.Y.	\$4.00	\$336.00	\$1.00	\$84.00	\$7.00	\$588.00
149	SPEC	Bypass Pumping	1	L.S.	\$4,000.00	\$4,000.00	\$1.00	\$1.00	\$6,000.00	\$6,000.00
Sht 15 - S Kenmore Alley, Asset IDs 404031, 420669, 420671, and 415908 (Partial)										
150	202	Wearing Course Removed	1088	S.Y.	\$5.00	\$5,440.00	\$10.00	\$10,880.00	\$10.00	\$10,880.00
151	202	Manhole Removed	6	EACH	\$750.00	\$4,500.00	\$1,500.00	\$9,000.00	\$100.00	\$600.00
152	202	Pipe Removed, 30-inch	350	L.F.	\$75.00	\$26,250.00	\$15.00	\$5,250.00	\$5.00	\$1,750.00
153	407	Tack Coat	218	Gal	\$2.00	\$436.00	\$3.00	\$654.00	\$3.00	\$654.00
154	448	Asphalt Concrete Surface Course, Type 1, 2" inches th	60	C.Y.	\$180.00	\$10,800.00	\$320.00	\$19,200.00	\$300.00	\$18,000.00
155	552	15-Inch Storm Sewer	38	L.F.	\$150.00	\$5,700.00	\$140.00	\$5,320.00	\$75.00	\$2,850.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		1. H.M. Miller Construction		*2. Lockhart Concrete Co.	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
156	552	30-Inch Storm Sewer	365	L.F.	\$325.00	\$118,625.00	\$155.00	\$56,575.00	\$120.00	\$43,800.00
157	557	8 Inch Sanitary Sewer	84	L.F.	\$100.00	\$8,400.00	\$430.00	\$36,120.00	\$225.00	\$18,900.00
158	557	10 inch Sanitary Sewer	311	L.F.	\$100.00	\$31,100.00	\$375.00	\$116,625.00	\$190.00	\$59,090.00
159	557	10 Inch Sanitary Sewer, VCP, Class 'B' Bedding	25	L.F.	\$100.00	\$2,500.00	\$375.00	\$9,375.00	\$190.00	\$4,750.00
160	559	6 inch Pipe Reconnections	90	L.F.	\$100.00	\$9,000.00	\$1.00	\$90.00	\$75.00	\$6,750.00
161	559	6 inch Long Radius 90° Pipe Bends	9	EACH	\$50.00	\$450.00	\$1.00	\$9.00	\$50.00	\$450.00
162	559	6 inch 45° Pipe Bends	9	EACH	\$50.00	\$450.00	\$1.00	\$9.00	\$50.00	\$450.00
163	562	Manhole MH-2A on 10-Inch Sanitary Sewer	3	EACH	\$5,500.00	\$16,500.00	\$3,800.00	\$11,400.00	\$2,700.00	\$8,100.00
164	562	Manhole MH 2B on 30-Inch Storm Sewer	5	EACH	\$7,500.00	\$37,500.00	\$5,000.00	\$25,000.00	\$3,000.00	\$15,000.00
165	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	27	C.Y.	\$50.00	\$1,350.00	\$1.00	\$27.00	\$50.00	\$1,350.00
166	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per pl	95	C.Y.	\$55.00	\$5,225.00	\$1.00	\$95.00	\$50.00	\$4,750.00
167	604	Bank Run Gravel	980	C.Y.	\$50.00	\$49,000.00	\$0.10	\$98.00	\$18.00	\$17,640.00
168	SPEC	Engineered Geogrid for Trenches, Type TX160, as per	464	S.Y.	\$3.00	\$1,392.00	\$1.00	\$464.00	\$5.00	\$2,320.00
169	SPEC	Engineered Geogrid for Trenches, Type TX190, as per	327	S.Y.	\$4.00	\$1,308.00	\$1.00	\$327.00	\$7.00	\$2,289.00
170	SPEC	Bypass Pumping	1	L.S.	\$6,000.00	\$6,000.00	\$1.00	\$1.00	\$10,000.00	\$10,000.00
Sht 16 - S Kenmore Alley, Asset ID 415908 (Partial)										
171	202	Wearing Course Removed	833	S.Y.	\$5.00	\$4,165.00	\$10.00	\$8,330.00	\$10.00	\$8,330.00
172	407	Tack Coat	167	Gal	\$2.00	\$334.00	\$3.00	\$501.00	\$3.00	\$501.00
173	448	Asphalt Concrete Surface Course, Type 1, 2" inches th	46	C.Y.	\$180.00	\$8,280.00	\$390.00	\$17,940.00	\$300.00	\$13,800.00
174	552	12 Inch Storm Sewer	50	L.F.	\$125.00	\$6,250.00	\$130.00	\$6,500.00	\$95.00	\$4,750.00
175	552	30 Inch Storm Sewer	274	L.F.	\$150.00	\$41,100.00	\$155.00	\$42,470.00	\$95.00	\$26,030.00
176	557	8 inch Sanitary Sewer	237	L.F.	\$325.00	\$77,025.00	\$375.00	\$88,875.00	\$245.00	\$58,065.00
177	559	6 inch Pipe Reconnections	100	L.F.	\$100.00	\$10,000.00	\$1.00	\$100.00	\$75.00	\$7,500.00
178	559	6 inch Long Radius 90° Pipe Bends	10	EACH	\$50.00	\$500.00	\$1.00	\$10.00	\$50.00	\$500.00
179	559	6 inch 45° Pipe Bends	10	EACH	\$50.00	\$500.00	\$1.00	\$10.00	\$50.00	\$500.00
180	562	Manhole Reconstructed on 30 Inch Storm Sewer	2	EACH	\$7,500.00	\$15,000.00	\$5,000.00	\$10,000.00	\$3,000.00	\$6,000.00
181	563	Inlet, No. 5	1	EACH	\$5,000.00	\$5,000.00	\$3,500.00	\$3,500.00	\$3,000.00	\$3,000.00
182	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	19	C.Y.	\$50.00	\$950.00	\$1.00	\$19.00	\$50.00	\$950.00
183	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per pl	65	C.Y.	\$55.00	\$3,575.00	\$1.00	\$65.00	\$50.00	\$3,250.00
184	604	Bank Run Gravel	597	C.Y.	\$50.00	\$29,850.00	\$0.10	\$59.70	\$18.00	\$10,746.00
185	SPEC	Engineered Geogrid for Trenches, Type TX160, as per	317	S.Y.	\$3.00	\$951.00	\$1.00	\$317.00	\$5.00	\$1,585.00
186	SPEC	Engineered Geogrid for Trenches, Type TX190, as per	224	S.Y.	\$4.00	\$896.00	\$1.00	\$224.00	\$7.00	\$1,568.00
187	SPEC	Bypass Pumping	1	L.S.	\$6,000.00	\$6,000.00	\$1.00	\$1.00	\$6,000.00	\$6,000.00
Sht 17 - 10th St, Asset ID 412483										
188	202	Wearing Course Removed	1021	S.Y.	\$5.00	\$5,105.00	\$10.00	\$10,210.00	\$10.00	\$10,210.00
189	407	Tack Coat	204	Gal	\$2.00	\$408.00	\$3.00	\$612.00	\$3.00	\$612.00
190	448	Asphalt Concrete Surface Course, Type 1, 2" inches th	57	C.Y.	\$180.00	\$10,260.00	\$320.00	\$18,240.00	\$300.00	\$17,100.00
191	557	8 inch Sanitary Sewer	355	L.F.	\$100.00	\$35,500.00	\$275.00	\$97,625.00	\$220.00	\$78,100.00
192	559	6 inch Pipe Reconnections	120	L.F.	\$100.00	\$12,000.00	\$1.00	\$120.00	\$75.00	\$9,000.00
193	559	6 inch Long Radius 90° Pipe Bends	12	EACH	\$50.00	\$600.00	\$1.00	\$12.00	\$50.00	\$600.00
194	559	6 inch 45° Pipe Bends	12	EACH	\$50.00	\$600.00	\$1.00	\$12.00	\$50.00	\$600.00

