

ITEM	QUANTITY	UNIT	ITEM DESCRIPTION	UNIT PRICE
MOBILIZATION/DEMOBILIZATION				
1	< 100K Work Order	% of Work Order	For Bidding Purposes (4% x \$50,000). Enter Amount in Cost Column.	
2	> 100K Work Order	% of Work Order	For Bidding Purposes (2% x \$200,000). Enter Amount in Cost Column.	
GENERAL CONDITIONS/INSURANCES/BONDS, ETC.				
3	< 100K Work Order	% of Work Order	For Bidding Purposes (4% x \$50,000). Enter Amount in Cost Column.	
4	> 100K Work Order	% of Work Order	For Bidding Purposes (2% x \$200,000). Enter Amount in Cost Column.	
TRAFFIC CONTROL ITEMS				
5	1	Each/Day	Type I Barricade	
6	1	Each/Day	Type II Barricade	
7	1	Each/Day	Plastic Drum	
8	1	Each/Day	12" A-Frame Panel	
9	1	Each/Day	Type III Barricade	
10	1	Each/Day	Type G Warning Sign	
11	1	Each/Day	Type M Warning Sign	
12	1	Each/Day	Type R Warning Sign	
13	1	Each/Day	Type W Warning Sign	
14	1	Each/Day	Type MOT Warning Sign	
15	1	Each/Day	Variable Message Board	
16	1	LF	Orange Plastic Construction Fencing (including posts)	
STORM SEWER ITEMS				

0 - 8' Depth			
17	Less than 100	LF	15" RCP Class III
18	Less than 100	LF	18" RCP Class III
19	Less than 100	LF	24" RCP Class III
20	Less than 100	LF	30" RCP Class III
21	Less than 100	LF	36" RCP Class III
22	Less than 100	LF	42" RCP Class III
23	Less than 100	LF	48" RCP Class III
24	Less than 100	LF	54" RCP Class III
8.1' - 12' Depth			
25	Less than 100	LF	15" RCP Class III
26	Less than 100	LF	18" RCP Class III
27	Less than 100	LF	24" RCP Class III
28	Less than 100	LF	30" RCP Class III
29	Less than 100	LF	36" RCP Class III
30	Less than 100	LF	42" RCP Class III
31	Less than 100	LF	48" RCP Class III
32	Less than 100	LF	54" RCP Class III
12.1' - 16' Depth			
33	Less than 100	LF	15" RCP Class III

34	Less than 100	LF	18" RCP Class III	
35	Less than 100	LF	24" RCP Class III	
36	Less than 100	LF	30" RCP Class III	
37	Less than 100	LF	36" RCP Class III	
38	Less than 100	LF	42" RCP Class III	
39	Less than 100	LF	48" RCP Class III	
40	Less than 100	LF	54" RCP Class III	
0 - 8' Depth				
41	More than 100	LF	15" RCP Class III	
42	More than 100	LF	18" RCP Class III	
43	More than 100	LF	24" RCP Class III	
44	More than 100	LF	30" RCP Class III	
45	More than 100	LF	36" RCP Class III	
46	More than 100	LF	42" RCP Class III	
47	More than 100	LF	48" RCP Class III	
48	More than 100	LF	54" RCP Class III	
8.1' - 12' Depth				
49	More than 100	LF	15" RCP Class III	
50	More than 100	LF	18" RCP Class III	
51	More than 100	LF	24" RCP Class III	

52	More than 100	LF	30" RCP Class III	
53	More than 100	LF	36" RCP Class III	
54	More than 100	LF	42" RCP Class III	
55	More than 100	LF	48" RCP Class III	
56	More than 100	LF	54" RCP Class III	
12.1' - 16' Depth				
57	More than 100	LF	15" RCP Class III	
58	More than 100	LF	18" RCP Class III	
59	More than 100	LF	24" RCP Class III	
60	More than 100	LF	30" RCP Class III	
61	More than 100	LF	36" RCP Class III	
62	More than 100	LF	42" RCP Class III	
63	More than 100	LF	48" RCP Class III	
64	More than 100	LF	54" RCP Class III	
0 - 8' Depth				
65	1	EA	Curb Inlet Type P-1	
66	1	EA	Curb Inlet Type P-2	
67	1	EA	Curb Inlet Type P-3	
68	1	EA	Curb Inlet Type P-4	
69	1	EA	Curb Inlet Type P-5	

70	1	EA	Curb Inlet Type P-6	
71	1	EA	Ditch Bottom Inlet Type C	
72	1	EA	Ditch Bottom Inlet Type D	
73	1	EA	Ditch Bottom Inlet Type E	
74	1	EA	Ditch Bottom Inlet Type H	
75	1	EA	Gutter Inlet Type V	
76	1	EA	Manhole Type P8	
77	1	EA	Manhole Type J8	
8.1' - 16' Depth				
78	1	EA	Curb Inlet Type P-1	
79	1	EA	Curb Inlet Type P-2	
80	1	EA	Curb Inlet Type P-3	
81	1	EA	Curb Inlet Type P-4	
82	1	EA	Curb Inlet Type P-5	
83	1	EA	Curb Inlet Type P-6	
84	1	EA	Ditch Bottom Inlet Type C	
85	1	EA	Ditch Bottom Inlet Type D	
86	1	EA	Ditch Bottom Inlet Type E	
87	1	EA	Ditch Bottom Inlet Type H	
88	1	EA	4" Core Bore Manhole	

89	1	EA	6" Core Bore Manhole	
90	1	EA	8" Core Bore Manhole	
91	1	EA	12" Core Bore Manhole	
92	1	EA	12" Yard Drain	
93	1	EA	18" Yard Drain	
94	1	EA	24" Yard Drain	
95	1	EA	Gutter Inlet Type V	
96	1	EA	Manhole Type P7T	
97	1	EA	Manhole Type J7T	
98	1	EA	Adjust Storm Manhole Ring	
99	10-Jan	CY	Class I Concrete (endwall)	
100	1	EA	Class I Concrete (weir)	
101	10-Jan	CY	Class I Concrete MES	
0 - 8' Depth				
102	Less than 100	LF	8" HDPE Pipe (HP) with Class II Backfill	
103	Less than 100	LF	10" HDPE Pipe (HP) with Class II Backfill	
104	Less than 100	LF	12" HDPP Pipe (HP) with Class I Backfill	
105	Less than 100	LF	15" HDPP Pipe (HP) with Class I Backfill	
106	Less than 100	LF	18" HDPP Pipe (HP) with Class I Backfill	
107	Less than 100	LF	24" HDPP Pipe (HP) with Class I Backfill	

