

Clayton County Water Authority

Annual Contract for General Pipe Work

Final Bid Tabulation

Tuesday, August 4, 2020 at 2:00 P.M.

No.	Work Item	Detail	Unit	Civil Works, Inc.	DAF Concrete, Inc.	Don Hall Construction, Inc.	Jewel of the South, Inc.
				Unit Cost	Unit Cost	Unit Cost	Unit Cost
1	Lowboy Service		EA	\$ 1,000.00	\$ 450.00	\$ 700.00	\$ 800.00
2	Emergency Mobilization		EA	\$ 3,000.00	\$ 1,300.00	\$ 1,800.00	\$ 1,500.00
3	Performance and Payment Bonds	For Project Work Orders of \$100,000 to \$125,000	EA	\$ 3,000.00	\$ 1,400.00	\$ 1,800.00	\$ 3,000.00
4		For Each Additional \$25,000 Increase	EA	\$ 500.00	\$ 200.00	\$ 360.00	\$ 750.00
5	Construction Exit		EA	\$ 2,000.00	\$ 300.00	\$ 900.00	\$ 750.00
6	Sediment Barrier Installation	Silt Fence - Type A	LF	\$ 3.50	\$ 150.00	\$ 3.50	\$ 2.25
7		Silt Fence - Type C	LF	\$ 4.00	\$ 150.00	\$ 4.50	\$ 3.50
8		Hay Bale	LF	\$ 7.00	\$ 4.00	\$ 5.00	\$ 5.00
9	Sediment Barrier Removal		LF	\$ 1.50	\$ 5.00	\$ 1.00	\$ 1.25
10	Curb Inlet Sediment Trap		EA	\$ 125.00	\$ 100.00	\$ 100.00	\$ 125.00
11	Soil Stabilization	Straw Mulching	SF	\$ 0.25	\$ 0.25	\$ 0.35	\$ 0.30
12		Seed and Straw Mulch	SF	\$ 0.25	\$ 0.25	\$ 0.40	\$ 0.35
13		Seed and Matt Blanket	SF	\$ 1.00	\$ 0.30	\$ 0.45	\$ 0.75
14		Sod	SF	\$ 1.25	\$ 1.00	\$ 1.90	\$ 1.25
15	Hauling Material from Outside of County		HR	\$ 100.00	\$ 50.00	\$ 75.00	\$ 95.00
16	Tree Removal	4 inch to 6 inch diameter	EA	\$ 200.00	\$ 280.00	\$ 400.00	\$ 400.00
17		Greater than 6 inch to 12 inch diameter	EA	\$ 600.00	\$ 800.00	\$ 700.00	\$ 750.00
18		Greater than 12 inch to 24 inch diameter	EA	\$ 900.00	\$ 1,200.00	\$ 1,800.00	\$ 1,500.00
19		Greater than 24 inch to 36 inch diameter	EA	\$ 1,200.00	\$ 1,780.00	\$ 2,000.00	\$ 1,950.00
20	Easement Clearing		SF	\$ 5.00	\$ 0.25	\$ 0.50	\$ 0.75
21	Fence Work	Chain-Link / Wire Removal or Reinstall	LF	\$ 6.00	\$ 9.00	\$ 12.00	\$ 10.50
22		Wood Removal or Reinstall	LF	\$ 6.00	\$ 16.00	\$ 20.00	\$ 18.00
23	General Excavation	Up to 6 feet deep	CF	\$ 0.40	\$ 1.20	\$ 1.80	\$ 2.00
24		Greater than 6 feet to 10 feet deep	CF	\$ 0.60	\$ 1.20	\$ 1.80	\$ 1.25
25		Greater than 10 feet to 14 feet deep	CF	\$ 1.00	\$ 1.20	\$ 1.80	\$ 1.35
26		Greater than 14 feet to 18 feet deep	CF	\$ 2.00	\$ 1.60	\$ 1.80	\$ 1.55
27	Rock Excavation		CF	\$ 14.00	\$ 2.50	\$ 4.00	\$ 4.00
28	General Fill / Backfill	Fill Dirt	CF	\$ 1.00	\$ 1.30	\$ 1.30	\$ 1.55
29		Sand	CF	\$ 2.00	\$ 1.00	\$ 1.50	\$ 1.55
30		Crushed Stone / Graded Aggregate Base	CF	\$ 2.50	\$ 1.50	\$ 1.40	\$ 1.55
31		#3, #4, #5, #57 and #89 Stone	CF	\$ 2.00	\$ 0.90	\$ 1.65	\$ 1.55
32		Surge Stone	CF	\$ 3.00	\$ 1.50	\$ 1.65	\$ 1.75
33		Rip-Rap Stone Type III	CF	\$ 5.00	\$ 1.00	\$ 1.85	\$ 1.75
34	Stone Placement	6 inch thick layer	SF	\$ 2.00	\$ 1.00	\$ 1.70	\$ 1.75
35	Crushed Stone / Graded Aggregate Base	2 inch thick increment	SF	\$ 1.00	\$ 1.00	\$ 0.56	\$ 1.25
36	Stone Placement	6 inch thick layer	SF	\$ 2.00	\$ 1.00	\$ 1.60	\$ 2.00
37	#3, #4, #5, #57 and #89 Stone	2 inch thick increment	SF	\$ 1.00	\$ 1.00	\$ 0.52	\$ 1.75
38	Stone Placement	Surge Stone 6 inch thick layer	SF	\$ 2.00	\$ 1.00	\$ 1.70	\$ 1.75
39	Surge Stone	6 inch thick increment	SF	\$ 1.00	\$ 1.00	\$ 1.70	\$ 1.75
40	Stone Placement	Type III Rip-Rap Stone 12 inch thick layer	SF	\$ 3.00	\$ 1.60	\$ 2.00	\$ 2.00
41	Type III Rip-Rap	12 inch thick increment	SF	\$ 2.00	\$ 1.60	\$ 2.00	\$ 2.00
42	Stone Placement	Type I Rip-Rap	SF	\$ 4.00	\$ 2.30	\$ 3.00	\$ 2.50
43	Gabion Basket Installation		CF	\$ 6.50	\$ 8.50	\$ 10.00	\$ 15.00
44	Geotextile Fabric Installation		SF	\$ 1.00	\$ 6.50	\$ 1.00	\$ 0.95
45	Pavement - Remove Asphalt	Up to 4 inch thick layer	SF	\$ 1.50	\$ 2.00	\$ 2.50	\$ 2.50
46	Pavement - Remove Asphalt	Greater than 4 inch to 8 inch thick layer	SF	\$ 1.75	\$ 2.00	\$ 3.00	\$ 2.50
47	Pavement - Remove Asphalt	Greater than 8 inch to 12 inch thick layer	SF	\$ 2.00	\$ 2.00	\$ 4.00	\$ 4.50
48	Pavement - Remove Asphalt	Greater than 12 inch thick layer	SF	\$ 3.00	\$ 2.00	\$ 5.00	\$ 6.00
49	Pavement - Remove Concrete Flat Work	Up to 4 inch thick layer	SF	\$ 1.00	\$ 2.00	\$ 2.50	\$ 3.25
50	Pavement - Remove Concrete Flat Work	Greater than 4 inch to 8 inch thick layer	SF	\$ 2.00	\$ 2.00	\$ 3.00	\$ 3.75
51	Pavement - Remove Concrete Flat Work	Greater than 8 inch to 12 inch thick layer	SF	\$ 4.00	\$ 2.00	\$ 4.00	\$ 4.25
52	Pavement - Remove Concrete Flat Work	Greater than 12 inch thick layer	SF	\$ 6.00	\$ 2.00	\$ 6.00	\$ 6.00
53	Pavement - Remove Concrete Flat Work	Curb and Gutter	LF	\$ 8.00	\$ 4.00	\$ 5.00	\$ 5.25
54	Pavement - Milling	Up to 1500 SF	EA	\$ 5,000.00	\$ 4,200.00	\$ 5,900.00	\$ 6,000.00
55		Additional Square Footage	SF	\$ 10.00	\$ 3.00	\$ 4.00	\$ 6.00
56	Pavement - Asphalt Patching	3 inch thick layer	SF	\$ 6.00	\$ 5.50	\$ 7.00	\$ 7.00
57		1 inch thick increment	SF	\$ 5.00	\$ 2.00	\$ 2.30	\$ 2.50
58	Pavement - Asphalt Paving	3 inch thick layer	SF	\$ 8.00	\$ 5.50	\$ 6.00	\$ 6.25
59		1 inch thick increment	SF	\$ 6.00	\$ 2.00	\$ 2.00	\$ 2.50
60	Pavement - Concrete Flatwork	Up to 4 inch thick layer	SF	\$ 8.00	\$ 5.00	\$ 6.00	\$ 6.25
61		Greater than 4 inch to 6 inch thick layer	SF	\$ 8.00	\$ 6.00	\$ 7.00	\$ 7.50
62		Greater than 6 inch to 8 inch thick layer	SF	\$ 12.00	\$ 8.00	\$ 8.50	\$ 8.00
63		Greater than 8 inch to 10 inch thick layer	SF	\$ 16.00	\$ 8.00	\$ 9.50	\$ 10.00
64		Wire Mesh	SF	\$ 4.00	\$ 0.80	\$ 1.20	\$ 1.35
65		Steel Reinforcement	LF	\$ 80.00	\$ 0.60	\$ 5.50	\$ 3.35
66	Pavement - Curb and Gutter Replacement	Up to 24 inch width, square back	LF	\$ 36.00	\$ 20.00	\$ 25.00	\$ 30.00
67		Up to 24 inch width, roll back	LF	\$ 42.00	\$ 20.00	\$ 25.00	\$ 30.00
68	Pavement - Catch Basin Spillway Throat		LF	\$ 62.00	\$ 25.00	\$ 100.00	\$ 150.00
69	Pavement - Line Striping	Up to 6 inch wide	LF	\$ 6.00	\$ 3.00	\$ 5.50	\$ 2.25
70		24 inch wide	LF	\$ 12.00	\$ 5.00	\$ 8.50	\$ 9.50
71	Pavement - Marking	Handicap Symbol	EA	\$ 600.00	\$ 2.50	\$ 150.00	\$ 400.00
72	Pavement - Pressure Washing		SF	\$ 10.00	\$ 0.50	\$ 0.50	\$ 0.65
73	Pumping 4-inch Pump	Single Pump System	DY	\$ 1,200.00	\$ 450.00	\$ 1,000.00	\$ 900.00
74		Single Pump System	WK	\$ 1,800.00	\$ 700.00	\$ 4,800.00	\$ 1,350.00
75		Single Pump System	2WK	\$ 3,600.00	\$ 1,200.00	\$ 9,000.00	\$ 2,700.00
76		Single Pump System	MO	\$ 5,200.00	\$ 2,000.00	\$ 15,000.00	\$ 4,100.00