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 Co. PRICE	*2. Lockhart Concrete Co. AMOUNT
195	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	9	C.Y.	\$50.00	\$450.00	\$1.00	\$9.00	\$50.00	\$450.00
196	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per pl	31	C.Y.	\$55.00	\$1,705.00	\$1.00	\$31.00	\$50.00	\$1,550.00
197	604	Bank Run Gravel	281	C.Y.	\$50.00	\$14,050.00	\$0.10	\$28.10	\$18.00	\$5,058.00
198	SPEC	Engineered Geogrid for Trenches, Type TX160, as per	164	S.Y.	\$3.00	\$492.00	\$1.00	\$164.00	\$5.00	\$820.00
199	SPEC	Engineered Geogrid for Trenches, Type TX190, as per	105	S.Y.	\$4.00	\$420.00	\$1.00	\$105.00	\$7.00	\$735.00
200	SPEC	Bypass Pumping	1	L.S.	\$4,000.00	\$4,000.00	\$1.00	\$1.00	\$6,000.00	\$6,000.00
Sht 18 - Iona Ave, Asset ID 419600										
201	557	18 inch Sanitary Sewer, VCP, Class 'A' Bedding	25	L.F.	\$160.00	\$4,000.00	\$766.00	\$19,150.00	\$295.00	\$7,375.00
202	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	1	C.Y.	\$50.00	\$50.00	\$1.00	\$1.00	\$50.00	\$50.00
203	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per pl	3	C.Y.	\$55.00	\$165.00	\$1.00	\$3.00	\$50.00	\$150.00
204	604	Bank Run Gravel	36	C.Y.	\$50.00	\$1,800.00	\$0.10	\$3.60	\$18.00	\$648.00
205	653	Topsoil, 4" Thick	10	S.Y.	\$3.50	\$35.00	\$0.10	\$1.00	\$5.00	\$50.00
206	659	Seeding and Mulching	10	S.Y.	\$3.00	\$30.00	\$0.10	\$1.00	\$3.00	\$30.00
207	SPEC	Engineered Geogrid for Trenches, Type TX160, as per	14	S.Y.	\$3.00	\$42.00	\$1.00	\$14.00	\$5.00	\$70.00
208	SPEC	Engineered Geogrid for Trenches, Type TX190, as per	10	S.Y.	\$4.00	\$40.00	\$1.00	\$10.00	\$7.00	\$70.00
209	SPEC	Bypass Pumping	1	L.S.	\$3,000.00	\$3,000.00	\$1.00	\$1.00	\$6,000.00	\$6,000.00
Sht 19 - Anna Ave, Asset ID 421122										
210	557	8 inch Sanitary Sewer, VCP, Class 'B' Bedding	50	L.F.	\$100.00	\$5,000.00	\$428.00	\$21,400.00	\$220.00	\$11,000.00
211	559	6 inch Pipe Reconnections	50	L.F.	\$100.00	\$5,000.00	\$1.00	\$50.00	\$75.00	\$3,750.00
212	559	6 inch Long Radius 90° Pipe Bends	5	EACH	\$50.00	\$250.00	\$1.00	\$5.00	\$50.00	\$250.00
213	559	6 inch 45° Pipe Bends	5	EACH	\$50.00	\$250.00	\$1.00	\$5.00	\$50.00	\$250.00
214	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	1	C.Y.	\$50.00	\$50.00	\$1.00	\$1.00	\$50.00	\$50.00
215	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per pl	4	C.Y.	\$55.00	\$220.00	\$1.00	\$4.00	\$50.00	\$200.00
216	604	Bank Run Gravel	45	C.Y.	\$50.00	\$2,250.00	\$0.10	\$4.50	\$18.00	\$810.00
217	653	Topsoil, 4" Thick	15	S.Y.	\$3.50	\$52.50	\$1.00	\$15.00	\$5.00	\$75.00
218	659	Seeding and Mulching	15	S.Y.	\$3.00	\$45.00	\$1.00	\$15.00	\$3.00	\$45.00
219	SPEC	Engineered Geogrid for Trenches, Type TX160, as per	23	S.Y.	\$3.00	\$69.00	\$1.00	\$23.00	\$5.00	\$115.00
220	SPEC	Engineered Geogrid for Trenches, Type TX190, as per	15	S.Y.	\$4.00	\$60.00	\$1.00	\$15.00	\$7.00	\$105.00
221	SPEC	Bypass Pumping	1	L.S.	\$4,500.00	\$4,500.00	\$1.00	\$1.00	\$5,000.00	\$5,000.00
Sht 20 - Anna Ave, Asset IDs 403442 and 420939										
222	202	Wearing Course Removed	330	S.Y.	\$5.00	\$1,650.00	\$20.00	\$6,600.00	\$10.00	\$3,300.00
223	407	Tack Coat	66	Gal	\$2.00	\$132.00	\$5.00	\$330.00	\$3.00	\$198.00
224	448	Asphalt Concrete Surface Course, Type 1, 2" inches th	18	C.Y.	\$180.00	\$3,240.00	\$450.00	\$8,100.00	\$300.00	\$5,400.00
225	557	8 inch Sanitary Sewer, VCP, Class 'B' Bedding	104	L.F.	\$100.00	\$10,400.00	\$420.00	\$43,680.00	\$195.00	\$20,280.00
226	559	6 inch Pipe Reconnections	30	L.F.	\$100.00	\$3,000.00	\$1.00	\$30.00	\$75.00	\$2,250.00
227	559	6 inch Long Radius 90° Pipe Bends	3	EACH	\$50.00	\$150.00	\$1.00	\$3.00	\$50.00	\$150.00
228	559	6 inch 45° Pipe Bends	3	EACH	\$50.00	\$150.00	\$1.00	\$3.00	\$50.00	\$150.00
229	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	3	C.Y.	\$50.00	\$150.00	\$1.00	\$3.00	\$50.00	\$150.00
230	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per pl	9	C.Y.	\$55.00	\$495.00	\$1.00	\$9.00	\$50.00	\$450.00
231	604	Bank Run Gravel	82	C.Y.	\$50.00	\$4,100.00	\$0.10	\$8.20	\$18.00	\$1,476.00
232	SPEC	Engineered Geogrid for Trenches, Type TX160, as per	48	S.Y.	\$3.00	\$144.00	\$1.00	\$48.00	\$5.00	\$240.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		1. H.M. Miller Construction		*2. Lockhart Concrete Co.	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
233	SPEC	Engineered Geogrid for Trenches, Type TX190, as per	31	S.Y.	\$4.00	\$124.00	\$1.00	\$31.00	\$7.00	\$217.00
234	SPEC	Bypass Pumping	1	L.S.	\$4,000.00	\$4,000.00	\$1.00	\$1.00	\$5,000.00	\$5,000.00
Sht 21 - Harpster Ave, Asset ID 412729										
235	202	Wearing Course Removed	95	S.Y.	\$5.00	\$475.00	\$35.00	\$3,325.00	\$10.00	\$950.00
236	407	Tack Coat	19	Gal	\$2.00	\$38.00	\$20.00	\$380.00	\$3.00	\$57.00
237	448	Asphalt Concrete Surface Course, Type 1, 2" inches th	5	C.Y.	\$180.00	\$900.00	\$780.00	\$3,900.00	\$300.00	\$1,500.00
238	557	8 inch Sanitary Sewer, VCP, Class 'B' Bedding	30	L.F.	\$100.00	\$3,000.00	\$472.00	\$14,160.00	\$215.00	\$6,450.00
239	559	6 inch Pipe Reconnections	10	L.F.	\$100.00	\$1,000.00	\$1.00	\$10.00	\$75.00	\$750.00
240	559	6 inch Long Radius 90° Pipe Bends	1	EACH	\$50.00	\$50.00	\$1.00	\$1.00	\$50.00	\$50.00
241	559	6 inch 45° Pipe Bends	1	EACH	\$50.00	\$50.00	\$1.00	\$1.00	\$50.00	\$50.00
242	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	1	C.Y.	\$50.00	\$50.00	\$1.00	\$1.00	\$50.00	\$50.00
243	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per pl	3	C.Y.	\$55.00	\$165.00	\$1.00	\$3.00	\$50.00	\$150.00
244	604	Bank Run Gravel	24	C.Y.	\$50.00	\$1,200.00	\$0.10	\$2.40	\$18.00	\$432.00
245	SPEC	Engineered Geogrid for Trenches, Type TX160, as per	14	S.Y.	\$3.00	\$42.00	\$1.00	\$14.00	\$5.00	\$70.00
246	SPEC	Engineered Geogrid for Trenches, Type TX190, as per	9	S.Y.	\$4.00	\$36.00	\$1.00	\$9.00	\$7.00	\$63.00
247	SPEC	Bypass Pumping	1	L.S.	\$3,000.00	\$3,000.00	\$1.00	\$1.00	\$5,000.00	\$5,000.00
Sht 22 - East Ave, Asset IDs 412723 and 412725										
248	202	Wearing Course Removed	1729	S.Y.	\$5.00	\$8,645.00	\$6.00	\$10,374.00	\$10.00	\$17,290.00
249	407	Tack Coat	346	Gal	\$2.00	\$692.00	\$3.00	\$1,038.00	\$3.00	\$1,038.00
250	448	Asphalt Concrete Surface Course, Type 1, 2" inches th	96	C.Y.	\$180.00	\$17,280.00	\$280.00	\$26,880.00	\$300.00	\$28,800.00
251	557	8 inch Sanitary Sewer	97	L.F.	\$100.00	\$9,700.00	\$293.00	\$28,421.00	\$195.00	\$18,915.00
252	557	10 inch Sanitary Sewer	321	L.F.	\$100.00	\$32,100.00	\$281.00	\$90,201.00	\$207.00	\$66,447.00
253	559	6 inch Pipe Reconnections	130	L.F.	\$100.00	\$13,000.00	\$1.00	\$130.00	\$75.00	\$9,750.00
254	559	6 inch Long Radius 90° Pipe Bends	13	EACH	\$50.00	\$650.00	\$1.00	\$13.00	\$50.00	\$650.00
255	559	6 inch 45° Pipe Bends	13	EACH	\$50.00	\$650.00	\$1.00	\$13.00	\$50.00	\$650.00
256	562	Manhole MH-2A on 8-Inch Sanitary Sewer	1	EACH	\$5,500.00	\$5,500.00	\$3,285.00	\$3,285.00	\$2,500.00	\$2,500.00
257	562	Manhole MH-2A on 10-Inch Sanitary Sewer	1	EACH	\$5,500.00	\$5,500.00	\$3,300.00	\$3,300.00	\$2,500.00	\$2,500.00
258	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	11	C.Y.	\$50.00	\$550.00	\$1.00	\$11.00	\$50.00	\$550.00
259	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per pl	38	C.Y.	\$55.00	\$2,090.00	\$1.00	\$38.00	\$50.00	\$1,900.00
260	604	Bank Run Gravel	346	C.Y.	\$50.00	\$17,300.00	\$0.10	\$34.60	\$18.00	\$6,228.00
261	SPEC	Engineered Geogrid for Trenches, Type TX160, as per	199	S.Y.	\$3.00	\$597.00	\$1.00	\$199.00	\$5.00	\$995.00
262	SPEC	Engineered Geogrid for Trenches, Type TX190, as per	130	S.Y.	\$4.00	\$520.00	\$1.00	\$130.00	\$7.00	\$910.00
263	SPEC	Bypass Pumping	1	L.S.	\$5,000.00	\$5,000.00	\$1.00	\$1.00	\$8,000.00	\$8,000.00
Sht 23 - Harpster Ave, Asset ID 415442										
264	202	Wearing Course Removed	1010	S.Y.	\$5.00	\$5,050.00	\$10.00	\$10,100.00	\$10.00	\$10,100.00
265	407	Tack Coat	202	Gal	\$2.00	\$404.00	\$3.00	\$606.00	\$3.00	\$606.00
266	448	Asphalt Concrete Surface Course, Type 1, 2" inches th	56	C.Y.	\$180.00	\$10,080.00	\$320.00	\$17,920.00	\$300.00	\$16,800.00
267	557	8 inch Sanitary Sewer	378	L.F.	\$100.00	\$37,800.00	\$265.00	\$100,170.00	\$190.00	\$71,820.00
268	559	6 inch Pipe Reconnections	100	L.F.	\$100.00	\$10,000.00	\$1.00	\$100.00	\$75.00	\$7,500.00
269	559	6 inch Long Radius 90° Pipe Bends	10	EACH	\$50.00	\$500.00	\$1.00	\$10.00	\$50.00	\$500.00
270	559	6 inch 45° Pipe Bends	10	EACH	\$50.00	\$500.00	\$1.00	\$10.00	\$50.00	\$500.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		1. H.M. Miller Construction		*2. Lockhart Concrete Co.	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
271	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	9	C.Y.	\$50.00	\$450.00	\$1.00	\$9.00	\$50.00	\$450.00
272	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per pl	33	C.Y.	\$55.00	\$1,815.00	\$1.00	\$33.00	\$50.00	\$1,650.00
273	604	Bank Run Gravel	299	C.Y.	\$50.00	\$14,950.00	\$0.10	\$29.90	\$18.00	\$5,382.00
274	SPEC	Engineered Geogrid for Trenches, Type TX160, as per	175	S.Y.	\$3.00	\$525.00	\$1.00	\$175.00	\$5.00	\$875.00
275	SPEC	Engineered Geogrid for Trenches, Type TX190, as per	112	S.Y.	\$4.00	\$448.00	\$1.00	\$112.00	\$7.00	\$784.00
276	SPEC	Bypass Pumping	1	L.S.	\$4,000.00	\$4,000.00	\$1.00	\$1.00	\$12,000.00	\$12,000.00
Sht 24 - Harpster Ave, Asset IDs 411311 and 411313										
277	202	Wearing Course Removed	979	S.Y.	\$5.00	\$4,895.00	\$10.00	\$9,790.00	\$10.00	\$9,790.00
278	407	Tack Coat	196	Gal	\$2.00	\$392.00	\$3.00	\$588.00	\$3.00	\$588.00
279	448	Asphalt Concrete Surface Course, Type 1, 2" inches th	54	C.Y.	\$180.00	\$9,720.00	\$320.00	\$17,280.00	\$300.00	\$16,200.00
280	557	8 inch Sanitary Sewer, VCP, Class 'B' Bedding	50	L.F.	\$100.00	\$5,000.00	\$291.00	\$14,550.00	\$195.00	\$9,750.00
281	557	8 Inch Sanitary Sewer	262	L.F.	\$100.00	\$26,200.00	\$291.00	\$76,242.00	\$195.00	\$51,090.00
282	559	6 inch Pipe Reconnections	70	L.F.	\$100.00	\$7,000.00	\$1.00	\$70.00	\$75.00	\$5,250.00
283	559	6 inch Long Radius 90° Pipe Bends	7	EACH	\$50.00	\$350.00	\$1.00	\$7.00	\$50.00	\$350.00
284	559	6 inch 45° Pipe Bends	7	EACH	\$50.00	\$350.00	\$1.00	\$7.00	\$50.00	\$350.00
285	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	8	C.Y.	\$50.00	\$400.00	\$1.00	\$8.00	\$50.00	\$400.00
286	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per pl	27	C.Y.	\$55.00	\$1,485.00	\$1.00	\$27.00	\$50.00	\$1,350.00
287	604	Bank Run Gravel	277	C.Y.	\$50.00	\$13,850.00	\$0.10	\$27.70	\$18.00	\$4,986.00
288	SPEC	Engineered Geogrid for Trenches, Type TX160, as per	144	S.Y.	\$3.00	\$432.00	\$1.00	\$144.00	\$5.00	\$720.00
289	SPEC	Engineered Geogrid for Trenches, Type TX190, as per	92	S.Y.	\$4.00	\$368.00	\$1.00	\$92.00	\$7.00	\$644.00
290	SPEC	Bypass Pumping	1	L.S.	\$5,000.00	\$5,000.00	\$1.00	\$1.00	\$12,000.00	\$12,000.00
Sht 25 - Florida Ave, Asset IDs 415868 and 415869										
291	202	Wearing Course Removed	409	S.Y.	\$5.00	\$2,045.00	\$15.00	\$6,135.00	\$10.00	\$4,090.00
292	407	Tack Coat	82	Gal	\$2.00	\$164.00	\$5.00	\$410.00	\$3.00	\$246.00
293	448	Asphalt Concrete Surface Course, Type 1, 2" inches th	23	C.Y.	\$180.00	\$4,140.00	\$450.00	\$10,350.00	\$300.00	\$6,900.00
294	557	8 inch Sanitary Sewer, VCP, Class 'B' Bedding	160	L.F.	\$100.00	\$16,000.00	\$232.00	\$37,120.00	\$190.00	\$30,400.00
295	559	6 inch Pipe Reconnections	50	L.F.	\$100.00	\$5,000.00	\$1.00	\$50.00	\$75.00	\$3,750.00
296	559	6 inch Long Radius 90° Pipe Bends	5	EACH	\$50.00	\$250.00	\$1.00	\$5.00	\$50.00	\$250.00