108	Less than 100	LF	30" HDPP Pipe (HP) with Class I Backfill	
109	Less than 100	LF	36" HDPP Pipe (HP) with Class I Backfill	
110	Less than 100	LF	42" HDPP Pipe (HP) with Class I Backfill	
111	Less than 100	LF	48" HDPP Pipe (HP) with Class I Backfill	
8.1' - 12' Depth				
112	Less than 100	LF	8" HDEP Pipe (HP) with Class II Backfill	
113	Less than 100	LF	10" HDPE Pipe (HP) with Class II Backfill	
114	Less than 100	LF	12" HDPP Pipe (HP) with Class I Backfill	
115	Less than 100	LF	15" HDPP Pipe (HP) with Class I Backfill	
116	Less than 100	LF	18" HDPP Pipe (HP) with Class I Backfill	
117	Less than 100	LF	24" HDPP Pipe (HP) with Class I Backfill	
118	Less than 100	LF	30" HDPP Pipe (HP) with Class I Backfill	
119	Less than 100	LF	36" HDPP Pipe (HP) with Class I Backfill	
120	Less than 100	LF	42" HDPP Pipe (HP) with Class I Backfill	
121	Less than 100	LF	48" HDPP Pipe (HP) with Class I Backfill	
12.1' - 16' Depth				
122	Less than 100	LF	8" HDPE Pipe (HP) with Class II Backfill	
123	Less than 100	LF	10" HDPE Pipe (HP) with Class II Backfill	
124	Less than 100	LF	12" HDPP Pipe (HP) with Class I Backfill	
125	Less than 100	LF	15" HDPP Pipe (HP) with Class I Backfill	

126	Less than 100	LF	18" HDPP Pipe (HP) with Class I Backfill	
127	Less than 100	LF	24" HDPP Pipe (HP) with Class I Backfill	
128	Less than 100	LF	30" HDPP Pipe (HP) with Class I Backfill	
129	Less than 100	LF	36" HDPP Pipe (HP) with Class I Backfill	
130	Less than 100	LF	42" HDPP Pipe (HP) with Class I Backfill	
131	Less than 100	LF	48" HDPP Pipe (HP) with Class I Backfill	
0 - 8' Depth				
132	More than 100	LF	8" HDPE Pipe (HP) with Class II Backfill	
133	More than 100	LF	10" HDPE Pipe (HP) with Class II Backfill	
134	More than 100	LF	12" HDPP Pipe (HP) with Class I Backfill	
135	More than 100	LF	15" HDPP Pipe (HP) with Class I Backfill	
136	More than 100	LF	18" HDPP Pipe (HP) with Class I Backfill	
137	More than 100	LF	24" HDPP Pipe (HP) with Class I Backfill	
138	More than 100	LF	30" HDPP Pipe (HP) with Class I Backfill	
139	More than 100	LF	36" HDPP Pipe (HP) with Class I Backfill	
140	More than 100	LF	42" HDPP Pipe (HP) with Class I Backfill	
141	More than 100	LF	48" HDPP Pipe (HP) with Class I Backfill	
8.1' - 12' Depth				
142	More than 100	LF	8" HDPE Pipe (HP) with Class II Backfill	
143	More than 100	LF	10" HDPE Pipe (HP) with Class II Backfill	

144	More than 100	LF	12" HDPP Pipe (HP) with Class I Backfill	
145	More than 100	LF	15" HDPP Pipe (HP) with Class I Backfill	
146	More than 100	LF	18" HDPP Pipe (HP) with Class I Backfill	
147	More than 100	LF	24" HDPP Pipe (HP) with Class I Backfill	
148	More than 100	LF	30" HDPP Pipe (HP) with Class I Backfill	
149	More than 100	LF	36" HDPP Pipe (HP) with Class I Backfill	
150	More than 100	LF	42" HDPP Pipe (HP) with Class I Backfill	
151	More than 100	LF	48" HDPP Pipe (HP) with Class I Backfill	
12.1' - 16' Depth				
152	More than 100	LF	8" HDPE Pipe (HP) with Class II Backfill	
153	More than 100	LF	10" HDPE Pipe (HP) with Class II Backfill	
154	More than 100	LF	12" HDPP Pipe (HP) with Class I Backfill	
155	More than 100	LF	15" HDPP Pipe (HP) with Class I Backfill	
156	More than 100	LF	18" HDPP Pipe (HP) with Class I Backfill	
157	More than 100	LF	24" HDPP Pipe (HP) with Class I Backfill	
158	More than 100	LF	30" HDPP Pipe (HP) with Class I Backfill	
159	More than 100	LF	36" HDPP Pipe (HP) with Class I Backfill	
160	More than 100	LF	42" HDPP Pipe (HP) with Class I Backfill	
161	More than 100	LF	48" HDPP Pipe (HP) with Class I Backfill	
162	Less than 100	LF	6" Sock Wrapped UD (PVC or double wall HDPE)	

163	More than 100	LF	6" Sock Wrapped UD (PVC or double wall HDPE)	
164	Less than 100	LF	6" Underdrain (non-socked [PVC or double wall HDPE])	
165	More than 100	LF	6" Underdrain (non-socked [PVC or double wall HDPE])	
166	1	CY	Underdrain Aggregate (rock/washed)	
167	1	CY	Underdrain Sand	
168	1	SY	UD Filter Fabric	
SANITARY SEWER ITEMS (GRAVITY)				
0 - 8' Depth				
169	Less than 100	LF	8" PVC SDR 26 Sewer Pipe	
170	Less than 100	LF	10" PVC SDR 26 Sewer Pipe	
171	Less than 100	LF	12" PVC SDR 26 Sewer Pipe	
172	Less than 100	LF	15" PVC SDR 26 Sewer Pipe	
8.1' - 12' Depth				
173	Less than 100	LF	8" PVC SDR 26 Sewer Pipe	
174	Less than 100	LF	10" PVC SDR 26 Sewer Pipe	
175	Less than 100	LF	12" PVC SDR 26 Sewer Pipe	
176	Less than 100	LF	15" PVC SDR 26 Sewer Pipe	
12.1' - 16' Depth				
177	Less than 100	LF	8" PVC SDR 26 Sewer Pipe	
178	Less than 100	LF	10" PVC SDR 26 Sewer Pipe	