77		Redundant Pump System	DY	\$ 300.00	\$ 700.00	\$ 1,000.00	\$ 1,200.00
78		Redundant Pump System	WK	\$ 3,200.00	\$ 1,200.00	\$ 4,800.00	\$ 1,800.00
79		Redundant Pump System	2WK	\$ 3,200.00	\$ 1,800.00	\$ 9,000.00	\$ 3,600.00
80		Redundant Pump System	MO	\$ 4,800.00	\$ 2,600.00	\$ 15,000.00	\$ 5,400.00

81		Single Pump System	DY	\$	1,400.00	\$	430.00	\$	1,400.00	\$	1,300.00
82		Single Pump System	WK	\$	2,200.00	\$	800.00	\$	6,500.00	\$	1,950.00
83		Single Pump System	2WK	\$	4,200.00	\$	1,600.00	\$	12,500.00	\$	3,900.00
84	Pumping 6-inch Pump	Single Pump System	MO	\$	6,800.00	\$	2,600.00	\$	21,000.00	\$	5,800.00
85		Redundant Pump System	DY	\$	600.00	\$	750.00	\$	1,400.00	\$	1,400.00
86		Redundant Pump System	WK	\$	2,000.00	\$	1,200.00	\$	6,500.00	\$	2,100.00
87		Redundant Pump System	2WK	\$	4,000.00	\$	1,600.00	\$	12,500.00	\$	4,200.00
88		Redundant Pump System	MO	\$	6,200.00	\$	2,500.00	\$	21,000.00	\$	6,300.00
89			Single Pump System	DY	\$	2,200.00	\$	450.00	\$	2,000.00	\$
90		Single Pump System	WK	\$	4,800.00	\$	1,200.00	\$	9,500.00	\$	2,700.00
91		Single Pump System	2WK	\$	6,400.00	\$	1,850.00	\$	18,500.00	\$	5,400.00
92	Pumping 8-inch Pump	Single Pump System	MO	\$	8,800.00	\$	3,000.00	\$	30,000.00	\$	8,100.00
93		Redundant Pump System	DY	\$	8,800.00	\$	650.00	\$	2,000.00	\$	2,000.00
94		Redundant Pump System	WK	\$	3,200.00	\$	1,200.00	\$	9,500.00	\$	3,000.00
95		Redundant Pump System	2WK	\$	4,200.00	\$	1,800.00	\$	18,500.00	\$	6,000.00
96		Redundant Pump System	MO	\$	8,200.00	\$	2,500.00	\$	30,000.00	\$	9,000.00
97			Single Pump System	DY	\$	3,880.00	\$	450.00	\$	2,000.00	\$
98		Single Pump System	WK	\$	6,200.00	\$	1,300.00	\$	9,500.00	\$	5,250.00
99		Single Pump System	2WK	\$	8,000.00	\$	1,600.00	\$	18,500.00	\$	10,500.00
100	Pumping 10-inch Pump	Single Pump System	MO	\$	12,500.00	\$	2,200.00	\$	30,000.00	\$	15,750.00
101		Redundant Pump System	DY	\$	100.00	\$	550.00	\$	2,000.00	\$	4,500.00
102		Redundant Pump System	WK	\$	4,800.00	\$	1,200.00	\$	9,500.00	\$	6,750.00
103		Redundant Pump System	2WK	\$	7,600.00	\$	2,500.00	\$	18,500.00	\$	13,500.00
104		Redundant Pump System	MO	\$	10,800.00	\$	3,500.00	\$	30,000.00	\$	20,250.00
105			Single Pump System	DY	\$	4,400.00	\$	800.00	\$	3,000.00	\$
106		Single Pump System	WK	\$	8,200.00	\$	1,700.00	\$	14,000.00	\$	6,450.00
107		Single Pump System	2WK	\$	10,000.00	\$	2,300.00	\$	27,000.00	\$	12,900.00
108	Pumping 12-inch Pump	Single Pump System	MO	\$	14,000.00	\$	5,000.00	\$	42,000.00	\$	19,350.00
109		Redundant Pump System	DY	\$	4,200.00	\$	700.00	\$	3,000.00	\$	4,750.00
110		Redundant Pump System	WK	\$	6,000.00	\$	1,800.00	\$	14,000.00	\$	7,125.00
111		Redundant Pump System	2WK	\$	8,000.00	\$	2,800.00	\$	27,000.00	\$	14,250.00
112		Redundant Pump System	MO	\$	12,000.00	\$	4,800.00	\$	42,000.00	\$	21,375.00
113		Pipe Installation - Open Cut Copper (Type "K") Up to 1-inch	Installation / Replacement	EA	\$	1,200.00	\$	600.00	\$	500.00	\$
114		Additional Footage	LF	\$	38.00	\$	18.00	\$	20.00	\$	15.00
115	Pipe Installation - augered Copper (Type "K") Up to 1-inch	Installation / Replacement	EA	\$	1,800.00	\$	750.00	\$	900.00	\$	1,000.00
116		Additional Footage	LF	\$	28.00	\$	18.00	\$	20.00	\$	25.00
117		Up to 6 feet deep	LF	\$	52.00	\$	26.00	\$	21.50	\$	28.00
118	Pipe Installation - Open Cut Copper (Type "L") 1-1/2 to 2-inch	Greater than 6 feet to 10 feet deep	LF	\$	68.00	\$	26.00	\$	31.50	\$	30.00
119		Greater than 10 feet deep	LF	\$	72.00	\$	34.00	\$	51.50	\$	35.00
120		Up to 6 feet deep	LF	\$	54.00	\$	55.00	\$	21.50	\$	40.00
121	Pipe Installation - augered Copper (Type "L") 1-1/2 to 2-inch	Greater than 6 feet to 10 feet deep	LF	\$	72.00	\$	42.00	\$	31.50	\$	45.00
122		Greater than 10 feet deep	EA	\$	78.00	\$	42.00	\$	51.50	\$	55.00
123		Point Repair, up to 6 feet deep	EA	\$	3,800.00	\$	2,360.00	\$	3,000.00	\$	4,000.00
124		Point Repair, greater than 6 feet to 10 feet deep	EA	\$	4,800.00	\$	2,890.00	\$	3,500.00	\$	5,000.00
125		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	7,800.00	\$	5,390.00	\$	5,500.00	\$	6,000.00
126	Pipe Installation - Open Cut PVC up to 8-inch	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	12,600.00	\$	6,950.00	\$	6,500.00	\$	8,000.00
127		Additional Footage, up to 6 feet deep	LF	\$	10.00	\$	20.00	\$	30.00	\$	40.00
128		Additional Footage, greater than 6 feet to 10 feet deep	LF	\$	32.00	\$	35.00	\$	35.00	\$	50.00
129		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	48.00	\$	50.00	\$	45.00	\$	60.00
130		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	72.00	\$	74.00	\$	65.00	\$	80.00
131		Point Repair, up to 6 feet deep	EA	\$	8,800.00	\$	2,780.00	\$	3,000.00	\$	4,000.00
132		Point Repair, greater than 6 feet to 10 feet deep	EA	\$	9,800.00	\$	2,920.00	\$	3,500.00	\$	5,000.00
133		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	10,700.00	\$	5,390.00	\$	5,000.00	\$	6,000.00
134	Pipe Installation - Open Cut PVC greater than 8-inch to 16-inch	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	14,200.00	\$	6,360.00	\$	7,000.00	\$	8,000.00
135		Additional Footage, up to 6 feet deep	LF	\$	48.00	\$	44.00	\$	35.00	\$	45.00
136		Additional Footage, greater than 6 feet to 10 feet deep	LF	\$	72.00	\$	38.00	\$	45.00	\$	55.00
137		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	72.00	\$	40.00	\$	55.00	\$	65.00
138		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	84.00	\$	55.00	\$	75.00	\$	85.00
139		Point Repair, up to 6 feet deep	EA	\$	10,500.00	\$	2,970.00	\$	3,500.00	\$	4,500.00
140		Point Repair, greater than 6 feet to 10 feet deep	EA	\$	14,800.00	\$	2,780.00	\$	4,500.00	\$	5,500.00
141		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	16,500.00	\$	5,100.00	\$	6,000.00	\$	6,500.00
142	Pipe Installation - Open Cut PVC greater than 16-inch to 24-inch	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	18,600.00	\$	6,420.00	\$	7,500.00	\$	8,500.00
143		Additional Footage, up to 6 feet deep	LF	\$	120.00	\$	35.00	\$	40.00	\$	50.00
144		Additional Footage, greater than 6 feet to 10 feet deep	LF	\$	120.00	\$	50.00	\$	50.00	\$	60.00
145		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	210.00	\$	48.00	\$	60.00	\$	70.00
146		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	220.00	\$	64.00	\$	80.00	\$	90.00
147		Point Repair, up to 6 feet deep	EA	\$	10,800.00	\$	3,600.00	\$	3,500.00	\$	4,500.00