297	559	6 inch 45° Pipe Bends	5	EACH	\$50.00	\$250.00	\$1.00	\$5.00	\$50.00	\$250.00
298	562	Manhole MH-2A on 8-Inch Sanitary Sewer	1	EACH	\$6,000.00	\$6,000.00	\$2,505.00	\$2,505.00	\$2,500.00	\$2,500.00
299	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	4	C.Y.	\$50.00	\$200.00	\$1.00	\$4.00	\$50.00	\$200.00
300	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per pl	14	C.Y.	\$55.00	\$770.00	\$1.00	\$14.00	\$50.00	\$700.00
301	604	Bank Run Gravel	95	C.Y.	\$50.00	\$4,750.00	\$0.10	\$9.50	\$18.00	\$1,710.00
302	653	Topsoil, 4" Thick	47	S.Y.	\$3.50	\$164.50	\$3.00	\$141.00	\$5.00	\$235.00
303	659	Seeding and Mulching	47	S.Y.	\$3.00	\$141.00	\$3.00	\$141.00	\$3.00	\$141.00
304	SPEC	Engineered Geogrid for Trenches, Type TX160, as per	74	S.Y.	\$3.00	\$222.00	\$1.00	\$74.00	\$5.00	\$370.00
305	SPEC	Engineered Geogrid for Trenches, Type TX190, as per	47	S.Y.	\$4.00	\$188.00	\$1.00	\$47.00	\$7.00	\$329.00
306	SPEC	Bypass Pumping	1	L.S.	\$4,000.00	\$4,000.00	\$1.00	\$1.00	\$10,000.00	\$10,000.00
Sht 26 - Florida Ave, Asset ID 421059										
307	202	Wearing Course Removed	868	S.Y.	\$5.00	\$4,340.00	\$10.00	\$8,680.00	\$10.00	\$8,680.00
308	407	Tack Coat	174	Gal	\$2.00	\$348.00	\$3.00	\$522.00	\$3.00	\$522.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		1. H.M. Miller Construction		*2. Lockhart Concrete Co.	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
309	448	Asphalt Concrete Surface Course, Type 1, 2" inches th	48	C.Y.	\$180.00	\$8,640.00	\$320.00	\$15,360.00	\$300.00	\$14,400.00
310	557	8 inch Sanitary Sewer, VCP, Class 'B' Bedding	300	L.F.	\$100.00	\$30,000.00	\$201.00	\$60,300.00	\$170.00	\$51,000.00
311	559	6 inch Pipe Reconnections	120	L.F.	\$100.00	\$12,000.00	\$1.00	\$120.00	\$75.00	\$9,000.00
312	559	6 inch Long Radius 90° Pipe Bends	12	EACH	\$50.00	\$600.00	\$1.00	\$12.00	\$50.00	\$600.00
313	559	6 inch 45° Pipe Bends	12	EACH	\$50.00	\$600.00	\$1.00	\$12.00	\$50.00	\$600.00
314	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	7	C.Y.	\$50.00	\$350.00	\$1.00	\$7.00	\$50.00	\$350.00
315	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per pl	26	C.Y.	\$55.00	\$1,430.00	\$1.00	\$26.00	\$50.00	\$1,300.00
316	604	Bank Run Gravel	237	C.Y.	\$50.00	\$11,850.00	\$0.10	\$23.70	\$18.00	\$4,266.00
317	SPEC	Engineered Geogrid for Trenches, Type TX160, as per	139	S.Y.	\$3.00	\$417.00	\$1.00	\$139.00	\$5.00	\$695.00
318	SPEC	Engineered Geogrid for Trenches, Type TX190, as per	89	S.Y.	\$4.00	\$356.00	\$1.00	\$89.00	\$7.00	\$623.00
319	SPEC	Bypass Pumping	1	L.S.	\$4,000.00	\$4,000.00	\$1.00	\$1.00	\$12,000.00	\$12,000.00
Sht 27 - East Ave, Asset ID 404793										
320	202	Wearing Course Removed	222	S.Y.	\$5.00	\$1,110.00	\$20.00	\$4,440.00	\$10.00	\$2,220.00
321	407	Tack Coat	44	Gal	\$2.00	\$88.00	\$10.00	\$440.00	\$3.00	\$132.00
322	448	Asphalt Concrete Surface Course, Type 1, 2" inches th	12	C.Y.	\$180.00	\$2,160.00	\$550.00	\$6,600.00	\$300.00	\$3,600.00
323	557	12 inch Sanitary Sewer, VCP, Class 'B' Bedding	85	L.F.	\$105.00	\$8,925.00	\$298.00	\$25,330.00	\$270.00	\$22,950.00
324	559	6 inch Pipe Reconnections	20	L.F.	\$100.00	\$2,000.00	\$1.00	\$20.00	\$75.00	\$1,500.00
325	559	6 inch Long Radius 90° Pipe Bends	2	EACH	\$50.00	\$100.00	\$1.00	\$2.00	\$50.00	\$100.00
326	559	6 inch 45° Pipe Bends	2	EACH	\$50.00	\$100.00	\$1.00	\$2.00	\$50.00	\$100.00
327	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	2	C.Y.	\$50.00	\$100.00	\$1.00	\$2.00	\$50.00	\$100.00
328	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per pl	8	C.Y.	\$55.00	\$440.00	\$1.00	\$8.00	\$50.00	\$400.00
329	604	Bank Run Gravel	76	C.Y.	\$50.00	\$3,800.00	\$0.10	\$7.60	\$18.00	\$1,368.00
330	SPEC	Engineered Geogrid for Trenches, Type TX160, as per	43	S.Y.	\$3.00	\$129.00	\$1.00	\$43.00	\$5.00	\$215.00
331	SPEC	Engineered Geogrid for Trenches, Type TX190, as per	28	S.Y.	\$4.00	\$112.00	\$1.00	\$28.00	\$7.00	\$196.00
332	SPEC	Bypass Pumping	1	L.S.	\$3,000.00	\$3,000.00	\$1.00	\$1.00	\$8,000.00	\$8,000.00
Sht 28 - Fowler Ave, Asset ID 411362										
333	202	Wearing Course Removed	594	S.Y.	\$5.00	\$2,970.00	\$15.00	\$8,910.00	\$10.00	\$5,940.00
334	407	Tack Coat	119	Gal	\$2.00	\$238.00	\$5.00	\$595.00	\$3.00	\$357.00
335	448	Asphalt Concrete Surface Course, Type 1, 2" inches th	33	C.Y.	\$180.00	\$5,940.00	\$450.00	\$14,850.00	\$300.00	\$9,900.00
336	557	8 inch Sanitary Sewer	250	L.F.	\$100.00	\$25,000.00	\$297.00	\$74,250.00	\$205.00	\$51,250.00
337	559	6 inch Pipe Reconnections	130	L.F.	\$100.00	\$13,000.00	\$1.00	\$130.00	\$75.00	\$9,750.00
338	559	6 inch Long Radius 90° Pipe Bends	13	EACH	\$50.00	\$650.00	\$1.00	\$13.00	\$50.00	\$650.00
339	559	6 inch 45° Pipe Bends	13	EACH	\$50.00	\$650.00	\$1.00	\$13.00	\$50.00	\$650.00
340	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	6	C.Y.	\$50.00	\$300.00	\$1.00	\$6.00	\$50.00	\$300.00
341	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per pl	22	C.Y.	\$55.00	\$1,210.00	\$1.00	\$22.00	\$50.00	\$1,100.00
342	604	Bank Run Gravel	223	C.Y.	\$50.00	\$11,150.00	\$0.10	\$22.30	\$18.00	\$4,014.00
343	SPEC	Engineered Geogrid for Trenches, Type TX160, as per	116	S.Y.	\$3.00	\$348.00	\$1.00	\$116.00	\$5.00	\$580.00
344	SPEC	Engineered Geogrid for Trenches, Type TX190, as per	74	S.Y.	\$4.00	\$296.00	\$1.00	\$74.00	\$7.00	\$518.00
345	SPEC	Bypass Pumping	1	L.S.	\$4,000.00	\$4,000.00	\$1.00	\$1.00	\$12,000.00	\$12,000.00
Sht 29 - East Ave, Asset ID 407167										
346	202	Wearing Course Removed	311	S.Y.	\$5.00	\$1,555.00	\$20.00	\$6,220.00	\$10.00	\$3,110.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		1. H.M. Miller Construction		*2. Lockhart Concrete Co.	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
347	407	Tack Coat	62	Gal	\$2.00	\$124.00	\$5.00	\$310.00	\$3.00	\$186.00
348	448	Asphalt Concrete Surface Course, Type 1, 2" inches th	17	C.Y.	\$180.00	\$3,060.00	\$450.00	\$7,650.00	\$300.00	\$5,100.00
349	557	12 inch Sanitary Sewer, VCP, Class 'B' Bedding	60	L.F.	\$105.00	\$6,300.00	\$326.00	\$19,560.00	\$235.00	\$14,100.00
350	559	6 inch Pipe Reconnections	10	L.F.	\$100.00	\$1,000.00	\$1.00	\$10.00	\$75.00	\$750.00
351	559	6 inch Long Radius 90° Pipe Bends	1	EACH	\$50.00	\$50.00	\$1.00	\$1.00	\$50.00	\$50.00
352	559	6 inch 45° Pipe Bends	1	EACH	\$50.00	\$50.00	\$1.00	\$1.00	\$50.00	\$50.00
353	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	2	C.Y.	\$50.00	\$100.00	\$1.00	\$2.00	\$50.00	\$100.00
354	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per pl	6	C.Y.	\$55.00	\$330.00	\$1.00	\$6.00	\$50.00	\$300.00
355	604	Bank Run Gravel	60	C.Y.	\$50.00	\$3,000.00	\$0.10	\$6.00	\$18.00	\$1,080.00
356	SPEC	Engineered Geogrid for Trenches, Type TX160, as per	30	S.Y.	\$3.00	\$90.00	\$1.00	\$30.00	\$5.00	\$150.00
357	SPEC	Engineered Geogrid for Trenches, Type TX190, as per	3	S.Y.	\$4.00	\$12.00	\$1.00	\$3.00	\$7.00	\$21.00
358	SPEC	Bypass Pumping	1	L.S.	\$4,000.00	\$4,000.00	\$1.00	\$1.00	\$10,000.00	\$10,000.00
Sht 30 - Kentucky Ave, Asset ID 397526										
359	202	Wearing Course Removed	88	S.Y.	\$5.00	\$440.00	\$35.00	\$3,080.00	\$10.00	\$880.00
360	407	Tack Coat	18	Gal	\$2.00	\$36.00	\$20.00	\$360.00	\$3.00	\$54.00
361	448	Asphalt Concrete Surface Course, Type 1, 2" inches th	5	C.Y.	\$180.00	\$900.00	\$780.00	\$3,900.00	\$300.00	\$1,500.00
362	455	Combination Curb and Gutter	18	L.F.	\$25.00	\$450.00	\$55.00	\$990.00	\$30.00	\$540.00
363	557	8 inch Sanitary Sewer, VCP, Class 'B' Bedding	60	L.F.	\$100.00	\$6,000.00	\$682.00	\$40,920.00	\$470.00	\$28,200.00
364	559	6 inch Pipe Reconnections	10	L.F.	\$100.00	\$1,000.00	\$1.00	\$10.00	\$75.00	\$750.00
365	559	6 inch Long Radius 90° Pipe Bends	1	EACH	\$50.00	\$50.00	\$1.00	\$1.00	\$50.00	\$50.00
366	559	6 inch 45° Pipe Bends	1	EACH	\$50.00	\$50.00	\$1.00	\$1.00	\$50.00	\$50.00
367	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	1	C.Y.	\$50.00	\$50.00	\$1.00	\$1.00	\$50.00	\$50.00
368	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per pl	5	C.Y.	\$55.00	\$275.00	\$1.00	\$5.00	\$50.00	\$250.00
369	604	Bank Run Gravel	83	C.Y.	\$50.00	\$4,150.00	\$0.10	\$8.30	\$18.00	\$1,494.00
370	SPEC	Engineered Geogrid for Trenches, Type TX160, as per	28	S.Y.	\$3.00	\$84.00	\$1.00	\$28.00	\$5.00	\$140.00
371	SPEC	Engineered Geogrid for Trenches, Type TX190, as per	18	S.Y.	\$4.00	\$72.00	\$1.00	\$18.00	\$7.00	\$126.00
372	SPEC	Bypass Pumping	1	L.S.	\$4,000.00	\$4,000.00	\$1.00	\$1.00	\$12,000.00	\$12,000.00
Sht 31 - California Ave, Asset ID 407151										
373	202	Wearing Course Removed	539	S.Y.	\$5.00	\$2,695.00	\$15.00	\$8,085.00	\$10.00	\$5,390.00
374	407	Tack Coat	108	Gal	\$2.00	\$216.00	\$5.00	\$540.00	\$3.00	\$324.00
375	448	Asphalt Concrete Surface Course, Type 1, 2" inches th	30	C.Y.	\$180.00	\$5,400.00	\$450.00	\$13,500.00	\$300.00	\$9,000.00
376	557	12 inch Sanitary Sewer	200	L.F.	\$105.00	\$21,000.00	\$581.00	\$116,200.00	\$570.00	\$114,000.00
377	559	6 inch Pipe Reconnections	40	L.F.	\$100.00	\$4,000.00	\$1.00	\$40.00	\$75.00	\$3,000.00
378	559	6 inch Long Radius 90° Pipe Bends	4	EACH	\$50.00	\$200.00	\$1.00	\$4.00	\$50.00	\$200.00
379	559	6 inch 45° Pipe Bends	4	EACH	\$50.00	\$200.00	\$1.00	\$4.00	\$50.00	\$200.00
380	562	Manhole MH-2A on 12-Inch Sanitary Sewer	1	EACH	\$5,500.00	\$5,500.00	\$3,885.00	\$3,885.00	\$2,800.00	\$2,800.00
381	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	6	C.Y.	\$50.00	\$300.00	\$1.00	\$6.00	\$50.00	\$300.00
382	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per pl	19	C.Y.	\$55.00	\$1,045.00	\$1.00	\$19.00	\$50.00	\$950.00
383	604	Bank Run Gravel	333	C.Y.	\$50.00	\$16,650.00	\$0.10	\$33.30	\$18.00	\$5,994.00
384	SPEC	Engineered Geogrid for Trenches, Type TX160, as per	100	S.Y.	\$3.00	\$300.00	\$1.00	\$100.00	\$5.00	\$500.00
385	SPEC	Engineered Geogrid for Trenches, Type TX190, as per	67	S.Y.	\$4.00	\$268.00	\$1.00	\$67.00	\$7.00	\$469.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		1. H.M. Miller Construction		*2. Lockhart Concrete Co.	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
386	SPEC	Bypass Pumping	1	L.S.	\$4,000.00	\$4,000.00	\$1.00	\$1.00	\$14,000.00	\$14,000.00
Sht 32 - California Ave, Asset IDs 411904 and 411906										
387	202	Wearing Course Removed	396	S.Y.	\$5.00	\$1,980.00	\$20.00	\$7,920.00	\$10.00	\$3,960.00
388	407	Tack Coat	79	Gal	\$2.00	\$158.00	\$5.00	\$395.00	\$3.00	\$237.00
389	448	Asphalt Concrete Surface Course, Type 1, 2" inches th	22	C.Y.	\$180.00	\$3,960.00	\$450.00	\$9,900.00	\$300.00	\$6,600.00
390	557	24 inch Sanitary Sewer, VCP, Class 'B' Bedding	100	L.F.	\$120.00	\$12,000.00	\$1,046.00	\$104,600.00	\$670.00	\$67,000.00
391	559	6 inch Pipe Reconnections	30	L.F.	\$100.00	\$3,000.00	\$1.00	\$30.00	\$75.00	\$2,250.00
392	559	6 inch Long Radius 90° Pipe Bends	3	EACH	\$50.00	\$150.00	\$1.00	\$3.00	\$50.00	\$150.00
393	559	6 inch 45° Pipe Bends	3	EACH	\$50.00	\$150.00	\$1.00	\$3.00	\$50.00	\$150.00
394	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	4	C.Y.	\$50.00	\$200.00	\$1.00	\$4.00	\$50.00	\$200.00
395	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per pl	13	C.Y.	\$55.00	\$715.00	\$1.00	\$13.00	\$50.00	\$650.00
396	604	Bank Run Gravel	267	C.Y.	\$50.00	\$13,350.00	\$0.10	\$26.70	\$18.00	\$4,806.00
397	SPEC	Engineered Geogrid for Trenches, Type TX160, as per	61	S.Y.	\$3.00	\$183.00	\$1.00	\$61.00	\$5.00	\$305.00
398	SPEC	Engineered Geogrid for Trenches, Type TX190, as per	44	S.Y.	\$4.00	\$176.00	\$1.00	\$44.00	\$7.00	\$308.00
399	SPEC	Bypass Pumping	1	L.S.	\$4,000.00	\$4,000.00	\$1.00	\$1.00	\$14,000.00	\$14,000.00