179	Less than 100	LF	12" PVC SDR 26 Sewer Pipe	
180	Less than 100	LF	15" PVC SDR 26 Sewer Pipe	
0 - 8' Depth				
181	More than 100	LF	8" PVC SDR 26 Sewer Pipe	
182	More than 100	LF	10" PVC SDR 26 Sewer Pipe	
183	More than 100	LF	12" PVC SDR 26 Sewer Pipe	
184	More than 100	LF	15" PVC SDR 26 Sewer Pipe	
8.1' - 12' Depth				
185	More than 100	LF	8" PVC SDR 26 Sewer Pipe	
186	More than 100	LF	10" PVC SDR 26 Sewer Pipe	
187	More than 100	LF	12" PVC SDR 26 Sewer Pipe	
188	More than 100	LF	15" PVC SDR 26 Sewer Pipe	
12.1' - 16' Depth				
189	More than 100	LF	8" PVC SDR 26 Sewer Pipe	
190	More than 100	LF	10" PVC SDR 26 Sewer Pipe	
191	More than 100	LF	12" PVC SDR 26 Sewer Pipe	
192	More than 100	LF	15" PVC SDR 26 Sewer Pipe	
Fittings				
193	1	EA	45° Bend (PVC) 8" SDR 26	
194	1	EA	45° Bend (PVC) 10" SDR 26	

195	1	EA	45° Bend (PVC) 12" SDR 26	
196	1	EA	45° Bend (PVC) 15" SDR 26	
197	1	EA	22½° Bend (PVC) 8" SDR 26	
198	1	EA	22½° Bend (PVC) 10" SDR 26	
199	1	EA	22½° Bend (PVC) 12" SDR 26	
200	1	EA	22½° Bend (PVC) 15" SDR 26	
201	1	EA	WYE (PVC) 8" SDR 26	
202	1	EA	WYE (PVC) 10" SDR 26	
203	1	EA	WYE (PVC) 12" SDR 26	
204	1	EA	WYE (PVC) 15" SDR 26	
205	1	EA	48" Inside Diameter Sanitary Manhole (less than 8' deep) with Traffic Cover	
206	1	EA	60" Inside Diameter Sanitary Manhole (8.1' to 12' deep) with Traffic Cover	
207	1	EA	Utility Manhole with Rapid Seal Encapsulation	
208	1	EA	Adjust Sanitary Manhole Ring	
209	1	EA	PVC Cleanout with Plastic Screw Cap	
210	1	EA	PVC Cleanout with Brass Cover	
211	Less than 100	LF	PVC Service Lateral (6")	
0 - 8' Depth				
212	1	EA	Connect Lateral to Existing 8" PVC Sewer Main	
213	1	EA	Connect Lateral to Existing 10" PVC Sewer Main	

214	1	EA	Connect Lateral to Existing 12" PVC Sewer Main	
215	1	EA	Connect Lateral to Existing 15" PVC Sewer Main	
216	1	EA	Connect Lateral to Existing 18" PVC Sewer Main	
8.1' - 12' Depth				
217	1	EA	Connect Lateral to Existing 8" PVC Sewer Main	
218	1	EA	Connect Lateral to Existing 10" PVC Sewer Main	
219	1	EA	Connect Lateral to Existing 12" PVC Sewer Main	
220	1	EA	Connect Lateral to Existing 15" PVC Sewer Main	
221	1	EA	Connect Lateral to Existing 18" PVC Sewer Main	
SANITARY SEWER ITEMS (FORCEMAIN)				
0 - 8' Depth				
222	Less than 100	LF	6" PVC Force main (DR-18 C-900)	
223	Less than 100	LF	8" PVC Force main (DR-18 C-900)	
224	Less than 100	LF	10" PVC Force main (DR-18 C-900)	
225	Less than 100	LF	12" PVC Force main (DR-18 C-900)	
226	Less than 100	LF	16" PVC Force main (DR-18 C-905)	
227	Less than 100	LF	18" PVC Force main (DR-18 C-905)	
8.1' - 12' Depth				
228	Less than 100	LF	6" PVC Force main (DR-18 C-905)	
229	Less than 100	LF	8" PVC Force main (DR-18 C-905)	

230	Less than 100	LF	10" PVC Force main (DR-18 C-905)	
231	Less than 100	LF	12" PVC Force main (DR-18 C-905)	
232	Less than 100	LF	16" PVC Force main (DR-18 C-905)	
12.1' - 16' Depth				
233	Less than 100	LF	6" PVC Force main (DR-18 C-905)	
234	Less than 100	LF	8" PVC Force main (DR-18 C-905)	
235	Less than 100	LF	10" PVC Force main (DR-18 C-905)	
236	Less than 100	LF	12" PVC Force main (DR-18 C-905)	
237	Less than 100	LF	16" PVC Force main (DR-18 C-905)	
0 - 8' Depth				
238	More than 100	LF	6" PVC Force main (DR-18 C-900)	
239	More than 100	LF	8" PVC Force main (DR-18 C-900)	
240	More than 100	LF	10" PVC Force main (DR-18 C-900)	
241	More than 100	LF	12" PVC Force main (DR-18 C-900)	
242	More than 100	LF	16" PVC Force main (DR-18 C-905)	
243	More than 100	LF	18" PVC Force main (DR-18 C-905)	
8.1' - 12' Depth				
244	More than 100	LF	6" PVC Force main (DR-18 C-905)	
245	More than 100	LF	8" PVC Force main (DR-18 C-905)	
246	More than 100	LF	10" PVC Force main (DR-18 C-905)	