148		Point Repair, greater than 6 feet to 10 feet deep	EA	\$	12,800.00	\$	4,100.00	\$	4,500.00	\$	5,500.00
149		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	13,200.00	\$	5,600.00	\$	6,500.00	\$	7,000.00
150	Pipe Installation - Open Cut PVC greater than 24-inch to 36-inch	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	16,000.00	\$	6,100.00	\$	8,000.00	\$	10,000.00
151		Additional Footage, up to 6 feet deep	LF	\$	240.00	\$	38.00	\$	50.00	\$	55.00
152		Additional Footage, greater than 6 feet to 10 feet deep	LF	\$	280.00	\$	45.00	\$	60.00	\$	65.00
153		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	300.00	\$	70.00	\$	70.00	\$	70.00
154		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	310.00	\$	91.00	\$	90.00	\$	95.00
155		Point Repair, up to 6 feet deep	EA	\$	4,200.00	\$	2,800.00	\$	3,000.00	\$	4,000.00
156		Point Repair, greater than 6 feet to 10 feet deep	EA	\$	5,200.00	\$	2,900.00	\$	4,000.00	\$	4,500.00
157		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	8,200.00	\$	4,450.00	\$	5,500.00	\$	5,500.00
158	Pipe Installation - Open Cut DI up to 8-inch	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	10,000.00	\$	5,950.00	\$	7,000.00	\$	6,500.00
159		Additional Footage, up to 6 feet deep	LF	\$	20.00	\$	38.00	\$	30.00	\$	40.00
160		Additional Footage, greater than 6 feet to 10 feet deep	LF	\$	38.00	\$	35.00	\$	35.00	\$	50.00
161		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	52.00	\$	41.00	\$	50.00	\$	60.00
162		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	84.00	\$	58.00	\$	70.00	\$	80.00
163		Point Repair, up to 6 feet deep	EA	\$	6,800.00	\$	3,150.00	\$	3,500.00	\$	4,000.00
164		Point Repair, greater than 6 feet to 10 feet deep	EA	\$	8,600.00	\$	3,050.00	\$	4,500.00	\$	4,500.00
165		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	10,800.00	\$	4,800.00	\$	5,500.00	\$	5,500.00
166	Pipe Installation - Open Cut DI greater than 8-inch to 16-inch	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	12,000.00	\$	5,950.00	\$	7,000.00	\$	6,500.00
167		Additional Footage, up to 6 feet deep	LF	\$	52.00	\$	38.00	\$	30.00	\$	45.00
168		Additional Footage, greater than 6 feet to 10 feet deep	LF	\$	74.00	\$	45.00	\$	35.00	\$	55.00
169		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	86.00	\$	70.00	\$	50.00	\$	65.00
170		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	120.00	\$	91.00	\$	70.00	\$	85.00
171		Point Repair, up to 6 feet deep	EA	\$	12,800.00	\$	3,150.00	\$	3,500.00	\$	4,000.00

172		Point Repair, greater than 6 feet to 10 feet deep	EA	\$	16,000.00	\$	4,050.00	\$	4,500.00	\$	5,000.00
173		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	18,000.00	\$	5,350.00	\$	5,500.00	\$	6,000.00
174	Pipe Installation - Open Cut	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	18,000.00	\$	6,400.00	\$	7,000.00	\$	7,000.00
175	DI greater than 16-inch to 24-inch	Additional Footage, up to 6 feet deep	LF	\$	200.00	\$	38.00	\$	35.00	\$	50.00
176		Additional Footage, greater than 6 feet to 10 feet deep	LF	\$	210.00	\$	36.00	\$	45.00	\$	60.00
177		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	215.00	\$	42.00	\$	55.00	\$	70.00
178		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	220.00	\$	58.00	\$	75.00	\$	90.00
179		Point Repair, up to 6 feet deep	EA	\$	12,600.00	\$	3,150.00	\$	3,500.00	\$	4,500.00
180		Point Repair, greater than 6 feet to 10 feet deep	EA	\$	12,800.00	\$	3,410.00	\$	4,500.00	\$	5,500.00
181		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	12,880.00	\$	5,250.00	\$	6,500.00	\$	6,500.00
182	Pipe Installation - Open Cut	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	1,400.00	\$	6,480.00	\$	8,000.00	\$	9,000.00
183	DI greater than 24-inch to 36-inch	Additional Footage, up to 6 feet deep	LF	\$	180.00	\$	38.00	\$	50.00	\$	55.00
184		Additional Footage, greater than 6 feet to 10 feet deep	LF	\$	210.00	\$	48.00	\$	60.00	\$	65.00
185		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	220.00	\$	64.00	\$	70.00	\$	75.00
186		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	240.00	\$	76.00	\$	90.00	\$	95.00
187		Point Repair, up to 6 feet deep	EA	\$	13,200.00	\$	4,200.00	\$	4,000.00	\$	5,000.00
188		Point Repair, greater than 6 feet to 10 feet deep	EA	\$	13,700.00	\$	5,350.00	\$	5,000.00	\$	6,000.00
189		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	1,400.00	\$	6,180.00	\$	7,000.00	\$	8,000.00
190	Pipe Installation - Open Cut	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	14,200.00	\$	6,950.00	\$	9,000.00	\$	10,000.00
191	DI greater than 36-inch to 48-inch	Additional Footage, up to 6 feet deep	LF	\$	300.00	\$	38.00	\$	55.00	\$	60.00
192		Additional Footage, greater than 6 feet to 10 feet deep	LF	\$	310.00	\$	53.00	\$	65.00	\$	70.00
193		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	320.00	\$	81.00	\$	75.00	\$	80.00
194		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	350.00	\$	82.00	\$	95.00	\$	100.00
195		Point Repair, up to 6 feet deep	EA	\$	14,000.00	\$	3,900.00	\$	4,500.00	\$	5,500.00
196		Point Repair, greater than 6 feet to 10 feet deep	EA	\$	14,200.00	\$	4,950.00	\$	5,500.00	\$	6,500.00
197		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	14,400.00	\$	5,850.00	\$	7,500.00	\$	9,500.00
198	Pipe Installation - Open Cut	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	14,800.00	\$	6,970.00	\$	9,500.00	\$	11,500.00
199	DI greater than 48-inch to 60-inch	Additional Footage, up to 6 feet deep	LF	\$	300.00	\$	38.00	\$	60.00	\$	65.00
200		Additional Footage, greater than 6 feet to 10 feet deep	LF	\$	320.00	\$	48.00	\$	70.00	\$	75.00
201		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	380.00	\$	64.00	\$	80.00	\$	85.00
202		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	600.00	\$	76.00	\$	95.00	\$	125.00
203		Point Repair, up to 6 feet deep	EA	\$	7,200.00	\$	2,750.00	\$	3,000.00	\$	4,000.00
204		Point Repair, greater than 6 feet to 10 feet deep	EA	\$	8,400.00	\$	3,250.00	\$	4,000.00	\$	5,000.00
205		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	10,700.00	\$	3,940.00	\$	6,000.00	\$	6,000.00
206	Pipe Installation - Open Cut	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	12,000.00	\$	4,850.00	\$	8,000.00	\$	8,000.00