Sht 33 - California Ave, Asset ID 421044										
400	202	Wearing Course Removed	292	S.Y.	\$5.00	\$1,460.00	\$20.00	\$5,840.00	\$10.00	\$2,920.00
401	407	Tack Coat	58	Gal	\$2.00	\$116.00	\$10.00	\$580.00	\$3.00	\$174.00
402	448	Asphalt Concrete Surface Course, Type 1, 2" inches th	16	C.Y.	\$180.00	\$2,880.00	\$550.00	\$8,800.00	\$300.00	\$4,800.00
403	557	21 inch Sanitary Sewer, VCP, Class 'B' Bedding	85	L.F.	\$120.00	\$10,200.00	\$735.00	\$62,475.00	\$770.00	\$65,450.00
404	559	6 inch Pipe Reconnections	20	L.F.	\$100.00	\$2,000.00	\$1.00	\$20.00	\$75.00	\$1,500.00
405	559	6 inch Long Radius 90° Pipe Bends	2	EACH	\$50.00	\$100.00	\$1.00	\$2.00	\$50.00	\$100.00
406	559	6 inch 45° Pipe Bends	2	EACH	\$50.00	\$100.00	\$1.00	\$2.00	\$50.00	\$100.00
407	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	3	C.Y.	\$50.00	\$150.00	\$1.00	\$3.00	\$50.00	\$150.00
408	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per pl	10	C.Y.	\$55.00	\$550.00	\$1.00	\$10.00	\$50.00	\$500.00
409	604	Bank Run Gravel	189	C.Y.	\$50.00	\$9,450.00	\$0.10	\$18.90	\$18.00	\$3,402.00
410	SPEC	Engineered Geogrid for Trenches, Type TX160, as per	50	S.Y.	\$3.00	\$150.00	\$1.00	\$50.00	\$5.00	\$250.00
411	SPEC	Engineered Geogrid for Trenches, Type TX190, as per	35	S.Y.	\$4.00	\$140.00	\$1.00	\$35.00	\$7.00	\$245.00
412	SPEC	Bypass Pumping	1	L.S.	\$4,000.00	\$4,000.00	\$1.00	\$1.00	\$15,000.00	\$15,000.00
Sht 34 - 31st St, Asset ID 411881										
413	202	Wearing Course Removed	56	S.Y.	\$5.00	\$280.00	\$50.00	\$2,800.00	\$10.00	\$560.00
414	407	Tack Coat	11	Gal	\$2.00	\$22.00	\$25.00	\$275.00	\$3.00	\$33.00
415	448	Asphalt Concrete Surface Course, Type 1, 2" inches th	3	C.Y.	\$180.00	\$540.00	\$850.00	\$2,550.00	\$300.00	\$900.00
416	557	8 inch Sanitary Sewer, VCP, Class 'B' Bedding	40	L.F.	\$100.00	\$4,000.00	\$540.00	\$21,600.00	\$245.00	\$9,800.00
417	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	1	C.Y.	\$50.00	\$50.00	\$1.00	\$1.00	\$50.00	\$50.00
418	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per pl	3	C.Y.	\$55.00	\$165.00	\$1.00	\$3.00	\$50.00	\$150.00
419	604	Bank Run Gravel	47	C.Y.	\$50.00	\$2,350.00	\$0.10	\$4.70	\$18.00	\$846.00
420	653	Topsoil, 4" Thick	33	S.Y.	\$3.50	\$115.50	\$3.00	\$99.00	\$5.00	\$165.00
421	659	Seeding and Mulching	33	S.Y.	\$3.00	\$99.00	\$3.00	\$99.00	\$3.00	\$99.00
422	SPEC	Engineered Geogrid for Trenches, Type TX160, as per	19	S.Y.	\$3.00	\$57.00	\$1.00	\$19.00	\$5.00	\$95.00
423	SPEC	Engineered Geogrid for Trenches, Type TX190, as per	12	S.Y.	\$4.00	\$48.00	\$1.00	\$12.00	\$7.00	\$84.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		1. H.M. Miller Construction		*2. Lockhart Concrete Co.	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
424	SPEC	Bypass Pumping	1	L.S.	\$3,000.00	\$3,000.00	\$1.00	\$1.00	\$10,000.00	\$10,000.00
Sht 35 - 31st St, Asset ID 421028										
425	202	Wearing Course Removed	204	S.Y.	\$5.00	\$1,020.00	\$25.00	\$5,100.00	\$10.00	\$2,040.00
426	202	Wet Well Abandoned	1	L.S.	\$5,000.00	\$5,000.00	\$1,500.00	\$1,500.00	\$2,000.00	\$2,000.00
427	407	Tack Coat	41	Gal	\$2.00	\$82.00	\$10.00	\$410.00	\$3.00	\$123.00
428	448	Asphalt Concrete Surface Course, Type 1, 2" inches th	11	C.Y.	\$180.00	\$1,980.00	\$660.00	\$7,260.00	\$300.00	\$3,300.00
429	557	8 inch Sanitary Sewer, PVC Truss, Class 'NR' Bedding	80	L.F.	\$100.00	\$8,000.00	\$151.00	\$12,080.00	\$195.00	\$15,600.00
430	559	6 inch Pipe Reconnections	10	L.F.	\$100.00	\$1,000.00	\$1.00	\$10.00	\$75.00	\$750.00
431	559	6 inch Long Radius 90° Pipe Bends	1	EACH	\$50.00	\$50.00	\$1.00	\$1.00	\$50.00	\$50.00
432	559	6 inch 45° Pipe Bends	1	EACH	\$50.00	\$50.00	\$1.00	\$1.00	\$50.00	\$50.00
433	562	Manhole MH-2A on 8-Inch Sanitary Sewer	1	EACH	\$6,000.00	\$6,000.00	\$2,330.00	\$2,330.00	\$2,500.00	\$2,500.00
434	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	2	C.Y.	\$50.00	\$100.00	\$1.00	\$2.00	\$50.00	\$100.00
435	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per pl	7	C.Y.	\$55.00	\$385.00	\$1.00	\$7.00	\$50.00	\$350.00
436	604	Bank Run Gravel	47	C.Y.	\$50.00	\$2,350.00	\$0.10	\$4.70	\$18.00	\$846.00
437	SPEC	Engineered Geogrid for Trenches, Type TX160, as per	37	S.Y.	\$3.00	\$111.00	\$1.00	\$37.00	\$5.00	\$185.00
438	SPEC	Engineered Geogrid for Trenches, Type TX190, as per	24	S.Y.	\$4.00	\$96.00	\$1.00	\$24.00	\$7.00	\$168.00
439	SPEC	Bypass Pumping	1	L.S.	\$4,000.00	\$4,000.00	\$1.00	\$1.00	\$10,000.00	\$10,000.00
Sht 36 - Waterloo Rd, Asset IDs 413320 and 413322 (Partial)										
440	202	Wearing Course Removed	264	S.Y.	\$5.00	\$1,320.00	\$20.00	\$5,280.00	\$10.00	\$2,640.00
441	407	Tack Coat	53	Gal	\$2.00	\$106.00	\$5.00	\$265.00	\$3.00	\$159.00
442	448	Asphalt Concrete Surface Course, Type 1, 2" inches th	15	C.Y.	\$180.00	\$2,700.00	\$450.00	\$6,750.00	\$300.00	\$4,500.00
443	557	21 inch Sanitary Sewer	399	L.F.	\$120.00	\$47,880.00	\$827.00	\$329,973.00	\$770.00	\$307,230.00
444	559	6 inch Pipe Reconnections	150	L.F.	\$100.00	\$15,000.00	\$1.00	\$150.00	\$75.00	\$11,250.00
445	559	6 inch Long Radius 90° Pipe Bends	15	EACH	\$50.00	\$750.00	\$1.00	\$15.00	\$50.00	\$750.00
446	559	6 inch 45° Pipe Bends	15	EACH	\$50.00	\$750.00	\$1.00	\$15.00	\$50.00	\$750.00
447	562	Manhole MH-2B on 21-Inch Sanitary Sewer	1	EACH	\$6,500.00	\$6,500.00	\$5,255.00	\$5,255.00	\$4,500.00	\$4,500.00
448	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	14	C.Y.	\$50.00	\$700.00	\$1.00	\$14.00	\$50.00	\$700.00
449	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per pl	52	C.Y.	\$55.00	\$2,860.00	\$1.00	\$52.00	\$50.00	\$2,600.00
450	604	Bank Run Gravel	998	C.Y.	\$50.00	\$49,900.00	\$0.10	\$99.80	\$18.00	\$17,964.00
451	653	Topsoil, 4" Thick	444	S.Y.	\$3.50	\$1,554.00	\$3.00	\$1,332.00	\$5.00	\$2,220.00
452	659	Seeding and Mulching	444	S.Y.	\$3.00	\$1,332.00	\$3.00	\$1,332.00	\$3.00	\$1,332.00
453	SPEC	Engineered Geogrid for Trenches, Type TX160, as per	233	S.Y.	\$3.00	\$699.00	\$1.00	\$233.00	\$5.00	\$1,165.00
454	SPEC	Engineered Geogrid for Trenches, Type TX190, as per	166	S.Y.	\$4.00	\$664.00	\$1.00	\$166.00	\$7.00	\$1,162.00
455	SPEC	Bypass Pumping	1	L.S.	\$5,000.00	\$5,000.00	\$1.00	\$1.00	\$20,000.00	\$20,000.00
Sht 37 - Waterloo Road, Asset IDs 413322 (Partial), 413324, 418520, 416042, 413318 (Partial), 414764 (Partial), and 414758 (Partial)										
456	202	Wearing Course Removed	717	S.Y.	\$5.00	\$3,585.00	\$15.00	\$10,755.00	\$10.00	\$7,170.00
457	202	Pipe Abandoned, 8 Inch	263	L.F.	\$5.00	\$1,315.00	\$10.00	\$2,630.00	\$5.00	\$1,315.00
458	407	Tack Coat	143	Gal	\$2.00	\$286.00	\$5.00	\$715.00	\$3.00	\$429.00
459	448	Asphalt Concrete Surface Course, Type 1, 2" inches th	40	C.Y.	\$180.00	\$7,200.00	\$320.00	\$12,800.00	\$300.00	\$12,000.00
460	557	21 inch Sanitary Sewer	510	L.F.	\$120.00	\$61,200.00	\$716.00	\$365,160.00	\$770.00	\$392,700.00
461	559	6 inch Pipe Reconnections	160	L.F.	\$100.00	\$16,000.00	\$1.00	\$160.00	\$75.00	\$12,000.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		1. H.M. Miller Construction		*2. Lockhart Concrete Co.	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
462	559	6 inch Long Radius 90° Pipe Bends	13	EACH	\$50.00	\$650.00	\$1.00	\$13.00	\$50.00	\$650.00
463	559	6 inch 45° Pipe Bends	13	EACH	\$50.00	\$650.00	\$1.00	\$13.00	\$50.00	\$650.00
464	562	Manhole MH-2B on 21-Inch Sanitary Sewer	4	EACH	\$6,500.00	\$26,000.00	\$5,200.00	\$20,800.00	\$7,500.00	\$30,000.00
465	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	18	C.Y.	\$50.00	\$900.00	\$1.00	\$18.00	\$50.00	\$900.00
466	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per pl	62	C.Y.	\$55.00	\$3,410.00	\$1.00	\$62.00	\$50.00	\$3,100.00
467	604	Bank Run Gravel	1204	C.Y.	\$50.00	\$60,200.00	\$0.10	\$120.40	\$18.00	\$21,672.00
468	653	Topsoil, 4" Thick	617	S.Y.	\$3.50	\$2,159.50	\$0.10	\$61.70	\$5.00	\$3,085.00
469	659	Seeding and Mulching	617	S.Y.	\$3.00	\$1,851.00	\$0.10	\$61.70	\$3.00	\$1,851.00
470	SPEC	Engineered Geogrid for Trenches, Type TX160, as per	298	S.Y.	\$3.00	\$894.00	\$1.00	\$298.00	\$5.00	\$1,490.00
471	SPEC	Engineered Geogrid for Trenches, Type TX190, as per	213	S.Y.	\$4.00	\$852.00	\$1.00	\$213.00	\$7.00	\$1,491.00
472	SPEC	Bypass Pumping	1	L.S.	\$4,000.00	\$4,000.00	\$1.00	\$1.00	\$20,000.00	\$20,000.00
473	SPEC	Coordination with Utilities	1	L.S.	\$12,000.00	\$12,000.00	\$34,000.00	\$34,000.00	\$22,000.00	\$22,000.00
Sht 38 - Waterloo Road, Asset IDs 413318 (Partial), 413316, 414762, 414764 (Partial) and 414758 (Partial)										
474	202	Wearing Course Removed	1001	S.Y.	\$5.00	\$5,005.00	\$10.00	\$10,010.00	\$10.00	\$10,010.00
475	202	Pipe Abandoned, 8 Inch	587	L.F.	\$5.00	\$2,935.00	\$10.00	\$5,870.00	\$5.00	\$2,935.00
476	202	Manhole Abandoned	3	EACH	\$1,000.00	\$3,000.00	\$500.00	\$1,500.00	\$100.00	\$300.00
477	407	Tack Coat	200	Gal	\$2.00	\$400.00	\$3.00	\$600.00	\$3.00	\$600.00
478	448	Asphalt Concrete Surface Course, Type 1, 2" inches th	56	C.Y.	\$180.00	\$10,080.00	\$320.00	\$17,920.00	\$300.00	\$16,800.00
479	557	21 inch Sanitary Sewer	346	L.F.	\$120.00	\$41,520.00	\$358.00	\$123,868.00	\$695.00	\$240,470.00
480	559	6 inch Pipe Reconnections	160	L.F.	\$100.00	\$16,000.00	\$1.00	\$160.00	\$75.00	\$12,000.00
481	559	6 inch Long Radius 90° Pipe Bends	8	EACH	\$50.00	\$400.00	\$1.00	\$8.00	\$50.00	\$400.00
482	559	6 inch 45° Pipe Bends	8	EACH	\$50.00	\$400.00	\$1.00	\$8.00	\$50.00	\$400.00
483	562	Manhole MH-2B on 21-Inch Sanitary Sewer	2	EACH	\$6,500.00	\$13,000.00	\$4,380.00	\$8,760.00	\$7,600.00	\$15,200.00
484	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	9	C.Y.	\$50.00	\$450.00	\$1.00	\$9.00	\$50.00	\$450.00
485	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per pl	30	C.Y.	\$55.00	\$1,650.00	\$1.00	\$30.00	\$50.00	\$1,500.00
486	604	Bank Run Gravel	410	C.Y.	\$50.00	\$20,500.00	\$0.10	\$41.00	\$18.00	\$7,380.00
487	SPEC	Engineered Geogrid for Trenches, Type TX160, as per	160	S.Y.	\$3.00	\$480.00	\$1.00	\$160.00	\$5.00	\$800.00
488	SPEC	Engineered Geogrid for Trenches, Type TX190, as per	103	S.Y.	\$4.00	\$412.00	\$1.00	\$103.00	\$7.00	\$721.00
489	SPEC	Bypass Pumping	1	L.S.	\$4,000.00	\$4,000.00	\$1.00	\$1.00	\$20,000.00	\$20,000.00
Sht 39 - Cordelia Ave, Asset ID 397445										
490	202	Wearing Course Removed	294	S.Y.	\$5.00	\$1,470.00	\$20.00	\$5,880.00	\$10.00	\$2,940.00
491	407	Tack Coat	59	Gal	\$2.00	\$118.00	\$5.00	\$295.00	\$3.00	\$177.00
492	448	Asphalt Concrete Surface Course, Type 1, 2" inches th	16	C.Y.	\$180.00	\$2,880.00	\$450.00	\$7,200.00	\$300.00	\$4,800.00
493	456	Concrete Walk, 4 Inches Thick	150	S.F.	\$8.00	\$1,200.00	\$6.00	\$900.00	\$6.00	\$900.00
494	557	8 inch Sanitary Sewer	270	L.F.	\$100.00	\$27,000.00	\$82.00	\$22,140.00	\$190.00	\$51,300.00
495	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	7	C.Y.	\$50.00	\$350.00	\$1.00	\$7.00	\$50.00	\$350.00
496	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per pl	23	C.Y.	\$55.00	\$1,265.00	\$1.00	\$23.00	\$50.00	\$1,150.00
497	604	Bank Run Gravel	213	C.Y.	\$50.00	\$10,650.00	\$0.10	\$21.30	\$18.00	\$3,834.00
498	653	Topsoil, 4" Thick	292	S.Y.	\$3.50	\$1,022.00	\$3.00	\$876.00	\$5.00	\$1,460.00
499	659	Seeding and Mulching	292	S.Y.	\$3.00	\$876.00	\$3.00	\$876.00	\$3.00	\$876.00
500	SPEC	Engineered Geogrid for Trenches, Type TX160, as per	125	S.Y.	\$3.00	\$375.00	\$1.00	\$125.00	\$5.00	\$625.00
501	SPEC	Engineered Geogrid for Trenches, Type TX190, as per	80	S.Y.	\$4.00	\$320.00	\$1.00	\$80.00	\$7.00	\$560.00