247	More than 100	LF	12" PVC Force main (DR-18 C-905)	
248	More than 100	LF	16" PVC Force main (DR-18 C-905)	
12.1' - 16' Depth				
249	More than 100	LF	6" PVC Force main (DR-18 C-905)	
250	More than 100	LF	8" PVC Force main (DR-18 C-905)	
251	More than 100	LF	10" PVC Force main (DR-18 C-905)	
252	More than 100	LF	12" PVC Force main (DR-18 C-905)	
253	More than 100	LF	16" PVC Force main (DR-18 C-905)	
0 - 8' Depth (Repairs Only)				
254	Less than 100	LF	6" DI Force main Protecto 401 (Class 50)	
255	Less than 100	LF	8" DI Force main Protecto 401 (Class 50)	
256	Less than 100	LF	10" DI Force main Protecto 401 (Class 50)	
257	Less than 100	LF	12" DI Force main Protecto 401 (Class 50)	
258	Less than 100	LF	16" DI Force main Protecto 401 (Class 50)	
8.1' - 12' Depth (Repairs Only)				
259	Less than 100	LF	6" DI Force main Protecto 401 (Class 50)	
260	Less than 100	LF	8" DI Force main Protecto 401 (Class 50)	
261	Less than 100	LF	10" DI Force main Protecto 401 (Class 50)	
262	Less than 100	LF	12" DI Force main Protecto 401 (Class 50)	
263	Less than 100	LF	16" DI Force main Protecto 401 (Class 50)	

12.1' - 16' Depth (Repairs Only)			
264	Less than 100	LF	6" DI Force main Protecto 401 (Class 50)
265	Less than 100	LF	8" DI Force main Protecto 401 (Class 50)
266	Less than 100	LF	10" DI Force main Protecto 401 (Class 50)
267	Less than 100	LF	12" DI Force main Protecto 401 (Class 50)
268	Less than 100	LF	16" DI Force main Protecto 401 (Class 50)
0 - 8' Depth (Repairs Only)			
269	More than 100	LF	6" DI Force main Protecto 401 (Class 50)
270	More than 100	LF	8" DI Force main Protecto 401 (Class 50)
271	More than 100	LF	10" DI Force main Protecto 401 (Class 50)
272	More than 100	LF	12" DI Force main Protecto 401 (Class 50)
273	More than 100	LF	16" DI Force main Protecto 401 (Class 50)
8.1' - 12' Depth (Repairs Only)			
274	More than 100	LF	6" DI Force main Protecto 401 (Class 50)
275	More than 100	LF	8" DI Force main Protecto 401 (Class 50)
276	More than 100	LF	10" DI Force main Protecto 401 (Class 50)
277	More than 100	LF	12" DI Force main Protecto 401 (Class 50)
278	More than 100	LF	16" DI Force main Protecto 401 (Class 50)
12.1' - 16' Depth (Repairs Only)			
279	More than 100	LF	6" DI Force main Protecto 401 (Class 50)

280	More than 100	LF	8" DI Force main Protecto 401 (Class 50)	
281	More than 100	LF	10" DI Force main Protecto 401 (Class 50)	
282	More than 100	LF	12" DI Force main Protecto 401 (Class 50)	
283	More than 100	LF	16" DI Force main Protecto 401 (Class 50)	
VALVES				
284	1	EA	Sewer Air Release Valve (above ground)	
285	1	EA	AR Valve Vault (6' x 6') (vault and assembly)	
286	1	EA	6" Eccentric Plug Valve	
287	1	EA	8" Eccentric Plug Valve	
288	1	EA	10" Eccentric Plug Valve	
289	1	EA	12" Eccentric Plug Valve	
290	1	EA	16" Eccentric Plug Valve	
291	1	EA	18" Eccentric Plug Valve	
292	1	HR	By-Pass Pumping MH-MH	
293	1	HR	By-Pass Pumping Truck (vac truck)	
MUNICIPAL WATER SYSTEM ITEMS				
294	Per linear foot	LF	2" Temporary Water Service	
295	Per linear foot	LF	Install 1" Temporary Service Line (includes all fittings)	
296	Per linear foot	LF	Install 2" Temporary Service Line (includes all fittings)	
0 - 5' Depth				

297	Less than 100	LF	6" PVC Pressure Pipe DR-18 (C-900)	
298	Less than 100	LF	8" PVC Pressure Pipe DR-18 (C-900)	
299	Less than 100	LF	10" PVC Pressure Pipe DR-18 (C-900)	
300	Less than 100	LF	12" PVC Pressure Pipe DR-18 (C-900)	
301	Less than 100	LF	16" PVC Pressure Pipe DR-18 (C-905)	
5.1' - 8' Depth				
302	Less than 100	LF	6" PVC Pressure Pipe DR-18 (C-900)	
303	Less than 100	LF	8" PVC Pressure Pipe DR -18 (C-900)	
304	Less than 100	LF	10" PVC Pressure Pipe DR-18 (C-900)	
305	Less than 100	LF	12" PVC Pressure Pipe DR-18 (C-900)	
306	Less than 100	LF	16" PVC Pressure Pipe DR-18 (C-905)	
8.1' - 12' Depth				
307	Less than 100	LF	6" PVC Pressure Pipe DR-18 (C-900)	
308	Less than 100	LF	8" PVC Pressure Pipe DR -18 (C-900)	
309	Less than 100	LF	10" PVC Pressure Pipe DR-18 (C-900)	
310	Less than 100	LF	12" PVC Pressure Pipe DR-18 (C-900)	
311	Less than 100	LF	16" PVC Pressure Pipe DR-18 (C-905)	
0 - 5' Depth				
312	More than 100	LF	6" PVC Pressure Pipe DR-18 (C-900)	
313	More than 100	LF	8" PVC Pressure Pipe DR -18 (C-900)	