207	RC up to 16-inch	Additional Footage, up to 6 feet deep	LF	\$	48.00	\$	38.00	\$	30.00	\$	50.00
208		Additional Footage, greater than 6 feet to 10 feet deep	LF	\$	72.00	\$	48.00	\$	40.00	\$	60.00
209		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	72.00	\$	64.00	\$	50.00	\$	70.00
210		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	84.00	\$	76.00	\$	70.00	\$	90.00
211		Point Repair, up to 6 feet deep	EA	\$	14,000.00	\$	3,140.00	\$	3,500.00	\$	4,500.00
212		Point Repair, greater than 6 feet to 10 feet deep	EA	\$	14,800.00	\$	3,210.00	\$	4,500.00	\$	5,500.00
213		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	16,800.00	\$	4,115.00	\$	6,000.00	\$	6,500.00
214	Pipe Installation - Open Cut	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	18,800.00	\$	4,980.00	\$	8,000.00	\$	8,500.00
215	RC greater than 16-inch to 24-inch	Additional Footage, up to 6 feet deep	LF	\$	120.00	\$	38.00	\$	35.00	\$	50.00
216		Additional Footage, greater than 6 feet to 10 feet deep	LF	\$	120.00	\$	40.00	\$	45.00	\$	60.00
217		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	210.00	\$	43.00	\$	55.00	\$	70.00
218		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	280.00	\$	65.00	\$	75.00	\$	90.00
219		Point Repair, up to 6 feet deep	EA	\$	16,800.00	\$	2,900.00	\$	3,500.00	\$	5,000.00
220		Point Repair, greater than 6 feet to 10 feet deep	EA	\$	16,800.00	\$	3,000.00	\$	4,500.00	\$	6,000.00
221		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	18,800.00	\$	4,170.00	\$	6,000.00	\$	7,000.00
222	Pipe Installation - Open Cut	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	18,800.00	\$	5,240.00	\$	8,000.00	\$	9,000.00
223	RC greater than 24-inch to 36-inch	Additional Footage, up to 6 feet deep	LF	\$	180.00	\$	38.00	\$	35.00	\$	60.00
224		Additional Footage, greater than 6 feet to 10 feet deep	LF	\$	200.00	\$	40.00	\$	45.00	\$	70.00
225		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	210.00	\$	44.00	\$	55.00	\$	80.00
226		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	210.00	\$	69.00	\$	75.00	\$	100.00
227		Point Repair, up to 6 feet deep	EA	\$	300.00	\$	2,900.00	\$	3,500.00	\$	5,500.00
228		Point Repair, greater than 6 feet to 10 feet deep	EA	\$	18,800.00	\$	3,000.00	\$	4,500.00	\$	6,500.00
229		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	18,800.00	\$	4,170.00	\$	6,000.00	\$	8,000.00
230	Pipe Installation - Open Cut	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	20,000.00	\$	5,240.00	\$	8,000.00	\$	10,000.00
231	RC greater than 36-inch to 48-inch	Additional Footage, up to 6 feet deep	LF	\$	202,000.00	\$	38.00	\$	40.00	\$	65.00
232		Additional Footage, greater than 6 feet to 10 feet deep	LF	\$	200.00	\$	40.00	\$	50.00	\$	75.00
233		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	210.00	\$	43.00	\$	60.00	\$	85.00
234		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	220.00	\$	65.00	\$	80.00	\$	120.00
235		Point Repair, up to 6 feet deep	EA	\$	240.00	\$	3,850.00	\$	3,500.00	\$	5,500.00
236		Point Repair, greater than 6 feet to 10 feet deep	EA	\$	18,000.00	\$	4,940.00	\$	4,500.00	\$	6,500.00
237		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	18,800.00	\$	4,910.00	\$	6,000.00	\$	9,500.00
238	Pipe Installation - Open Cut	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	20,000.00	\$	5,700.00	\$	8,000.00	\$	11,000.00
239	RC greater than 48-inch to 60-inch	Additional Footage, up to 6 feet deep	LF	\$	300.00	\$	68.00	\$	55.00	\$	70.00
240		Additional Footage, greater than 6 feet to 10 feet deep	LF	\$	310.00	\$	65.00	\$	65.00	\$	80.00
241		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	320.00	\$	80.00	\$	75.00	\$	90.00
242		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	340.00	\$	98.00	\$	85.00	\$	125.00
243		Point Repair, up to 10 feet deep	EA	\$	20,800.00	\$	3,750.00	\$	5,000.00	\$	8,500.00
244		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	24,000.00	\$	4,700.00	\$	7,000.00	\$	9,500.00
245	Pipe Installation - Open Cut	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	26,000.00	\$	6,430.00	\$	9,000.00	\$	11,500.00
246	RC greater than 60-inch to 72-inch	Additional Footage, up to 10 feet deep	LF	\$	1,200.00	\$	78.00	\$	70.00	\$	115.00
247		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	1,400.00	\$	79.00	\$	80.00	\$	135.00
248		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	1,600.00	\$	100.00	\$	95.00	\$	165.00
249		Point Repair, up to 10 feet deep	EA	\$	14,000.00	\$	5,390.00	\$	5,500.00	\$	8,500.00
250		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	24,800.00	\$	5,670.00	\$	7,500.00	\$	10,500.00
251	Pipe Installation - Open Cut	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	26,000.00	\$	6,280.00	\$	9,500.00	\$	12,500.00
252	RC greater than 72-inch to 84-inch	Additional Footage, up to 10 feet deep	LF	\$	600.00	\$	78.00	\$	75.00	\$	165.00
253		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	600.00	\$	79.00	\$	95.00	\$	185.00
254		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	600.00	\$	74.00	\$	110.00	\$	215.00
255		Point Repair, up to 10 feet deep	EA	\$	32,000.00	\$	5,945.00	\$	6,000.00	\$	11,000.00
256		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	32,600.00	\$	6,340.00	\$	7,500.00	\$	13,000.00
257	Pipe Installation - Open Cut	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	32,800.00	\$	8,370.00	\$	9,500.00	\$	15,000.00
258	RC greater than 84-inch to 96-inch	Additional Footage, up to 10 feet deep	LF	\$	600.00	\$	100.00	\$	80.00	\$	165.00
259		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	680.00	\$	114.00	\$	100.00	\$	195.00
260		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	680.00	\$	140.00	\$	120.00	\$	255.00
261		Point Repair, up to 10 feet deep	EA	\$	38,000.00	\$	5,950.00	\$	7,000.00	\$	12,000.00
262		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	40,000.00	\$	6,940.00	\$	8,000.00	\$	14,000.00

263	Pipe Installation - Open Cut	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	42,000.00	\$	8,470.00	\$	9,500.00	\$	16,000.00
264	RC greater than 96-inch to 108-inch	Additional Footage, up to 10 feet deep	LF	\$	600.00	\$	78.00	\$	90.00	\$	215.00
265		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	680.00	\$	179.00	\$	110.00	\$	245.00
266		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	680.00	\$	194.00	\$	130.00	\$	285.00