BID TAB FOR: Mud Run District I-I Repairs

FILE NO. 2012-048-07

BID DATE: September 30, 2015

CODE: 51002-P13043

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 Co. PRICE	*2. Lockhart Concrete Co. AMOUNT
502	SPEC	Bypass Pumping	1	L.S.	\$4,000.00	\$4,000.00	\$1.00	\$1.00	\$8,000.00	\$8,000.00
503	SPEC	Coordination with Utilities	1	L.S.	\$12,000.00	\$12,000.00	\$25,000.00	\$25,000.00	\$14,000.00	\$14,000.00
TOTAL CONSTRUCTION COSTS						\$2,724,681.50		\$3,883,278.25		\$4,543,191.50
+/- ENGINEER'S ESTIMATE								+42.5%		+66.7%

*Missing Addenda; Ref #s 186, 470 and 479 totals are incorrect. Ref #495 correction was not initialed or dated. Ref #'s 48, 62, 79, & 94 were left blank.
 Unofficial Construction Cost Total is incorrect.

BIDDING SCHEDULE FOR: Mud Run District I-I Repairs

TO THE DIRECTOR OF PUBLIC SERVICE OF THE CITY OF AKRON:

The undersigned proposes to furnish all labor, materials, and equipment for and construct the following improvement and all other work incidental thereto, including any and all work and materials that may be necessary to connect the work done with the adjoining work, in a proper and workmanlike manner, and according to the plans and profiles on file in the Bureau of Engineering, and upon the terms and conditions of the specifications and form of contract bound herewith and the rules and regulations of the City, and under the direction and to the satisfaction of the Director of Public Service, at the following unit rates, to-wit:

PLEASE TYPE OR USE BLACK INK

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
1	103.05	Contract Performance Bond	1	L.S.		
2	503	Cofferdams, Cribs and Sheeting	1	L.S.		
3	603	Limestone #1 & #2, as directed by Engineer	200	C.Y.		
4	603	Limestone, as directed by Engineer	200	C.Y.		
5	613	Uniformed Law Enforcement Officer	300	HOUR	\$37.00	\$11,100
6	614	Maintaining Traffic	1	L.S.		
7	619	Field Office	1	L.S.		
8	623	Construction Layout Stakes	1	L.S.		
9	624	Mobilization	1	L.S.		
10	SPEC	Dewatering	1	L.S.		
Sht 5 - Home Care Place, Asset ID 418713						
11	202	Wearing Course Removed	76	S.Y.		
12	407	Tack Coat	15	Gal		
13	448	Asphalt Concrete Surface Course, Type 1, 2" inches thick	4	C.Y.		
14	557	8 inch Sanitary Sewer, VCP, Class 'B' Bedding	25	L.F.		
15	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	1	C.Y.		

BIDDING SCHEDULE FOR: Mud Run District I-I Repairs

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
16	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per plan	2	C.Y.		
17	604	Bank Run Gravel	45	C.Y.		
18	609	Engineered Geogrid for Trenches, Type TX160, as per plan	12	S.Y.		
19	609	Engineered Geogrid for Trenches, Type TX190, as per plan	7	S.Y.		
20	653	Topsoil, 4" Thick	38	S.Y.		
21	659	Seeding and Mulching	38	S.Y.		
22	SPEC	Bypass Pumping	1	L.S.		
Sht 6 - Jason Ave, Asset ID 412794						
23	202	Wearing Course Removed	117	S.Y.		
24	407	Tack Coat	23	Gal		
25	448	Asphalt Concrete Surface Course, Type 1, 2" inches thick	6	C.Y.		
26	557	8 inch Sanitary Sewer, VCP, Class 'B' Bedding	35	L.F.		
27	559	6 inch Pipe Reconnections	20	L.F.		
28	559	6 inch Long Radius 90° Pipe Bends	2	EACH		
29	559	6 inch 45° Pipe Bends	2	EACH		
30	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	1	C.Y.		
31	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per plan	3	C.Y.		
32	604	Bank Run Gravel	28	C.Y.		
33	SPEC	Engineered Geogrid for Trenches, Type TX160, as per plan	16	S.Y.		