314	More than 100	LF	10" PVC Pressure Pipe DR-18 (C-900)	
315	More than 100	LF	12" PVC Pressure Pipe DR-18 (C-900)	
316	More than 100	LF	16" PVC Pressure Pipe DR-18 (C-905)	
5.1' - 8' Depth				
317	More than 100	LF	6" PVC Pressure Pipe DR-18 (C-900)	
318	More than 100	LF	8" PVC Pressure Pipe DR -18 (C-900)	
319	More than 100	LF	10" PVC Pressure Pipe DR-18 (C-900)	
320	More than 100	LF	12" PVC Pressure Pipe DR-18 (C-900)	
321	More than 100	LF	16" PVC Pressure Pipe DR-18 (C-905)	
8.1' - 12' Depth				
322	More than 100	LF	6" PVC Pressure Pipe DR-18 (C-900)	
323	More than 100	LF	8" PVC Pressure Pipe DR -18 (C-900)	
324	More than 100	LF	10" PVC Pressure Pipe DR-18 (C-900)	
325	More than 100	LF	12" PVC Pressure Pipe DR-18 (C-900)	
326	More than 100	LF	16" PVC Pressure Pipe DR-18 (C-905)	
0 - 5' Depth				
327	Less than 100	LF	6" Ductile Iron Pipe (C-250)	
328	Less than 100	LF	8" Ductile Iron Pipe (C-250)	
329	Less than 100	LF	10" Ductile Iron Pipe (C-250)	
330	Less than 100	LF	12" Ductile Iron Pipe (C-250)	

331	Less than 100	LF	16" Ductile Iron Pipe (C-250)	
5.1' - 8' Depth				
332	Less than 100	LF	6" Ductile Iron Pipe (C-250)	
333	Less than 100	LF	8" Ductile Iron Pipe (C-250)	
334	Less than 100	LF	10" Ductile Iron Pipe (C-250)	
335	Less than 100	LF	12" Ductile Iron Pipe (C-250)	
336	Less than 100	LF	16" Ductile Iron Pipe (C-250)	
8.1' - 12' Depth				
337	Less than 100	LF	6" Ductile Iron Pipe (C-250)	
338	Less than 100	LF	8" Ductile Iron Pipe (C-250)	
339	Less than 100	LF	10" Ductile Iron Pipe (C-250)	
340	Less than 100	LF	12" Ductile Iron Pipe (C-250)	
341	Less than 100	LF	16" Ductile Iron Pipe (C-250)	
0 to 5' Depth				
342	More than 100	LF	6" Ductile Iron Pipe (C-250)	
343	More than 100	LF	8" Ductile Iron Pipe (C-250)	
344	More than 100	LF	10" Ductile Iron Pipe (C-250)	
345	More than 100	LF	12" Ductile Iron Pipe (C-250)	
346	More than 100	LF	16" Ductile Iron Pipe (C-250)	
5.1' - 8' Depth				

347	More than 100	LF	6" Ductile Iron Pipe (C-250)	
348	More than 100	LF	8" Ductile Iron Pipe (C-250)	
349	More than 100	LF	10" Ductile Iron Pipe (C-250)	
350	More than 100	LF	12" Ductile Iron Pipe (C-250)	
351	More than 100	LF	16" Ductile Iron Pipe (C-250)	
8.1' - 12' Depth				
352	More than 100	LF	6" Ductile Iron Pipe (C-250)	
353	More than 100	LF	8" Ductile Iron Pipe (C-250)	
354	More than 100	LF	10" Ductile Iron Pipe (C-250)	
355	More than 100	LF	12" Ductile Iron Pipe (C-250)	
356	More than 100	LF	16" Ductile Iron Pipe (C-250)	
VALVES				
357	1	EA	Gate Valve 6"	
358	1	EA	Gate Valve 8"	
359	1	EA	Gate Valve 10"	
360	1	EA	Gate Valve 12"	
361	1	EA	Gate Valve 16"	
DUCTILE IRON FITTINGS				
362	1	EA	90° Bend 6"	
363	1	EA	90° Bend 8"	

364	1	EA	90° Bend 10"	
365	1	EA	90° Bend 12"	
366	1	EA	90° Bend 16"	
367	1	EA	45° Bend 6"	
368	1	EA	45° Bend 8"	
369	1	EA	45° Bend 10"	
370	1	EA	45° Bend 12"	
371	1	EA	45° Bend 16"	
372	1	EA	22½° Bend 6"	
373	1	EA	22½° Bend 8"	
374	1	EA	22½° Bend 10"	
375	1	EA	22½° Bend 12"	
376	1	EA	22½° Bend 16"	
377	1	EA	Tee 6"	
378	1	EA	Tee 8"	
379	1	EA	Tee 10"	
380	1	EA	Tee 12"	
381	1	EA	Tee 16"	
382	1	EA	Cross 8"	
383	1	EA	Cross 10"	

384	1	EA	Cross 12"	
385	1	EA	Cross 16"	
386	1	EA	Reducer 6" x 4"	
387	1	EA	Reducer 8" x 6"	
388	1	EA	Reducer 10" x 8"	
389	1	EA	Reducer 12" x 10"	
390	1	EA	Reducer 16" x 12"	
391	1	EA	Valve Box (new)	
392	1	EA	Adjust Existing Valve Box	
393	1	EA	Bell Restrainer 6"	
394	1	EA	Bell Restrainer 8"	
395	1	EA	Bell Restrainer 10"	
396	1	EA	Bell Restrainer 12"	
397	1	EA	Bell Restrainer 16"	
398	1	EA	Full Gasket, S.S. Tap Saddle w/ Valve 6"x6"	
399	1	EA	Full Gasket, S.S. Tap Saddle w/ Valve 8"x8"	
400	1	EA	Full Gasket, S.S. Tap Saddle w/ Valve 10"x10"	
401	1	EA	Full Gasket, S.S. Tap Saddle w/ Valve 12"x12"	
402	1	EA	Full Gasket, S.S. Tap Saddle w/ Valve 16"x16"	
403	1	EA	Fire Hydrant Assembly (including 6" gate valve with tee)	