267		Point Repair, up to 6 feet deep	EA	\$	3,800.00	\$	1,345.00	\$	2,500.00	\$	4,000.00
268		Point Repair, greater than 6 feet to 10 feet deep	EA	\$	4,800.00	\$	2,100.00	\$	3,000.00	\$	5,000.00
269		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	7,800.00	\$	4,150.00	\$	4,000.00	\$	6,000.00
270	Pipe Installation - Open Cut	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	12,600.00	\$	4,650.00	\$	7,000.00	\$	8,000.00
271	HDPE up to 8-inch	Additional Footage, up to 6 feet deep	LF	\$	10.00	\$	68.00	\$	25.00	\$	40.00
272		Additional Footage, greater than 6 feet to 10 feet deep	LF	\$	32.00	\$	50.00	\$	30.00	\$	50.00
273		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	48.00	\$	60.00	\$	40.00	\$	60.00
274		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	72.00	\$	71.00	\$	60.00	\$	80.00
275		Point Repair, up to 6 feet deep	EA	\$	6,000.00	\$	2,350.00	\$	3,000.00	\$	4,000.00
276		Point Repair, greater than 6 feet to 10 feet deep	EA	\$	8,000.00	\$	2,900.00	\$	4,000.00	\$	5,000.00
277		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	8,800.00	\$	3,800.00	\$	5,000.00	\$	6,000.00
278	Pipe Installation - Open Cut	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	8,850.00	\$	4,500.00	\$	7,000.00	\$	8,000.00
279	HDPE greater than 8-inch to 16-inch	Additional Footage, up to 6 feet deep	LF	\$	52.00	\$	40.00	\$	30.00	\$	40.00
280		Additional Footage, greater than 6 feet to 10 feet deep	LF	\$	74.00	\$	39.00	\$	35.00	\$	50.00
281		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	74.00	\$	44.00	\$	50.00	\$	60.00
282		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	88.00	\$	63.00	\$	70.00	\$	80.00
283		Point Repair, up to 6 feet deep	EA	\$	5,000.00	\$	2,200.00	\$	3,500.00	\$	4,500.00
284		Point Repair, greater than 6 feet to 10 feet deep	EA	\$	5,600.00	\$	2,900.00	\$	4,500.00	\$	5,500.00
285		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	6,000.00	\$	2,500.00	\$	6,000.00	\$	6,500.00
286	Pipe Installation - Open Cut	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	6,800.00	\$	4,700.00	\$	8,000.00	\$	8,500.00
287	HDPE greater than 16-inch to 24-inch	Additional Footage, up to 6 feet deep	LF	\$	80.00	\$	40.00	\$	35.00	\$	45.00
288		Additional Footage, greater than 6 feet to 10 feet deep	LF	\$	88.00	\$	41.00	\$	45.00	\$	55.00
289		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	88.00	\$	53.00	\$	55.00	\$	65.00
290		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	100.00	\$	64.00	\$	75.00	\$	85.00
291		Point Repair, up to 6 feet deep	EA	\$	8,500.00	\$	2,840.00	\$	3,500.00	\$	5,000.00
292		Point Repair, greater than 6 feet to 10 feet deep	EA	\$	8,800.00	\$	3,370.00	\$	4,500.00	\$	6,000.00
293		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	9,400.00	\$	5,350.00	\$	6,000.00	\$	7,000.00
294	Pipe Installation - Open Cut	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	9,500.00	\$	5,945.00	\$	8,000.00	\$	9,000.00
295	HDPE greater than 24-inch to 36-inch	Additional Footage, up to 6 feet deep	LF	\$	88.00	\$	40.00	\$	35.00	\$	50.00
296		Additional Footage, greater than 6 feet to 10 feet deep	LF	\$	88.00	\$	43.00	\$	45.00	\$	60.00
297		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	88.00	\$	59.00	\$	55.00	\$	70.00
298		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	90.00	\$	80.00	\$	75.00	\$	90.00
299		Point Repair, up to 6 feet deep	EA	\$	8,800.00	\$	3,050.00	\$	3,500.00	\$	5,500.00
300		Point Repair, greater than 6 feet to 10 feet deep	EA	\$	9,000.00	\$	3,145.00	\$	4,500.00	\$	6,500.00
301		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	9,200.00	\$	4,664.00	\$	6,000.00	\$	7,500.00
302	Pipe Installation - Open Cut	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	9,800.00	\$	5,480.00	\$	8,000.00	\$	9,500.00
303	HDPE greater than 36-inch to 48-inch	Additional Footage, up to 6 feet deep	LF	\$	88.00	\$	42.00	\$	40.00	\$	55.00
304		Additional Footage, greater than 6 feet to 10 feet deep	LF	\$	88.00	\$	44.00	\$	50.00	\$	65.00
305		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	108.00	\$	60.00	\$	65.00	\$	75.00
306		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	190.00	\$	75.00	\$	85.00	\$	95.00
307		Point Repair, up to 6 feet deep	EA	\$	10,800.00	\$	2,890.00	\$	3,500.00	\$	5,500.00
308		Point Repair, greater than 6 feet to 10 feet deep	EA	\$	10,800.00	\$	3,976.00	\$	4,500.00	\$	6,500.00
309		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	10,800.00	\$	5,170.00	\$	6,000.00	\$	8,500.00
310	Pipe Installation - Open Cut	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	12,000.00	\$	6,490.00	\$	8,000.00	\$	10,000.00
311	HDPE greater than 48-inch to 60-inch	Additional Footage, up to 6 feet deep	LF	\$	90.00	\$	54.00	\$	55.00	\$	60.00
312		Additional Footage, greater than 6 feet to 10 feet deep	LF	\$	110.00	\$	63.00	\$	65.00	\$	70.00
313		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	120.00	\$	75.00	\$	75.00	\$	80.00
314		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	180.00	\$	84.00	\$	85.00	\$	125.00
315		Point Repair, up to 6 feet deep	EA	\$	3,200.00	\$	2,790.00	\$	3,000.00	\$	4,000.00
316		Point Repair, greater than 6 feet to 10 feet deep	EA	\$	6,200.00	\$	3,150.00	\$	3,500.00	\$	5,000.00
317		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	6,800.00	\$	4,850.00	\$	5,500.00	\$	6,000.00
318	Pipe Installation - Open Cut	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	7,200.00	\$	6,200.00	\$	7,500.00	\$	8,000.00
319	CM up to 15-inch	Additional Footage, up to 6 feet deep	LF	\$	62.00	\$	2,150.00	\$	30.00	\$	40.00
320		Additional Footage, greater than 6 feet to 10 feet deep	LF	\$	68.00	\$	2,830.00	\$	40.00	\$	45.00
321		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	72.00	\$	4,490.00	\$	50.00	\$	50.00
322		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	84.00	\$	5,381.00	\$	70.00	\$	60.00
323		Point Repair, up to 6 feet deep	EA	\$	4,800.00	\$	2,894.00	\$	3,500.00	\$	4,000.00
324		Point Repair, greater than 6 feet to 10 feet deep	EA	\$	5,200.00	\$	2,996.00	\$	4,500.00	\$	5,000.00
325		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	5,800.00	\$	4,472.00	\$	6,000.00	\$	6,000.00
326	Pipe Installation - Open Cut	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	6,000.00	\$	5,474.00	\$	8,000.00	\$	8,000.00