BIDDING SCHEDULE FOR: Mud Run District I-I Repairs

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
34	SPEC	Engineered Geogrid for Trenches, Type TX190, as per plan	10	S.Y.		
35	SPEC	Bypass Pumping	1	L.S.		
Sht 7 - South Hawkins Ave, Asset ID 421219						
36	202	Wearing Course Removed	208	S.Y.		
37	407	Tack Coat	42	Gal		
38	448	Asphalt Concrete Surface Course, Type 1, 2" inches thick	12	C.Y.		
39	557	10 inch Sanitary Sewer, VCP, Class 'B' Bedding	100	L.F.		
40	559	6 inch Pipe Reconnections	10	L.F.		
41	559	6 inch Long Radius 90° Pipe Bends	1	EACH		
42	559	6 inch 45° Pipe Bends	1	EACH		
43	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	3	C.Y.		
44	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per plan	9	C.Y.		
45	604	Bank Run Gravel	105	C.Y.		
46	SPEC	Engineered Geogrid for Trenches, Type TX160, as per plan	48	S.Y.		
47	SPEC	Engineered Geogrid for Trenches, Type TX190, as per plan	31	S.Y.		
48	SPEC	Bypass Pumping	1	L.S.		
Sht 8 - 10th St, Asset ID 411166						
49	202	Wearing Course Removed	451	S.Y.		
50	407	Tack Coat	90	Gal		

BIDDING SCHEDULE FOR: Mud Run District I-I Repairs

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
51	448	Asphalt Concrete Surface Course, Type 1, 2" inches thick	25	C.Y.		
52	557	8 inch Sanitary Sewer	142	L.F.		
53	559	6 inch Pipe Reconnections	40	L.F.		
54	559	6 inch Long Radius 90° Pipe Bends	4	EACH		
55	559	6 inch 45° Pipe Bends	4	EACH		
56	562	Manhole MH-2A on 8-Inch Sanitary Sewer	1	EACH		
57	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	4	C.Y.		
58	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per plan	12	C.Y.		
59	604	Bank Run Gravel	112	C.Y.		
60	SPEC	Engineered Geogrid for Trenches, Type TX160, as per plan	66	S.Y.		
61	SPEC	Engineered Geogrid for Trenches, Type TX190, as per plan	42	S.Y.		
62	SPEC	Bypass Pumping	1	L.S.		
Sht 9 - 11th St, Asset IDs 755006 and 412271 (Partial)						
63	202	Wearing Course Removed	83	S.Y.		
64	202	Manhole Abandoned	2	EACH		
65	202	Pipe Abandoned, 8 Inch	348	L.F.		
66	254	8-Inch Ductile Iron Pipe with Protecto 401 Lining	14	L.F.		
67	407	Tack Coat	17	Gal		
68	448	Asphalt Concrete Surface Course, Type 1, 2" inches thick	5	C.Y.		

BIDDING SCHEDULE FOR: Mud Run District I-I Repairs

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
69	456	Concrete Apron, 6 Inches Thick	94	S.F.		
70	456	Concrete Walk, 4 Inches Thick	56	S.F.		
71	562	Manhole MH-2A on 8-Inch Sanitary Sewer	1	EACH		
72	562	Manhole MH-2A on 10-Inch Sanitary Sewer	1	EACH		
73	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	0.35	C.Y.		
74	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per plan	1	C.Y.		
75	604	Bank Run Gravel	14	C.Y.		
76	609	Engineered Geogrid for Trenches, Type TX160, as per plan	7	S.Y.		
77	609	Engineered Geogrid for Trenches, Type TX190, as per plan	4	S.Y.		
78	SPEC	10-Inch (O.D.) HDPE DR11 Piping	360	L.F.		
79	SPEC	Bypass Pumping	1	L.S.		
Sht 10 - 11th St, Asset ID 412271						
80	202	Wearing Course Removed	45	S.Y.		
81	202	Pipe Abandoned, 8 Inch	152	L.F.		
82	254	8-Inch Ductile Iron Pipe with Protecto 401 Lining	20	L.F.		
83	407	Tack Coat	9	Gal		
84	448	Asphalt Concrete Surface Course, Type 1, 2" inches thick	3	C.Y.		
85	562	Manhole MH-2A on 10-Inch Sanitary Sewer	1	EACH		
86	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	0.5	C.Y.		

BIDDING SCHEDULE FOR: Mud Run District I-I Repairs

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
87	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per plan	2	C.Y.		
88	604	Bank Run Gravel	20	C.Y.		
89	609	Engineered Geogrid for Trenches, Type TX160, as per plan	9	S.Y.		
90	609	Engineered Geogrid for Trenches, Type TX190, as per plan	6	S.Y.		
91	653	Topsoil, 4" Thick	40	S.Y.		
92	659	Seeding and Mulching	40	S.Y.		
93	SPEC	10-Inch (O.D.) HDPE DR11 Piping	135	L.F.		
94	SPEC	Bypass Pumping	1	L.S.		
Sht 11 - Polk Ave - Asset IDs 419328 and 419330 (Partial)						
95	202	Wearing Course Removed	1125	S.Y.		
96	407	Tack Coat	225	Gal		
97	448	Asphalt Concrete Surface Course, Type 1, 2" inches thick	63	C.Y.		
98	557	8 inch Sanitary Sewer	340	L.F.		
99	557	8 Inch Sanitary Sewer, VCP, Class 'B' Bedding	50	L.F.		
100	559	6 inch Pipe Reconnections	130	L.F.		
101	559	6 inch Long Radius 90° Pipe Bends	13	EACH		
102	559	6 inch 45° Pipe Bends	13	EACH		
103	562	Manhole MH-2A on 8-Inch Sanitary Sewer	1	EACH		
104	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	10	C.Y.		

BIDDING SCHEDULE FOR: Mud Run District I-I Repairs

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
105	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per plan	34	C.Y.		
106	604	Bank Run Gravel	309	C.Y.		
107	SPEC	Engineered Geogrid for Trenches, Type TX160, as per plan	181	S.Y.		
108	SPEC	Engineered Geogrid for Trenches, Type TX190, as per plan	116	S.Y.		
109	SPEC	Bypass Pumping	1	L.S.		
Sht 12 - Polk Ave, Asset ID 419330 (Partial)						
110	202	Wearing Course Removed	167	S.Y.		
111	407	Tack Coat	33	Gal		
112	448	Asphalt Concrete Surface Course, Type 1, 2" inches thick	9	C.Y.		
113	557	8 Inch Sanitary Sewer, VCP, Class 'B' Bedding	35	L.F.		
114	559	6 inch Pipe Reconnections	10	L.F.		
115	559	6 inch Long Radius 90° Pipe Bends	1	EACH		
116	559	6 inch 45° Pipe Bends	1	EACH		
117	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	1	C.Y.		
118	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per plan	3	C.Y.		
119	604	Bank Run Gravel	31	C.Y.		
120	SPEC	Engineered Geogrid for Trenches, Type TX160, as per plan	16	S.Y.		
121	SPEC	Engineered Geogrid for Trenches, Type TX190, as per plan	10	S.Y.		
122	SPEC	Bypass Pumping	1	L.S.		

BIDDING SCHEDULE FOR: Mud Run District I-I Repairs

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
Sht 13 - 11th St, Asset ID 419166						
123	202	Wearing Course Removed	1031	S.Y.		
124	407	Tack Coat	206	Gal		
125	448	Asphalt Concrete Surface Course, Type 1, 2" inches thick	57	C.Y.		
126	557	8 inch Sanitary Sewer	323	L.F.		
127	559	6 inch Pipe Reconnections	90	L.F.		
128	559	6 inch Long Radius 90° Pipe Bends	9	EACH		
129	559	6 inch 45° Pipe Bends	9	EACH		
130	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	8	C.Y.		
131	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per plan	28	C.Y.		
132	604	Bank Run Gravel	256	C.Y.		
133	SPEC	Engineered Geogrid for Trenches, Type TX160, as per plan	150	S.Y.		
134	SPEC	Engineered Geogrid for Trenches, Type TX190, as per plan	96	S.Y.		
135	SPEC	Bypass Pumping	1	L.S.		
Sht 14 - S Kenmore Alley, Asset ID 419017						
136	202	Wearing Course Removed	371	S.Y.		
137	407	Tack Coat	74	Gal		
138	448	Asphalt Concrete Surface Course, Type 1, 2" inches thick	21	C.Y.		
139	456	Concrete Apron, 6 Inches Thick	29	S.F.		

BIDDING SCHEDULE FOR: Mud Run District I-I Repairs

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
140	557	8 inch Sanitary Sewer	284	L.F.		
141	559	6 inch Pipe Reconnections	50	L.F.		
142	559	6 inch Long Radius 90° Pipe Bends	5	EACH		
143	559	6 inch 45° Pipe Bends	5	EACH		
144	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	7	C.Y.		
145	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per plan	25	C.Y.		
146	604	Bank Run Gravel	281	C.Y.		
147	SPEC	Engineered Geogrid for Trenches, Type TX160, as per plan	132	S.Y.		
148	SPEC	Engineered Geogrid for Trenches, Type TX190, as per plan	84	S.Y.		
149	SPEC	Bypass Pumping	1	L.S.		
Sht 15 - S Kenmore Alley, Asset IDs 404031, 420669, 420671, and 415908 (Partial)						
150	202	Wearing Course Removed	1088	S.Y.		
151	202	Manhole Removed	6	EACH		
152	202	Pipe Removed, 30-inch	350	L.F.		
153	407	Tack Coat	218	Gal		
154	448	Asphalt Concrete Surface Course, Type 1, 2" inches thick	60	C.Y.		
155	552	15-Inch Storm Sewer	38	L.F.		
156	552	30-Inch Storm Sewer	365	L.F.		
157	557	8 Inch Sanitary Sewer	84	L.F.		

BIDDING SCHEDULE FOR: Mud Run District I-I Repairs

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
158	557	10 inch Sanitary Sewer	311	L.F.		
159	557	10 Inch Sanitary Sewer, VCP, Class 'B' Bedding	25	L.F.		
160	559	6 inch Pipe Reconnections	90	L.F.		
161	559	6 inch Long Radius 90° Pipe Bends	9	EACH		
162	559	6 inch 45° Pipe Bends	9	EACH		
163	562	Manhole MH-2A on 10-Inch Sanitary Sewer	3	EACH		
164	562	Manhole MH 2B on 30-Inch Storm Sewer	5	EACH		
165	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	27	C.Y.		
166	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per plan	95	C.Y.		
167	604	Bank Run Gravel	980	C.Y.		
168	SPEC	Engineered Geogrid for Trenches, Type TX160, as per plan	464	S.Y.		
169	SPEC	Engineered Geogrid for Trenches, Type TX190, as per plan	327	S.Y.		
170	SPEC	Bypass Pumping	1	L.S.		
Sht 16 - S Kenmore Alley, Asset ID 415908 (Partial)						
171	202	Wearing Course Removed	833	S.Y.		
172	407	Tack Coat	167	Gal		
173	448	Asphalt Concrete Surface Course, Type 1, 2" inches thick	46	C.Y.		
174	552	12 Inch Storm Sewer	50	L.F.		
175	552	30 Inch Storm Sewer	274	L.F.		

BIDDING SCHEDULE FOR: Mud Run District I-I Repairs

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
176	557	8 inch Sanitary Sewer	237	L.F.		
177	559	6 inch Pipe Reconnections	100	L.F.		
178	559	6 inch Long Radius 90° Pipe Bends	10	EACH		
179	559	6 inch 45° Pipe Bends	10	EACH		
180	562	Manhole Reconstructed on 30 Inch Storm Sewer	2	EACH		
181	563	Inlet, No. 5	1	EACH		
182	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	19	C.Y.		
183	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per plan	65	C.Y.		
184	604	Bank Run Gravel	597	C.Y.		
185	SPEC	Engineered Geogrid for Trenches, Type TX160, as per plan	317	S.Y.		
186	SPEC	Engineered Geogrid for Trenches, Type TX190, as per plan	224	S.Y.		
187	SPEC	Bypass Pumping	1	L.S.		
Sht 17 - 10th St, Asset ID 412483						
188	202	Wearing Course Removed	1021	S.Y.		
189	407	Tack Coat	204	Gal		
190	448	Asphalt Concrete Surface Course, Type 1, 2" inches thick	57	C.Y.		
191	557	8 inch Sanitary Sewer	355	L.F.		
192	559	6 inch Pipe Reconnections	120	L.F.		
193	559	6 inch Long Radius 90° Pipe Bends	12	EACH		

BIDDING SCHEDULE FOR: Mud Run District I-I Repairs

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
194	559	6 inch 45° Pipe Bends	12	EACH		
195	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	9	C.Y.		
196	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per plan	31	C.Y.		
197	604	Bank Run Gravel	281	C.Y.		
198	SPEC	Engineered Geogrid for Trenches, Type TX160, as per plan	164	S.Y.		
199	SPEC	Engineered Geogrid for Trenches, Type TX190, as per plan	105	S.Y.		
200	SPEC	Bypass Pumping	1	L.S.		
Sht 18 - Iona Ave, Asset ID 419600						
201	557	18 inch Sanitary Sewer, VCP, Class 'A' Bedding	25	L.F.		
202	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	1	C.Y.		
203	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per plan	3	C.Y.		
204	604	Bank Run Gravel	36	C.Y.		
205	653	Topsoil, 4" Thick	10	S.Y.		
206	659	Seeding and Mulching	10	S.Y.		
207	SPEC	Engineered Geogrid for Trenches, Type TX160, as per plan	14	S.Y.		
208	SPEC	Engineered Geogrid for Trenches, Type TX190, as per plan	10	S.Y.		
209	SPEC	Bypass Pumping	1	L.S.		
Sht 19 - Anna Ave, Asset ID 421122						
210	557	8 inch Sanitary Sewer, VCP, Class 'B' Bedding	50	L.F.		