404	Less than 100	LF	Service Line 1" Blue Polyline (including curb stop and angle ball meter valve with nipple)	
405	Less than 100	LF	Service Line 2" Blue Polyline (including curb stop and angle ball meter valve with nipple)	
406	1	EA	Service Connection 1" (including all fittings and backflow device)	
407	1	EA	Service Connection 2" (including all fittings and backflow device)	
408	1	EA	Service Connection 4" (including all fittings and backflow device)	
409	1	EA	Service Connection 6" (including all fittings and backflow device)	
410	1	EA	Service Connection 8" (including all fittings and backflow device)	
411	Per linear foot	LF	Directional Drill 2" HDPE DR-11	
412	Per linear foot	LF	Directional Drill 4" HDPE DR-11	
413	Per linear foot	LF	Directional Drill 6" HDPE DR-11	
414	Per linear foot	LF	Directional Drill 8" HDPE DR-11	
415	Per linear foot	LF	Directional Drill 12" HDPE DR-11	
416	Per linear foot	LF	Directional Drill 16" HDPE DR-11	
417	1	EA	Connect to Existing 6"	
418	1	EA	Connect to Existing 8"	
419	1	EA	Connect to Existing 10"	
420	1	EA	Connect to Existing 12"	
421	1	EA	Connect to Existing 16"	
DEMOLITION AND RESTORATION ITEMS				
422	Per linear foot	LF	Pipe Plug and Place Out of Service < 8"	

423	Per linear foot	LF	Pipe Plug and Place Out of Service > 9"	
424	Per linear foot	LF	Pipe Removal < 18"	
425	Per linear foot	LF	Pipe Removal > 18"	
426	1	EA	Utility Manhole Remove and Dispose < 12'	
427	1	EA	Utility Manhole Remove and Dispose > 12'	
428	Less than 50	SY	12" Stabilized Subgrade (LBR - 40)	
429	More than 50	SY	12" Stabilized Subgrade (LBR - 40)	
430	Less than 50	SY	4" Concrete Sidewalk	
431	More than 50	SY	4" Concrete Sidewalk	
432	Less than 50	SY	6" Concrete Sidewalk	
433	More than 50	SY	6" Concrete Sidewalk	
434	Less than 50	SY	6" Concrete Driveway	
435	More than 50	SY	6" Concrete Driveway	
436	Less than 50	LF	Type F Curb or Valley Gutter	
437	More than 50	LF	Type F Curb or Valley Gutter	
438	Less than 50	LF	6" x 16" Vertical Curb	
439	More than 50	LF	6" x 16" Vertical Curb	
440	Less than 50	LF	24" Miami Curb	
441	More than 50	LF	24" Miami Curb	
442	Less than 50	LF	8" Ribbon Curb	

443	More than 50	LF	8" Ribbon Curb	
444	Less than 50	LF	12" Ribbon Curb	
445	More than 50	LF	12" Ribbon Curb	
446	Less than 100	SY	6" (300 psi) Soil Cement (with prime)	
447	More than 100	SY	6" (300 psi) Soil Cement (with prime)	
448	Less than 100	SY	8" (300 psi) Soil Cement (with prime)	
449	More than 100	SY	8" (300 psi) Soil Cement (with prime)	
450	Less than 100	SY	10" (300 psi) Soil Cement (with prime)	
451	More than 100	SY	10" (300 psi) Soil Cement (with prime)	
452	Less than 100	SY	10" Crushed Concrete Base Course	
453	More than 100	SY	10" Crushed Concrete Base Course	
454	Less than 100	SY	12" Crushed Concrete Base Course	
455	More than 100	SY	12" Crushed Concrete Base Course	
456	Less than 100	SY	2" Type S-I Asphaltic Concrete (1 lift)	
457	101 to 749	SY	2" Type S-I Asphaltic Concrete (1 lift)	
458	750 to 1499	SY	2" Type S-I Asphaltic Concrete (1 lift)	
459	1500 to 3499	SY	2" Type S-I Asphaltic Concrete (1 lift)	
460	3500 to 5000	SY	2" Type S-I Asphaltic Concrete (1 lift)	
461	Less than 100	SY	2" Type S-I Asphaltic Concrete (2 lifts)	
462	101 to 749	SY	2" Type S-I Asphaltic Concrete (2 lifts)	

463	750 to 1499	SY	2" Type S-I Asphaltic Concrete (2 lifts)	
464	1500 to 3499	SY	2" Type S-I Asphaltic Concrete (2 lifts)	
465	3500 to 5000	SY	2" Type S-I Asphaltic Concrete (2 lifts)	
466	Less than 100	SY	1" Type S-III Asphaltic Concrete (1 lift)	
467	101 to 749	SY	1" Type S-III Asphaltic Concrete (1 lift)	
468	750 to 1499	SY	1" Type S-III Asphaltic Concrete (1 lift)	
469	1500 to 3499	SY	1" Type S-III Asphaltic Concrete (1 lift)	
470	3500 to 5000	SY	1" Type S-III Asphaltic Concrete (1 lift)	
471	Less than 100	SY	1½" Type S-III Asphaltic Concrete (1 lift)	
472	101 to 749	SY	1½" Type S-III Asphaltic Concrete (1 lift)	
473	750 to 1499	SY	1½" Type S-III Asphaltic Concrete (1 lift)	
474	1500 to 3499	SY	1½" Type S-III Asphaltic Concrete (1 lift)	
475	3500 to 5000	SY	1½" Type S-III Asphaltic Concrete (1 lift)	
476	Less than 100	SY	2" Type S-III Asphaltic Concrete (2 lifts)	
477	101 to 749	SY	2" Type S-III Asphaltic Concrete (2 lifts)	
478	750 to 1499	SY	2" Type S-III Asphaltic Concrete (2 lifts)	
479	1500 to 3499	SY	2" Type S-III Asphaltic Concrete (2 lifts)	
480	3500 to 5000	SY	2" Type S-III Asphaltic Concrete (2 lifts)	
481	Less than 100	SY	Remove and Palletize Street Bricks	
482	More than 100	SY	Remove and Palletize Street Bricks	