327	CM greater than 15-inch to 24-inch	Additional Footage, up to 6 feet deep	LF	\$	66.00	\$	28.00	\$	35.00	\$	40.00
328		Additional Footage, greater than 6 feet to 10 feet deep	LF	\$	66.00	\$	31.00	\$	45.00	\$	45.00
329		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	68.00	\$	49.00	\$	55.00	\$	50.00
330		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	84.00	\$	64.00	\$	75.00	\$	70.00
331		Point Repair, up to 6 feet deep	EA	\$	8,000.00	\$	2,894.00	\$	3,500.00	\$	4,000.00
332		Point Repair, greater than 6 feet to 10 feet deep	EA	\$	8,200.00	\$	2,948.00	\$	4,500.00	\$	5,000.00
333		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	8,400.00	\$	4,581.00	\$	6,000.00	\$	6,000.00
334	Pipe Installation - Open Cut	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	8,600.00	\$	5,494.00	\$	8,000.00	\$	8,000.00
335	CM greater than 24-inch to 36-inch	Additional Footage, up to 6 feet deep	LF	\$	68.00	\$	28.00	\$	35.00	\$	45.00
336		Additional Footage, greater than 6 feet to 10 feet deep	LF	\$	72.00	\$	31.00	\$	45.00	\$	50.00
337		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	74.00	\$	49.00	\$	55.00	\$	55.00
338		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	92.00	\$	64.00	\$	75.00	\$	80.00
339		Point Repair, up to 6 feet deep	EA	\$	8,800.00	\$	2,949.00	\$	3,500.00	\$	5,000.00
340		Point Repair, greater than 6 feet to 10 feet deep	EA	\$	9,200.00	\$	3,640.00	\$	4,500.00	\$	6,000.00
341		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	9,400.00	\$	4,790.00	\$	6,000.00	\$	7,000.00
342	Pipe Installation - Open Cut	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	10,000.00	\$	5,290.00	\$	8,000.00	\$	9,000.00
343	CM greater than 36-inch to 48-inch	Additional Footage, up to 6 feet deep	LF	\$	110.00	\$	41.00	\$	40.00	\$	60.00
344		Additional Footage, greater than 6 feet to 10 feet deep	LF	\$	110.00	\$	53.00	\$	50.00	\$	70.00
345		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	120.00	\$	70.00	\$	65.00	\$	80.00
346		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	180.00	\$	81.00	\$	85.00	\$	100.00
347		Point Repair, up to 6 feet deep	EA	\$	9,000.00	\$	3,800.00	\$	3,500.00	\$	5,500.00
348		Point Repair, greater than 6 feet to 10 feet deep	EA	\$	9,200.00	\$	4,670.00	\$	4,500.00	\$	6,500.00
349		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	9,400.00	\$	5,392.00	\$	6,000.00	\$	9,500.00
350	Pipe Installation - Open Cut	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	9,600.00	\$	5,874.00	\$	8,000.00	\$	11,500.00
351	CM greater than 48-inch to 60-inch	Additional Footage, up to 6 feet deep	LF	\$	110.00	\$	70.00	\$	55.00	\$	70.00
352		Additional Footage, greater than 6 feet to 10 feet deep	LF	\$	120.00	\$	54.00	\$	65.00	\$	80.00
353		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	140.00	\$	76.00	\$	75.00	\$	90.00

354		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	180.00	\$	92.00	\$	85.00	\$	125.00
355		Point Repair, up to 10 feet deep	EA	\$	12,000.00	\$	2,930.00	\$	4,500.00	\$	8,500.00
356		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	12,200.00	\$	3,100.00	\$	6,000.00	\$	9,500.00
357	Pipe Installation - Open Cut	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	12,800.00	\$	4,250.00	\$	8,000.00	\$	11,500.00
358	CM greater than 60-inch to 72-inch	Additional Footage, up to 10 feet deep	LF	\$	120.00	\$	50.00	\$	65.00	\$	75.00
359		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	180.00	\$	65.00	\$	75.00	\$	95.00
360		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	200.00	\$	70.00	\$	85.00	\$	135.00
361		Point Repair, up to 10 feet deep	EA	\$	12,080.00	\$	2,930.00	\$	4,500.00	\$	8,500.00
362		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	12,800.00	\$	4,250.00	\$	6,000.00	\$	10,500.00
363	Pipe Installation - Open Cut	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	14,000.00	\$	5,111.00	\$	8,000.00	\$	12,500.00
364	CM greater than 72-inch to 84-inch	Additional Footage, up to 10 feet deep	LF	\$	200.00	\$	41.00	\$	65.00	\$	80.00
365		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	200.00	\$	53.00	\$	75.00	\$	110.00
366		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	200.00	\$	70.00	\$	85.00	\$	155.00
367		Point Repair, up to 10 feet deep	EA	\$	12,800.00	\$	3,800.00	\$	4,500.00	\$	11,000.00
368		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	12,800.00	\$	4,250.00	\$	6,000.00	\$	13,000.00
369	Pipe Installation - Open Cut	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	12,800.00	\$	4,860.00	\$	8,000.00	\$	15,000.00
370	CM greater than 84-inch to 96-inch	Additional Footage, up to 10 feet deep	LF	\$	200.00	\$	50.00	\$	65.00	\$	85.00
371		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	200.00	\$	65.00	\$	75.00	\$	115.00
372		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	280.00	\$	70.00	\$	85.00	\$	165.00
373		Point Repair, up to 6 feet deep	EA	\$	10,200.00	\$	3,460.00	\$	5,000.00	\$	4,000.00
374		Point Repair, greater than 6 feet to 10 feet deep	EA	\$	10,800.00	\$	3,270.00	\$	6,000.00	\$	5,000.00
375		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	12,000.00	\$	5,740.00	\$	7,000.00	\$	6,000.00
376	Pipe Installation - Open Cut	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	12,800.00	\$	5,894.00	\$	9,000.00	\$	8,000.00
377	FRPM 18-inch to 24-inch	Additional Footage, up to 6 feet deep	LF	\$	120.00	\$	28.00	\$	50.00	\$	40.00
378		Additional Footage, greater than 6 feet to 10 feet deep	LF	\$	120.00	\$	35.00	\$	60.00	\$	50.00
379		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	210.00	\$	70.00	\$	70.00	\$	60.00
380		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	280.00	\$	98.00	\$	90.00	\$	80.00
381		Point Repair, up to 6 feet deep	EA	\$	10,500.00	\$	3,150.00	\$	5,000.00	\$	4,000.00
382		Point Repair, greater than 6 feet to 10 feet deep	EA	\$	10,800.00	\$	4,220.00	\$	6,000.00	\$	5,000.00
383		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	10,800.00	\$	2,750.00	\$	7,000.00	\$	6,000.00
384	Pipe Installation - Open Cut	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	10,800.00	\$	3,270.00	\$	9,000.00	\$	8,000.00
385	FRPM greater than 24-inch to 36-inch	Additional Footage, up to 6 feet deep	LF	\$	180.00	\$	38.00	\$	55.00	\$	45.00
386		Additional Footage, greater than 6 feet to 10 feet deep	LF	\$	210.00	\$	53.00	\$	65.00	\$	55.00