BIDDING SCHEDULE FOR: Mud Run District I-I Repairs

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
211	559	6 inch Pipe Reconnections	50	L.F.		
212	559	6 inch Long Radius 90° Pipe Bends	5	EACH		
213	559	6 inch 45° Pipe Bends	5	EACH		
214	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	1	C.Y.		
215	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per plan	4	C.Y.		
216	604	Bank Run Gravel	45	C.Y.		
217	653	Topsoil, 4" Thick	15	S.Y.		
218	659	Seeding and Mulching	15	S.Y.		
219	SPEC	Engineered Geogrid for Trenches, Type TX160, as per plan	23	S.Y.		
220	SPEC	Engineered Geogrid for Trenches, Type TX190, as per plan	15	S.Y.		
221	SPEC	Bypass Pumping	1	L.S.		
Sht 20 - Anna Ave, Asset IDs 403442 and 420939						
222	202	Wearing Course Removed	330	S.Y.		
223	407	Tack Coat	66	Gal		
224	448	Asphalt Concrete Surface Course, Type 1, 2" inches thick	18	C.Y.		
225	557	8 inch Sanitary Sewer, VCP, Class 'B' Bedding	104	L.F.		
226	559	6 inch Pipe Reconnections	30	L.F.		
227	559	6 inch Long Radius 90° Pipe Bends	3	EACH		
228	559	6 inch 45° Pipe Bends	3	EACH		

BIDDING SCHEDULE FOR: Mud Run District I-I Repairs

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
229	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	3	C.Y.		
230	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per plan	9	C.Y.		
231	604	Bank Run Gravel	82	C.Y.		
232	SPEC	Engineered Geogrid for Trenches, Type TX160, as per plan	48	S.Y.		
233	SPEC	Engineered Geogrid for Trenches, Type TX190, as per plan	31	S.Y.		
234	SPEC	Bypass Pumping	1	L.S.		
Sht 21 - Harpster Ave, Asset ID 412729						
235	202	Wearing Course Removed	95	S.Y.		
236	407	Tack Coat	19	Gal		
237	448	Asphalt Concrete Surface Course, Type 1, 2" inches thick	5	C.Y.		
238	557	8 inch Sanitary Sewer, VCP, Class 'B' Bedding	30	L.F.		
239	559	6 inch Pipe Reconnections	10	L.F.		
240	559	6 inch Long Radius 90° Pipe Bends	1	EACH		
241	559	6 inch 45° Pipe Bends	1	EACH		
242	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	1	C.Y.		
243	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per plan	3	C.Y.		
244	604	Bank Run Gravel	24	C.Y.		
245	SPEC	Engineered Geogrid for Trenches, Type TX160, as per plan	14	S.Y.		
246	SPEC	Engineered Geogrid for Trenches, Type TX190, as per plan	9	S.Y.		

BIDDING SCHEDULE FOR: Mud Run District I-I Repairs

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
247	SPEC	Bypass Pumping	1	L.S.		
Sht 22 - East Ave, Asset IDs 412723 and 412725						
248	202	Wearing Course Removed	1729	S.Y.		
249	407	Tack Coat	346	Gal		
250	448	Asphalt Concrete Surface Course, Type 1, 2" inches thick	96	C.Y.		
251	557	8 inch Sanitary Sewer	97	L.F.		
252	557	10 inch Sanitary Sewer	321	L.F.		
253	559	6 inch Pipe Reconnections	130	L.F.		
254	559	6 inch Long Radius 90° Pipe Bends	13	EACH		
255	559	6 inch 45° Pipe Bends	13	EACH		
256	562	Manhole MH-2A on 8-Inch Sanitary Sewer	1	EACH		
257	562	Manhole MH-2A on 10-Inch Sanitary Sewer	1	EACH		
258	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	11	C.Y.		
259	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per plan	38	C.Y.		
260	604	Bank Run Gravel	346	C.Y.		
261	SPEC	Engineered Geogrid for Trenches, Type TX160, as per plan	199	S.Y.		
262	SPEC	Engineered Geogrid for Trenches, Type TX190, as per plan	130	S.Y.		
263	SPEC	Bypass Pumping	1	L.S.		
Sht 23 - Harpster Ave, Asset ID 415442						

BIDDING SCHEDULE FOR: Mud Run District I-I Repairs

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
264	202	Wearing Course Removed	1010	S.Y.		
265	407	Tack Coat	202	Gal		
266	448	Asphalt Concrete Surface Course, Type 1, 2" inches thick	56	C.Y.		
267	557	8 inch Sanitary Sewer	378	L.F.		
268	559	6 inch Pipe Reconnections	100	L.F.		
269	559	6 inch Long Radius 90° Pipe Bends	10	EACH		
270	559	6 inch 45° Pipe Bends	10	EACH		
271	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	9	C.Y.		
272	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per plan	33	C.Y.		
273	604	Bank Run Gravel	299	C.Y.		
274	SPEC	Engineered Geogrid for Trenches, Type TX160, as per plan	175	S.Y.		
275	SPEC	Engineered Geogrid for Trenches, Type TX190, as per plan	112	S.Y.		
276	SPEC	Bypass Pumping	1	L.S.		
Sht 24 - Harpster Ave, Asset IDs 411311 and 411313						
277	202	Wearing Course Removed	979	S.Y.		
278	407	Tack Coat	196	Gal		
279	448	Asphalt Concrete Surface Course, Type 1, 2" inches thick	54	C.Y.		
280	557	8 inch Sanitary Sewer, VCP, Class 'B' Bedding	50	L.F.		
281	557	8 Inch Sanitary Sewer	262	L.F.		

BIDDING SCHEDULE FOR: Mud Run District I-I Repairs

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
282	559	6 inch Pipe Reconnections	70	L.F.		
283	559	6 inch Long Radius 90° Pipe Bends	7	EACH		
284	559	6 inch 45° Pipe Bends	7	EACH		
285	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	8	C.Y.		
286	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per plan	27	C.Y.		
287	604	Bank Run Gravel	277	C.Y.		
288	SPEC	Engineered Geogrid for Trenches, Type TX160, as per plan	144	S.Y.		
289	SPEC	Engineered Geogrid for Trenches, Type TX190, as per plan	92	S.Y.		
290	SPEC	Bypass Pumping	1	L.S.		
Sht 25 - Florida Ave, Asset IDs 415868 and 415869						
291	202	Wearing Course Removed	409	S.Y.		
292	407	Tack Coat	82	Gal		
293	448	Asphalt Concrete Surface Course, Type 1, 2" inches thick	23	C.Y.		
294	557	8 inch Sanitary Sewer, VCP, Class 'B' Bedding	160	L.F.		
295	559	6 inch Pipe Reconnections	50	L.F.		
296	559	6 inch Long Radius 90° Pipe Bends	5	EACH		
297	559	6 inch 45° Pipe Bends	5	EACH		
298	562	Manhole MH-2A on 8-Inch Sanitary Sewer	1	EACH		
299	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	4	C.Y.		

BIDDING SCHEDULE FOR: Mud Run District I-I Repairs

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
300	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per plan	14	C.Y.		
301	604	Bank Run Gravel	95	C.Y.		
302	653	Topsoil, 4" Thick	47	S.Y.		
303	659	Seeding and Mulching	47	S.Y.		
304	SPEC	Engineered Geogrid for Trenches, Type TX160, as per plan	74	S.Y.		
305	SPEC	Engineered Geogrid for Trenches, Type TX190, as per plan	47	S.Y.		
306	SPEC	Bypass Pumping	1	L.S.		
Sht 26 - Florida Ave, Asset ID 421059						
307	202	Wearing Course Removed	868	S.Y.		
308	407	Tack Coat	174	Gal		
309	448	Asphalt Concrete Surface Course, Type 1, 2" inches thick	48	C.Y.		
310	557	8 inch Sanitary Sewer, VCP, Class 'B' Bedding	300	L.F.		
311	559	6 inch Pipe Reconnections	120	L.F.		
312	559	6 inch Long Radius 90° Pipe Bends	12	EACH		
313	559	6 inch 45° Pipe Bends	12	EACH		
314	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	7	C.Y.		
315	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per plan	26	C.Y.		
316	604	Bank Run Gravel	237	C.Y.		
317	SPEC	Engineered Geogrid for Trenches, Type TX160, as per plan	139	S.Y.		

BIDDING SCHEDULE FOR: Mud Run District I-I Repairs

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
318	SPEC	Engineered Geogrid for Trenches, Type TX190, as per plan	89	S.Y.		
319	SPEC	Bypass Pumping	1	L.S.		
Sht 27 - East Ave, Asset ID 404793						
320	202	Wearing Course Removed	222	S.Y.		
321	407	Tack Coat	44	Gal		
322	448	Asphalt Concrete Surface Course, Type 1, 2" inches thick	12	C.Y.		
323	557	12 inch Sanitary Sewer, VCP, Class 'B' Bedding	85	L.F.		
324	559	6 inch Pipe Reconnections	20	L.F.		
325	559	6 inch Long Radius 90° Pipe Bends	2	EACH		
326	559	6 inch 45° Pipe Bends	2	EACH		
327	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	2	C.Y.		
328	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per plan	8	C.Y.		
329	604	Bank Run Gravel	76	C.Y.		
330	SPEC	Engineered Geogrid for Trenches, Type TX160, as per plan	43	S.Y.		
331	SPEC	Engineered Geogrid for Trenches, Type TX190, as per plan	28	S.Y.		
332	SPEC	Bypass Pumping	1	L.S.		
Sht 28 - Fowler Ave, Asset ID 411362						
333	202	Wearing Course Removed	594	S.Y.		
334	407	Tack Coat	119	Gal		

BIDDING SCHEDULE FOR: Mud Run District I-I Repairs

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
335	448	Asphalt Concrete Surface Course, Type 1, 2" inches thick	33	C.Y.		
336	557	8 inch Sanitary Sewer	250	L.F.		
337	559	6 inch Pipe Reconnections	130	L.F.		
338	559	6 inch Long Radius 90° Pipe Bends	13	EACH		
339	559	6 inch 45° Pipe Bends	13	EACH		
340	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	6	C.Y.		
341	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per plan	22	C.Y.		
342	604	Bank Run Gravel	223	C.Y.		
343	SPEC	Engineered Geogrid for Trenches, Type TX160, as per plan	116	S.Y.		
344	SPEC	Engineered Geogrid for Trenches, Type TX190, as per plan	74	S.Y.		
345	SPEC	Bypass Pumping	1	L.S.		
Sht 29 - East Ave, Asset ID 407167						
346	202	Wearing Course Removed	311	S.Y.		
347	407	Tack Coat	62	Gal		
348	448	Asphalt Concrete Surface Course, Type 1, 2" inches thick	17	C.Y.		
349	557	12 inch Sanitary Sewer, VCP, Class 'B' Bedding	60	L.F.		
350	559	6 inch Pipe Reconnections	10	L.F.		
351	559	6 inch Long Radius 90° Pipe Bends	1	EACH		
352	559	6 inch 45° Pipe Bends	1	EACH		

BIDDING SCHEDULE FOR: Mud Run District I-I Repairs

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
353	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	2	C.Y.		
354	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per plan	6	C.Y.		
355	604	Bank Run Gravel	60	C.Y.		
356	SPEC	Engineered Geogrid for Trenches, Type TX160, as per plan	30	S.Y.		
357	SPEC	Engineered Geogrid for Trenches, Type TX190, as per plan	3	S.Y.		
358	SPEC	Bypass Pumping	1	L.S.		
Sht 30 - Kentucky Ave, Asset ID 397526						
359	202	Wearing Course Removed	88	S.Y.		
360	407	Tack Coat	18	Gal		
361	448	Asphalt Concrete Surface Course, Type 1, 2" inches thick	5	C.Y.		
362	455	Combination Curb and Gutter	18	L.F.		
363	557	8 inch Sanitary Sewer, VCP, Class 'B' Bedding	60	L.F.		
364	559	6 inch Pipe Reconnections	10	L.F.		
365	559	6 inch Long Radius 90° Pipe Bends	1	EACH		
366	559	6 inch 45° Pipe Bends	1	EACH		
367	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	1	C.Y.		
368	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per plan	5	C.Y.		
369	604	Bank Run Gravel	83	C.Y.		
370	SPEC	Engineered Geogrid for Trenches, Type TX160, as per plan	28	S.Y.		