483	Less than 100	SY	Replace Street Bricks (including setting bed)	
484	More than 100	SY	Replace Street Bricks (including setting bed)	
485	More than 100	LF	Saw Cut Asphalt Pavement	
486	Less than 100	LF	Saw Cut Asphalt Pavement	
487	More than 100	LF	Saw Cut Concrete Pavement	
488	Less than 100	LF	Saw Cut Concrete Pavement	
489	1	SY	Remove and Dispose Roadway Pavement and Base	
490	1	EA	Remove and Dispose Existing Tree and Root Mass (palm or small tree < 6" caliper)	
491	1	SY	Remove and Dispose Concrete Sidewalk or Driveway	
492	1	LF	Remove and Dispose Concrete Curb or Valley Gutter	
493	1	LF	4" (white or yellow) Painted Traffic Stripe	
494	1	LF	6" (white or yellow) Painted Traffic Stripe	
495	1	LF	12" White Painted Traffic Stripe	
496	1	LF	24" White Painted Traffic Stripe	
497	1	LF	4" (white or yellow) Thermoplastic Traffic Stripe	
498	1	LF	6" (white or yellow) Thermoplastic Traffic Stripe	
499	1	LF	12" White Thermoplastic Traffic Stripe	
500	1	LF	24" White Thermoplastic Traffic Stripe	
501	1	EA	Raised Reflective Pavement Marker	
502	1 -100	CY	Exporting and Legal Disposal Off-Site of Unsuitable Fill Material	

503	More than 100	CY	Exporting and Legal Disposal Off-Site of Unsuitable Fill Material	
504	1-100	CY	Providing and Importing of Suitable Fill Material	
505	More than 100	CY	Providing and Importing of Suitable Fill Material	
506	Less than 100	SY	St. Augustine Sod	
507	More than 100	SY	St. Augustine Sod	
508	Less than 100	SY	Bahia Sod	
509	More than 100	SY	Bahia Sod	
510	Less than 100	SY	Seed and Mulch	
511	More than 100	SY	Seed and Mulch	
EROSION & SEDIMENT CONTROL (including NPDES, NOI, and SWPPP)				
512	1	Each/Day	Projects Under 1 Acre Disturbed Area	
513	1	Each/Day	Projects 1 to 5 Acres Disturbed Area	
514	1	Each/Day	Projects Over 5 Acres Disturbed Area	
515	Less than 100	LF	Silt Fence	
516	More than 100	LF	Silt Fence	
TEMPORARY DEWATERING (including ALL PERMITS)				
517	1	Each/Day	Projects Under 1 Acre Disturbed Area	
518	1	Each/Day	Projects 1 to 5 Acres Disturbed Area	
519	1	Each/Day	Projects Over 5 Acres Disturbed Area	
ROADWAY & EARTHWORK				

520	Less than 100	SY	Grading	
521	More than 100	SY	Grading	
522	Less than 100	SY	6" Stabilized Subgrade Under Curbs	
523	More than 100	SY	6" Stabilized Subgrade Under Curbs	
524	Less than 100	SY	12" Compacted Subgrade	
525	More than 100	SY	12" Compacted Subgrade	
526	Less than 100	SY	12" Stabilized Subgrade	
527	More than 100	SY	12" Stabilized Subgrade	
SANITARY SEWER LINE CLEANING				
528	Medium Cleaning	LF	4" – 12" Diameter	
529	Medium Cleaning	LF	18" -30" Diameter	
530	Medium Cleaning	LF	36"-48" Diameter	
531	Heavy Cleaning	LF	4" – 12" Diameter	
532	Heavy Cleaning	LF	18" -30" Diameter	
533	Heavy Cleaning	LF	36"-48" Diameter	
534	Root Removal	LF	4" – 12" Diameter	
535	Root Removal	LF	18" -30" Diameter	
536	Root Removal	LF	36"-48" Diameter	
537	TV Inspection	LF	4" – 12" Diameter	
538	TV Inspection	LF	18" -30" Diameter	

539	TV Inspection	LF	36"-48" Diameter	
SANITARY SEWER REFURBISHMENT				
540	CIPP LINING	LF	4"-12" Diameter 4.5 MM Nominal Thickness	
541	CIPP LINING	LF	4"-12" Diameter 6.0 MM Nominal Thickness	
542	CIPP LINING	LF	4"-12" Diameter 7.5 MM Nominal Thickness	
543	CIPP LINING	LF	4"-12"Diamter 9.0 MM Nominal Thickness	
544	CIPP LINING	LF	4"-12" Diameter 1.5 MM Nominal Thickness Exceeding 9.0	
545	CIPP LINING	LF	18"-30" Diameter 4.5 MM Nominal Thickness	
546	CIPP LINING	LF	18"-30" Diameter 6.0 MM Nominal Thickness	
547	CIPP LINING	LF	18"-30" Diameter 7.5 MM Nominal Thickness	
548	CIPP LINING	LF	18"-30"Diamter 9.0 MM Nominal Thickness	
549	CIPP LINING	LF	18"-30" Diameter 1.5 MM Nominal Thickness Exceeding 9.0	
550	CIPP LINING	LF	36"-48" Diameter 4.5 MM Nominal Thickness	
551	CIPP LINING	LF	36"-48" Diameter 6.0 MM Nominal Thickness	
552	CIPP LINING	LF	36"-48" Diameter 7.5 MM Nominal Thickness	
553	CIPP LINING	LF	36"-48"Diamter 9.0 MM Nominal Thickness	
554	CIPP LINING	LF	36"-48" Diameter 1.5 MM Nominal Thickness Exceeding 9.0	
LATERAL REFURBISHMENT				
555	CIPP LINING	LF	Four (4) inch later connection 0 to 30'	
556	CIPP LINING	LF	Six (6) inch later connection 0 to 30'	