387		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	240.00	\$	42.00	\$	75.00	\$	65.00
388		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	310.00	\$	98.00	\$	95.00	\$	85.00
389		Point Repair, up to 6 feet deep	EA	\$	10,000.00	\$	4,970.00	\$	5,000.00	\$	4,500.00
390		Point Repair, greater than 6 feet to 10 feet deep	EA	\$	10,200.00	\$	4,980.00	\$	6,000.00	\$	5,500.00
391		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	10,400.00	\$	5,650.00	\$	7,000.00	\$	6,500.00
392	Pipe Installation - Open Cut	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	10,000.00	\$	7,640.00	\$	9,000.00	\$	8,500.00
393	FRPM greater than 36-inch to 48-inch	Additional Footage, up to 6 feet deep	LF	\$	210.00	\$	43.00	\$	60.00	\$	50.00
394		Additional Footage, greater than 6 feet to 10 feet deep	LF	\$	210.00	\$	40.00	\$	70.00	\$	60.00
395		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	210.00	\$	78.00	\$	80.00	\$	70.00
396		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	240.00	\$	80.00	\$	95.00	\$	90.00
397		Point Repair, up to 6 feet deep	EA	\$	10,800.00	\$	4,115.00	\$	5,500.00	\$	5,500.00
398		Point Repair, greater than 6 feet to 10 feet deep	EA	\$	10,000.00	\$	5,300.00	\$	6,500.00	\$	6,500.00
399		Point Repair, greater than 10 feet to 14 feet deep	EA	\$	10,800.00	\$	5,800.00	\$	7,500.00	\$	9,500.00
400	Pipe Installation - Open Cut	Point Repair, greater than 14 feet to 18 feet deep	EA	\$	14,800.00	\$	6,900.00	\$	9,500.00	\$	11,500.00
401	FRPM greater than 48-inch to 60-inch	Additional Footage, up to 6 feet deep	LF	\$	210.00	\$	48.00	\$	60.00	\$	60.00
402		Additional Footage, greater than 6 feet to 10 feet deep	LF	\$	210.00	\$	64.00	\$	70.00	\$	70.00
403		Additional Footage, greater than 10 feet to 14 feet deep	LF	\$	210.00	\$	96.00	\$	80.00	\$	80.00
404		Additional Footage, greater than 14 feet to 18 feet deep	LF	\$	210.00	\$	106.00	\$	95.00	\$	125.00
405		Up to 6 feet deep	LF	\$	56.00	\$	40.00	\$	90.00	\$	35.00
406	Pipe Installation - Open Cut	Greater than 6 feet to 10 feet deep	LF	\$	62.00	\$	42.00	\$	95.00	\$	45.00
407	Steel Casing up to 18-inch	Greater than 10 feet to 14 feet deep	LF	\$	78.00	\$	55.00	\$	100.00	\$	60.00
408		Greater than 14 feet to 18 feet deep	LF	\$	82.00	\$	60.00	\$	120.00	\$	75.00
409		Weld	EA	\$	2,400.00	\$	65.00	\$	50.00	\$	600.00
410		Up to 6 feet deep	LF	\$	72.00	\$	68.00	\$	105.00	\$	45.00
411	Pipe Installation - Open Cut	Greater than 6 feet to 10 feet deep	LF	\$	120.00	\$	75.00	\$	115.00	\$	55.00
412	Steel Casing greater than 18-inch to 24-inch	Greater than 10 feet to 14 feet deep	LF	\$	240.00	\$	96.00	\$	125.00	\$	70.00
413		Greater than 14 feet to 18 feet deep	LF	\$	310.00	\$	100.00	\$	140.00	\$	80.00
414		Weld	EA	\$	3,200.00	\$	240.00	\$	60.00	\$	750.00
415		Up to 6 feet deep	LF	\$	84.00	\$	28.00	\$	195.00	\$	45.00
416	Pipe Installation - Open Cut	Greater than 6 feet to 10 feet deep	LF	\$	120.00	\$	60.00	\$	205.00	\$	55.00
417	Steel Casing greater than 24-inch to 36-inch	Greater than 10 feet to 14 feet deep	LF	\$	180.00	\$	64.00	\$	215.00	\$	70.00
418		Greater than 14 feet to 18 feet deep	LF	\$	240.00	\$	90.00	\$	230.00	\$	80.00
419		Weld	EA	\$	4,200.00	\$	210.00	\$	100.00	\$	1,000.00
420		Up to 6 feet deep	LF	\$	480.00	\$	205.00	\$	265.00	\$	50.00
421	Pipe Installation - Open Cut	Greater than 6 feet to 10 feet deep	LF	\$	510.00	\$	172.00	\$	275.00	\$	60.00
422	Steel Casing greater than 36-inch to 48-inch	Greater than 10 feet to 14 feet deep	LF	\$	610.00	\$	540.00	\$	295.00	\$	75.00
423		Greater than 14 feet to 18 feet deep	LF	\$	620.00	\$	185.00	\$	315.00	\$	95.00
424		Weld	EA	\$	3,200.00	\$	190.00	\$	150.00	\$	850.00
425		Non Steered	LF	\$	210.00	\$	510.00	\$	170.00	\$	225.00
426		Steered	LF	\$	300.00	\$	210.00	\$	205.00	\$	280.00
427	Cased Bore 12"	Rock Bore (Additional Per)	LF	\$	560.00	\$	209.00	\$	500.00	\$	750.00
428		Casing Thickness .375 (Additional Per)	LF	\$	120.00	\$	540.00	\$	15.00	\$	30.00
429		Casing Thickness .50 (Additional Per)	LF	\$	180.00	\$	203.00	\$	20.00	\$	40.00
430		Non Steered	LF	\$	420.00	\$	294.00	\$	260.00	\$	265.00
431		Steered	LF	\$	560.00	\$	240.00	\$	275.00	\$	305.00
432	Cased Bore 18"	Rock Bore (Additional Per)	LF	\$	620.00	\$	550.00	\$	500.00	\$	850.00
433		Casing Thickness .375 (Additional Per)	LF	\$	200.00	\$	380.00	\$	25.00	\$	30.00
434		Casing Thickness .50 (Additional Per)	LF	\$	216.00	\$	360.00	\$	30.00	\$	40.00
435		Non Steered	LF	\$	680.00	\$	390.00	\$	320.00	\$	275.00
436		Steered	LF	\$	720.00	\$	410.00	\$	350.00	\$	325.00
437	Cased Bore 24"	Rock Bore (Additional Per)	LF	\$	800.00	\$	340.00	\$	500.00	\$	895.00
438		Casing Thickness .375 (Additional Per)	LF	\$	210.00	\$	240.00	\$	0.50	\$	30.00
439		Casing Thickness .50 (Additional Per)	LF	\$	310.00	\$	510.00	\$	31.00	\$	40.00
440		Non Steered	LF	\$	700.00	\$	390.00	\$	430.00	\$	285.00
441		Steered	LF	\$	720.00	\$	410.00	\$	465.00	\$	335.00
442	Cased Bore 36"	Rock Bore (Additional Per)	LF	\$	780.00	\$	240.00	\$	600.00	\$	995.00
443		Casing Thickness .375 (Additional Per)	LF	\$	180.00	\$	480.00	\$	0.50	\$	50.00
444		Casing Thickness .50 (Additional Per)	LF	\$	210.00	\$	240.00	\$	0.50	\$	60.00

445		Non Steered	LF	\$	850.00	\$	560.00	\$	725.00	\$	550.00
446		Steered	LF	\$	1,200.00	\$	390.00	\$	725.00	\$	625.00
447	Cased Bore 48"	Rock Bore (Additional Per)	LF	\$	210.00	\$	419.00	\$	700.00	\$	1,025.00
448		Casing Thickness .375 (Additional Per)	LF	\$	150.00	\$	370.00	\$	0.50	\$	50.00
449		Casing Thickness 50 (Additional Per)	LF	\$	180.00	\$	480.00	\$	0.50	\$	60.00
450		Up to 6 feet deep	VF	\$	100.00	\$	188.00	\$	200.00	\$	250.00
451	Bore Entry Pit	Greater than 6 feet deep to 12 feet deep	VF	\$	200.00	\$	290.00	\$	220.00	\$	285.00
452		Greater than 12 feet deep to 18 feet deep	VF	\$	200.00	\$	210.00	\$	250.00	\$	315.00
453		Greater than 18 feet deep	VF	\$	240.00	\$	790.00	\$	625.00	\$	725.00
454	Bore Receiving Pit	Up to 6 feet deep	VF	\$	50.00	\$	198.00	\$	100.00	\$	225.00
455		Greater than 6 feet deep to 12 feet deep	VF	\$	50.00	\$	290.00	\$	120.00	\$	275.00
456		Greater than 12 feet deep to 18 feet deep	VF	\$	50.00	\$	510.00	\$	150.00	\$	300.00
457		Greater than 18 feet deep	VF	\$	50.00	\$	790.00	\$	250.00	\$	700.00
458	Pipe Insertion into Steel Casing PVC up to 8-inch		LF	\$	20.00	\$	30.00	\$	50.00	\$	25.00