BIDDING SCHEDULE FOR: Mud Run District I-I Repairs

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
371	SPEC	Engineered Geogrid for Trenches, Type TX190, as per plan	18	S.Y.		
372	SPEC	Bypass Pumping	1	L.S.		
Sht 31 - California Ave, Asset ID 407151						
373	202	Wearing Course Removed	539	S.Y.		
374	407	Tack Coat	108	Gal		
375	448	Asphalt Concrete Surface Course, Type 1, 2" inches thick	30	C.Y.		
376	557	12 inch Sanitary Sewer	200	L.F.		
377	559	6 inch Pipe Reconnections	40	L.F.		
378	559	6 inch Long Radius 90° Pipe Bends	4	EACH		
379	559	6 inch 45° Pipe Bends	4	EACH		
380	562	Manhole MH-2A on 12-Inch Sanitary Sewer	1	EACH		
381	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	6	C.Y.		
382	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per plan	19	C.Y.		
383	604	Bank Run Gravel	333	C.Y.		
384	SPEC	Engineered Geogrid for Trenches, Type TX160, as per plan	100	S.Y.		
385	SPEC	Engineered Geogrid for Trenches, Type TX190, as per plan	67	S.Y.		
386	SPEC	Bypass Pumping	1	L.S.		
Sht 32 - California Ave, Asset IDs 411904 and 411906						
387	202	Wearing Course Removed	396	S.Y.		

BIDDING SCHEDULE FOR: Mud Run District I-I Repairs

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
388	407	Tack Coat	79	Gal		
389	448	Asphalt Concrete Surface Course, Type 1, 2" inches thick	22	C.Y.		
390	557	24 inch Sanitary Sewer, VCP, Class 'B' Bedding	100	L.F.		
391	559	6 inch Pipe Reconnections	30	L.F.		
392	559	6 inch Long Radius 90° Pipe Bends	3	EACH		
393	559	6 inch 45° Pipe Bends	3	EACH		
394	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	4	C.Y.		
395	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per plan	13	C.Y.		
396	604	Bank Run Gravel	267	C.Y.		
397	SPEC	Engineered Geogrid for Trenches, Type TX160, as per plan	61	S.Y.		
398	SPEC	Engineered Geogrid for Trenches, Type TX190, as per plan	44	S.Y.		
399	SPEC	Bypass Pumping	1	L.S.		
Sht 33 - California Ave, Asset ID 421044						
400	202	Wearing Course Removed	292	S.Y.		
401	407	Tack Coat	58	Gal		
402	448	Asphalt Concrete Surface Course, Type 1, 2" inches thick	16	C.Y.		
403	557	21 inch Sanitary Sewer, VCP, Class 'B' Bedding	85	L.F.		
404	559	6 inch Pipe Reconnections	20	L.F.		
405	559	6 inch Long Radius 90° Pipe Bends	2	EACH		

BIDDING SCHEDULE FOR: Mud Run District I-I Repairs

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
406	559	6 inch 45° Pipe Bends	2	EACH		
407	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	3	C.Y.		
408	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per plan	10	C.Y.		
409	604	Bank Run Gravel	189	C.Y.		
410	SPEC	Engineered Geogrid for Trenches, Type TX160, as per plan	50	S.Y.		
411	SPEC	Engineered Geogrid for Trenches, Type TX190, as per plan	35	S.Y.		
412	SPEC	Bypass Pumping	1	L.S.		
Sht 34 - 31st St, Asset ID 411881						
413	202	Wearing Course Removed	56	S.Y.		
414	407	Tack Coat	11	Gal		
415	448	Asphalt Concrete Surface Course, Type 1, 2" inches thick	3	C.Y.		
416	557	8 inch Sanitary Sewer, VCP, Class 'B' Bedding	40	L.F.		
417	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	1	C.Y.		
418	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per plan	3	C.Y.		
419	604	Bank Run Gravel	47	C.Y.		
420	653	Topsoil, 4" Thick	33	S.Y.		
421	659	Seeding and Mulching	33	S.Y.		
422	SPEC	Engineered Geogrid for Trenches, Type TX160, as per plan	19	S.Y.		
423	SPEC	Engineered Geogrid for Trenches, Type TX190, as per plan	12	S.Y.		

BIDDING SCHEDULE FOR: Mud Run District I-I Repairs

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
424	SPEC	Bypass Pumping	1	L.S.		
Sht 35 - 31st St, Asset ID 421028						
425	202	Wearing Course Removed	204	S.Y.		
426	202	Wet Well Abandoned	1	L.S.		
427	407	Tack Coat	41	Gal		
428	448	Asphalt Concrete Surface Course, Type 1, 2" inches thick	11	C.Y.		
429	557	8 inch Sanitary Sewer, PVC Truss, Class 'NR' Bedding	80	L.F.		
430	559	6 inch Pipe Reconnections	10	L.F.		
431	559	6 inch Long Radius 90° Pipe Bends	1	EACH		
432	559	6 inch 45° Pipe Bends	1	EACH		
433	562	Manhole MH-2A on 8-Inch Sanitary Sewer	1	EACH		
434	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	2	C.Y.		
435	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per plan	7	C.Y.		
436	604	Bank Run Gravel	47	C.Y.		
437	SPEC	Engineered Geogrid for Trenches, Type TX160, as per plan	37	S.Y.		
438	SPEC	Engineered Geogrid for Trenches, Type TX190, as per plan	24	S.Y.		
439	SPEC	Bypass Pumping	1	L.S.		
Sht 36 - Waterloo Rd, Asset IDs 413320 and 413322 (Partial)						
440	202	Wearing Course Removed	264	S.Y.		

BIDDING SCHEDULE FOR: Mud Run District I-I Repairs

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
441	407	Tack Coat	53	Gal		
442	448	Asphalt Concrete Surface Course, Type 1, 2" inches thick	15	C.Y.		
443	557	21 inch Sanitary Sewer	399	L.F.		
444	559	6 inch Pipe Reconnections	150	L.F.		
445	559	6 inch Long Radius 90° Pipe Bends	15	EACH		
446	559	6 inch 45° Pipe Bends	15	EACH		
447	562	Manhole MH-2B on 21-Inch Sanitary Sewer	1	EACH		
448	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	14	C.Y.		
449	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per plan	52	C.Y.		
450	604	Bank Run Gravel	998	C.Y.		
451	653	Topsoil, 4" Thick	444	S.Y.		
452	659	Seeding and Mulching	444	S.Y.		
453	SPEC	Engineered Geogrid for Trenches, Type TX160, as per plan	233	S.Y.		
454	SPEC	Engineered Geogrid for Trenches, Type TX190, as per plan	166	S.Y.		
455	SPEC	Bypass Pumping	1	L.S.		
Sht 37 - Waterloo Road, Asset IDs 413322 (Partial), 413324, 418520, 416042, 413318 (Partial), 414764 (Partial), and 414758 (Partial)						
456	202	Wearing Course Removed	717	S.Y.		
457	202	Pipe Abandoned, 8 Inch	263	L.F.		
458	407	Tack Coat	143	Gal		

BIDDING SCHEDULE FOR: Mud Run District I-I Repairs

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
459	448	Asphalt Concrete Surface Course, Type 1, 2" inches thick	40	C.Y.		
460	557	21 inch Sanitary Sewer	510	L.F.		
461	559	6 inch Pipe Reconnections	160	L.F.		
462	559	6 inch Long Radius 90° Pipe Bends	13	EACH		
463	559	6 inch 45° Pipe Bends	13	EACH		
464	562	Manhole MH-2B on 21-Inch Sanitary Sewer	4	EACH		
465	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	18	C.Y.		
466	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per plan	62	C.Y.		
467	604	Bank Run Gravel	1204	C.Y.		
468	653	Topsoil, 4" Thick	617	S.Y.		
469	659	Seeding and Mulching	617	S.Y.		
470	SPEC	Engineered Geogrid for Trenches, Type TX160, as per plan	298	S.Y.		
471	SPEC	Engineered Geogrid for Trenches, Type TX190, as per plan	213	S.Y.		
472	SPEC	Bypass Pumping	1	L.S.		
473	SPEC	Coordination with Utilities	1	L.S.		
Sht 38 - Waterloo Road, Asset IDs 413318 (Partial), 413316, 414762, 414764 (Partial) and 414758 (Partial)						
474	202	Wearing Course Removed	1001	S.Y.		
475	202	Pipe Abandoned, 8 Inch	587	L.F.		
476	202	Manhole Abandoned	3	EACH		

BIDDING SCHEDULE FOR: Mud Run District I-I Repairs

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
477	407	Tack Coat	200	Gal		
478	448	Asphalt Concrete Surface Course, Type 1, 2" inches thick	56	C.Y.		
479	557	21 inch Sanitary Sewer	346	L.F.		
480	559	6 inch Pipe Reconnections	160	L.F.		
481	559	6 inch Long Radius 90° Pipe Bends	8	EACH		
482	559	6 inch 45° Pipe Bends	8	EACH		
483	562	Manhole MH-2B on 21-Inch Sanitary Sewer	2	EACH		
484	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	9	C.Y.		
485	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per plan	30	C.Y.		
486	604	Bank Run Gravel	410	C.Y.		
487	SPEC	Engineered Geogrid for Trenches, Type TX160, as per plan	160	S.Y.		
488	SPEC	Engineered Geogrid for Trenches, Type TX190, as per plan	103	S.Y.		
489	SPEC	Bypass Pumping	1	L.S.		
Sht 39 - Cordelia Ave, Asset ID 397445						
490	202	Wearing Course Removed	294	S.Y.		
491	407	Tack Coat	59	Gal		
492	448	Asphalt Concrete Surface Course, Type 1, 2" inches thick	16	C.Y.		
493	456	Concrete Walk, 4 Inches Thick	150	S.F.		
494	557	8 inch Sanitary Sewer	270	L.F.		

BIDDING SCHEDULE FOR: Mud Run District I-I Repairs

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
495	603	Aggregate Refill, Type 1, #57 Limestone, as per plan	7	C.Y.		
496	603	Aggregate Refill, Type 2, #1 & #2 Limestone, as per plan	23	C.Y.		
497	604	Bank Run Gravel	213	C.Y.		
498	653	Topsoil, 4" Thick	292	S.Y.		
499	659	Seeding and Mulching	292	S.Y.		
500	SPEC	Engineered Geogrid for Trenches, Type TX160, as per plan	125	S.Y.		
501	SPEC	Engineered Geogrid for Trenches, Type TX190, as per plan	80	S.Y.		
502	SPEC	Bypass Pumping	1	L.S.		
503	SPEC	Coordination with Utilities	1	L.S.		
UNOFFICIAL CONSTRUCTION COST:						
PLEASE COMPLETE THE PROPOSAL FORMS BOUND HEREIN AND SUBMIT THE ENTIRE BOOK. DO NOT REMOVE ANY PAGES. ALL ERASURES MUST BE INITIALED AND DATED BY THE BIDDER.						

DENOTES LUMP SUM - UNIT PRICE
NEED NOT BE COMPLETED

BIDDING SCHEDULE CONTINUED ON NEXT PAGE

CITY OF AKRON
DEPARTMENT OF PUBLIC SERVICE, BUREAU OF ENGINEERING
ENGINEER'S ESTIMATE

ESTIMATE NO. _____ PROJECT _____
DATE _____ CONTRACTOR _____
CODE _____
FINANCE DEPT. NO. _____

REF. NO.	ITEM NO.	DESCRIPTION	ESTIMATE QUANTITY	UNIT	ACTUAL QUANTITY	UNIT PRICE	COMPLETE TO DATE
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CITY OF AKRON
DEPARTMENT OF PUBLIC SERVICE, BUREAU OF ENGINEERING
ENGINEER'S ESTIMATE

ESTIMATE NO. _____ PROJECT _____
DATE _____ CONTRACTOR _____
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REF. NO.	ITEM NO.	DESCRIPTION	ESTIMATE QUANTITY	UNIT	ACTUAL QUANTITY	UNIT PRICE	COMPLETE TO DATE
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**CITY OF AKRON
DEPARTMENT OF PUBLIC SERVICE, BUREAU OF ENGINEERING
ENGINEER'S ESTIMATE**

ESTIMATE NO. _____ PROJECT _____
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REF. NO.	ITEM NO.	DESCRIPTION	ESTIMATE QUANTITY	UNIT	ACTUAL QUANTITY	UNIT PRICE	COMPLETE TO DATE
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This is to certify that the work as listed above has been completed in accordance with the contract documents, that all items are paid for which previous certificates for payment were issued and payments received, and that the current payment is now due.

TOTAL COMPLETED TO DATE _____
 STORED MATERIALS _____
 TOTAL COMPLETED & STORED _____
 LESS _____ RETAINAGE _____
 TOTAL EARNED LESS RETAINAGE _____
 LESS PREVIOUS PAYMENTS _____
 LESS ADDITIONAL DEDUCTIONS _____
 CURRENT PAYMENT DUE _____

CONTRACTOR: _____

BY: _____

APPROVED: _____
 CONSTRUCTION ENGINEER

DATE: _____

PAYROLLS REVIEWED/QUANTITIES CHECKED BY:

_____ PROJECT MANAGER

APPROVED: _____
 CITY ENGINEER

DATE: _____

DATE OF PROJECT WORK ACCEPTANCE _____