557	CIPP LINING	LF	Eight (8) inch later connection 0 to 30'	
558	CIPP LINING	LF	Additional later lining > 30'	
559	CIPP LINING	EA	Lateral Cutout	
560	CIPP LINING	EA	Lateral Grout	
MANHOLE/LIFT STATION REFURBISHMENT				
561	LINING	SF	Interior Manhole Application (Precast)	
562	LINING	SF	Interior Manhole Application (Brick)	
563	STRUCTURAL REHAB	SF	Interior Manhole Application (Precast)	
564	STRUCTURAL REHAB	SF	Interior Manhole Application (Brick)	
565	LINING	SF	Interior Lift Station Application (Precast)	
566	LINING	SF	Interior Lift Station Application (Brick)	
567	STRUCTURAL REHAB	SF	Interior Lift Station Application (Precast)	
568	STRUCTURAL REHAB	SF	Interior Lift Station Application (Brick)	
569	REHABILITATION	EA	Bench/Invert	
CLEANOUT INSTALLATION				
570	INSTALLATION	EA	Four (4) Inch Cleanout	
571	INSTALLATION	EA	Six (6) Inch Cleanout	
572	INSTALLATION	EA	Eight (8) Inch Cleanout	
STORM SEWER CLEANING				
573	MEDIUM CLEANING	LF	6" - 12" Diameter	

574	MEDIUM CLEANING	LF	14" – 18" Diameter	
575	MEDIUM CLEANING	LF	20" – 24" Diameter	
576	MEDIUM CLEANING	LF	30" – 42" Diameter	
577	MEDIUM CLEANING	LF	48" – 60" Diameter	
578	MEDIUM CLEANING	LF	>60" Diameter	
579	HEAVY CLEANING	LF	6" – 12" Diameter	
580	HEAVY CLEANING	LF	14" – 18" Diameter	
581	HEAVY CLEANING	LF	20" – 24" Diameter	
582	HEAVY CLEANING	LF	30" – 42" Diameter	
583	HEAVY CLEANING	LF	48" – 60" Diameter	
584	HEAVY CLEANING	LF	>60" Diameter	
585	ROOT REMOVAL	LF	6" – 12" Diameter	
586	ROOT REMOVAL	LF	14" – 18" Diameter	
587	ROOT REMOVAL	LF	20" – 24" Diameter	
588	ROOT REMOVAL	LF	30" – 42" Diameter	
589	ROOT REMOVAL	LF	48" – 60" Diameter	
590	ROOT REMOVAL	LF	>60" Diameter	
STORM SEWER REFURBISHMENT				
591	CIPP LINING	LF	6"-12" Diameter 4.5 MM Nominal Thickness	
592	CIPP LINING	LF	6"-12" Diameter 6.0 MM Nominal Thickness	

593	CIPP LINING	LF	6"-12" Diameter 7.5 MM Nominal Thickness	
594	CIPP LINING	LF	6"-12" Diameter 9.0 MM Nominal Thickness	
595	CIPP LINING	LF	6"-12" Diameter 1.5 MM Nominal Thickness Exceeding 9.0	
596	CIPP LINING	LF	14"-18" Diameter 4.5 MM Nominal Thickness	
597	CIPP LINING	LF	14"-18" Diameter 6.0 MM Nominal Thickness	
598	CIPP LINING	LF	14"-18" Diameter 7.5 MM Nominal Thickness	
599	CIPP LINING	LF	14"-18" Diameter 9.0 MM Nominal Thickness	
600	CIPP LINING	LF	14"-18" Diameter 1.5 MM Nominal Thickness Exceeding 9.0	
601	CIPP LINING	LF	20"-24" Diameter 4.5 MM Nominal Thickness	
602	CIPP LINING	LF	20"-24" Diameter 6.0 MM Nominal Thickness	
603	CIPP LINING	LF	20"-24" Diameter 7.5 MM Nominal Thickness	
604	CIPP LINING	LF	20"-24" Diameter 9.0 MM Nominal Thickness	
605	CIPP LINING	LF	20"-24" Diameter 1.5 MM Nominal Thickness Exceeding 9.0	
606	CIPP LINING	LF	30"-42" Diameter 4.5 MM Nominal Thickness	
607	CIPP LINING	LF	30"-42" Diameter 6.0 MM Nominal Thickness	
608	CIPP LINING	LF	30"-42" Diameter 7.5 MM Nominal Thickness	
609	CIPP LINING	LF	30"-42" Diameter 9.0 MM Nominal Thickness	
610	CIPP LINING	LF	30"-42" Diameter 1.5 MM Nominal Thickness Exceeding 9.0	
611	CIPP LINING	LF	48"-60" Diameter 4.5 MM Nominal Thickness	
612	CIPP LINING	LF	48"-60" Diameter 6.0 MM Nominal Thickness	

613	CIPP LINING	LF	48"-60" Diameter 7.5 MM Nominal Thickness	
614	CIPP LINING	LF	48"-60" Diameter 9.0 MM Nominal Thickness	
615	CIPP LINING	LF	48"-60" Diameter 1.5 MM Nominal Thickness Exceeding 9.0	
616	CIPP LINING	LF	>60" Diameter 4.5 MM Nominal Thickness	
617	CIPP LINING	LF	>60" Diameter 6.0 MM Nominal Thickness	
618	CIPP LINING	LF	>60" Diameter 7.5 MM Nominal Thickness	
619	CIPP LINING	LF	>60" Diameter 9.0 MM Nominal Thickness	
620	CIPP LINING	LF	>60" Diameter 1.5 MM Nominal Thickness Exceeding 9.0	
UNDERDRAIN REFURBISHMENT				
621	INSPECTION	LF	Underdrain Inspection	
622	DEMOLITION	LF	Underdrain Removal	
623	INSTALLATION	LF	Underdrain Installation	
624	CONNECTION	LF	Underdrain Connection to Structures	
SANITARY SEWER (FORCEMAIN)				
0 - 8' Depth				
625	Line Stop	EA	4" Force main	
626	Line Stop	EA	6" Force main	
627	Line Stop	EA	8" Force main	
628	Line Stop	EA	10" Force main	
629	Line Stop	EA	12" Force main	

630	Line Stop	EA	16" Force main	
631	Line Stop	EA	18" Force main	
632	Line Stop	EA	20" Force main	
633	Line Stop	EA	24" Force main	
MUNICIPAL WATER & REUSE SYSTEM				
0 - 8' Depth				
634	Line Stop	EA	4" Main	
635	Line Stop	EA	6" Main	
636	Line Stop	EA	8" Main	
637	Line Stop	EA	10" Main	
638	Line Stop	EA	12" Main	
639	Line Stop	EA	16" Main	
TOTALS:				\$0.00