459	Pipe Insertion into Steel Casing PVC greater than 8-inch to 16-inch		LF	\$	20.00	\$	30.00	\$	65.00	\$	28.00
460	Pipe Insertion into Steel Casing PVC greater than 16-inch to 24-inch		LF	\$	24.00	\$	30.00	\$	95.00	\$	35.00
461	Pipe Insertion into Steel Casing DI up to 8-inch		LF	\$	20.00	\$	30.00	\$	50.00	\$	28.00
462	Pipe Insertion into Steel Casing DI greater than 8-inch to 16-inch		LF	\$	20.00	\$	30.00	\$	65.00	\$	30.00
463	Pipe Insertion into Steel Casing DI greater than 16-inch to 24-inch		LF	\$	32.00	\$	30.00	\$	95.00	\$	35.00
464	Pipe Insertion into Steel Casing DI greater than 24-inch to 36-inch		LF	\$	48.00	\$	30.00	\$	105.00	\$	45.00
465	Polyethylene Pipe Encasement	For Pipe up to 16-inch	LF	\$	15.00	\$	8.00	\$	5.00	\$	7.00
466		For Pipe greater than 16-inch to 24-inch	LF	\$	16.00	\$	9.00	\$	6.00	\$	7.00
467		For Pipe greater than 24-inch to 36-inch	LF	\$	18.00	\$	10.00	\$	7.00	\$	7.00
468		For Pipe greater than 36-inch to 48-inch	LF	\$	25.00	\$	14.00	\$	8.00	\$	7.00
469	Core Into Pipe	Up to 2-inch core into pipe	EA	\$	1,200.00	\$	900.00	\$	700.00	\$	875.00
470		Greater than 2-inch to 6-inch core into pipe	EA	\$	1,200.00	\$	1,000.00	\$	800.00	\$	1,025.00
471		8-inch core into pipe	EA	\$	1,200.00	\$	1,000.00	\$	900.00	\$	1,225.00
472		10-inch core into pipe	EA	\$	1,800.00	\$	2,250.00	\$	1,000.00	\$	1,325.00
473		12-inch core into pipe	EA	\$	2,400.00	\$	1,310.00	\$	1,200.00	\$	1,425.00
474		16-inch core into pipe	EA	\$	2,800.00	\$	4,050.00	\$	3,000.00	\$	4,825.00
475		18-inch core into pipe	EA	\$	3,000.00	\$	5,280.00	\$	5,000.00	\$	6,575.00
476		20-inch core into pipe	EA	\$	3,400.00	\$	5,800.00	\$	6,000.00	\$	7,225.00
477	24-inch core into pipe	EA	\$	3,800.00	\$	6,940.00	\$	7,000.00	\$	7,775.00	
478	Connect Fitting / Valve to Pipe Brass / Bronze Fitting / Valve	up to 2-inch	EA	\$	600.00	\$	310.00	\$	200.00	\$	550.00
479	Connect Fitting / Valve to Pipe PVC Fitting / Valve	up to 8-inch	EA	\$	600.00	\$	390.00	\$	300.00	\$	950.00
480	Connect Fitting / Valve to Pipe PVC Fitting / Valve	Greater than 8-inch to 16-inch	EA	\$	750.00	\$	680.00	\$	500.00	\$	1,750.00
481	Connect Fitting / Valve to Pipe PVC Fitting / Valve	Greater than 16-inch to 24-inch	EA	\$	850.00	\$	690.00	\$	700.00	\$	2,150.00
482	Connect Fitting / Valve to Pipe DI Fitting / Valve	up to 8-inch	EA	\$	880.00	\$	390.00	\$	300.00	\$	1,550.00
483	Connect Fitting / Valve to Pipe DI Fitting / Valve	Greater than 8-inch to 16-inch	EA	\$	1,200.00	\$	70.00	\$	500.00	\$	1,950.00
484	Connect Fitting / Valve to Pipe DI Fitting / Valve	Greater than 16-inch to 24-inch	EA	\$	1,600.00	\$	1,350.00	\$	800.00	\$	2,625.00
485	Connect Fitting / Valve to Pipe DI Fitting / Valve	Greater than 24-inch to 36-inch	EA	\$	1,800.00	\$	1,290.00	\$	1,000.00	\$	3,325.00
486	Connect Fitting / Valve to Pipe DI Fitting / Valve	Greater than 36-inch to 48-inch	EA	\$	1,800.00	\$	1,290.00	\$	1,500.00	\$	5,225.00
487	Fire Hydrant Installation	Up to 5-foot Bury Depth	EA	\$	1,500.00	\$	800.00	\$	400.00	\$	2,300.00
488		Greater than 5-foot Bury Depth	EA	\$	1,600.00	\$	800.00	\$	600.00	\$	2,500.00
489		Post Hydrant	EA	\$	800.00	\$	950.00	\$	400.00	\$	2,300.00
490	Fire Hydrant (Existing) Vertical Adjustment		VF	\$	500.00	\$	230.00	\$	200.00	\$	350.00
491	Fire Hydrant Removal	Up to 5-foot Bury Depth	EA	\$	1,400.00	\$	890.00	\$	400.00	\$	800.00
492		Greater than 5-foot Bury Depth	EA	\$	1,400.00	\$	840.00	\$	800.00	\$	850.00
493		Post Hydrant	EA	\$	800.00	\$	960.00	\$	400.00	\$	650.00
494	Air / Vacuum Release Valve Installation		EA	\$	1,400.00	\$	230.00	\$	1,200.00	\$	1,925.00
495	Concrete Thrust Restraint	Tie-Back	EA	\$	800.00	\$	850.00	\$	700.00	\$	1,100.00
496		Block for Pipe up to 16-inch	EA	\$	600.00	\$	850.00	\$	500.00	\$	1,550.00
497		Block for Pipe greater than 16-inch to 24-inch	EA	\$	680.00	\$	990.00	\$	700.00	\$	1,850.00
498		Block for Pipe greater than 24-inch to 36-inch	EA	\$	1,280.00	\$	1,000.00	\$	900.00	\$	2,650.00
499	Pipe Collar		CF	\$	200.00	\$	50.00	\$	40.00	\$	125.00
500	Flared End Section Installation	For Pipe up to 16-inch	EA	\$	1,200.00	\$	345.00	\$	300.00	\$	575.00
501		For Pipe greater than 16-inch to 24-inch	EA	\$	2,000.00	\$	396.00	\$	400.00	\$	675.00
502		For Pipe greater than 24-inch to 36-inch	EA	\$	2,000.00	\$	743.00	\$	500.00	\$	875.00
503		For Pipe greater than 36-inch to 48-inch	EA	\$	2,400.00	\$	754.00	\$	600.00	\$	975.00
504		For Pipe up to 16 inch	EA	\$	1,800.00	\$	778.00	\$	600.00	\$	675.00
505	Precast Headwall Installation	For Pipe greater than 16 inch to 24 inch	EA	\$	3,000.00	\$	785.00	\$	700.00	\$	825.00
506		For Pipe greater than 24 inch to 36 inch	EA	\$	3,200.00	\$	800.00	\$	700.00	\$	975.00
507		For Pipe greater than 36 inch to 48 inch	EA	\$	3,200.00	\$	890.00	\$	800.00	\$	1,050.00
508		For Pipe greater than 48 inch to 60 inch	EA	\$	3,400.00	\$	891.00	\$	900.00	\$	1,275.00
509	For Pipe greater than 60 inch to 72 inch	EA	\$	4,000.00	\$	900.00	\$	1,000.00	\$	1,375.00	
510	For Pipe greater than 72 inch to 84 inch	EA	\$	4,800.00	\$	950.00	\$	1,100.00	\$	1,575.00	
511	For Pipe greater than 84 inch to 96 inch	EA	\$	6,000.00	\$	1,150.00	\$	1,200.00	\$	2,125.00	
512	Precast Manhole Installation 4-Foot Diameter	Base Slab	EA	\$	1,200.00	\$	650.00	\$	500.00	\$	375.00
513		Riser	VF	\$	100.00	\$	50.00	\$	100.00	\$	325.00
514	Precast Manhole Installation 5-Foot Diameter	Base Slab	EA	\$	2,010.00	\$	650.00	\$	600.00	\$	575.00
515		Riser	VF	\$	120.00	\$	200.00	\$	120.00	\$	425.00
516	Precast Manhole Installation 6-Foot Diameter	Base Slab	EA	\$	2,400.00	\$	900.00	\$	700.00	\$	650.00
517		Riser	VF	\$	120.00	\$	140.00	\$	130.00	\$	450.00
518	Precast Manhole Installation 7-Foot Diameter	Base Slab	EA	\$	4,200.00	\$	1,140.00	\$	1,000.00	\$	700.00
519		Riser	VF	\$	230.00	\$	170.00	\$	150.00	\$	525.00
520	Precast Manhole Installation 8-Foot Diameter	Base Slab	EA	\$	4,800.00	\$	1,670.00	\$	2,000.00	\$	1,625.00
521		Riser	VF	\$	280.00	\$	370.00	\$	200.00	\$	875.00
522	Precast Manhole Installation 9-Foot Diameter	Base Slab	EA	\$	5,200.00	\$	4,130.00	\$	3,000.00	\$	3,375.00
523		Riser	VF	\$	300.00	\$	340.00	\$	250.00	\$	925.00
524	Precast Manhole Installation 10-Foot Diameter	Base Slab	EA	\$	6,000.00	\$	6,460.00	\$	4,000.00	\$	4,250.00
525		Riser	VF	\$	320.00	\$	560.00	\$	300.00	\$	975.00
526	Precast Box / Vault Installation Up to 5-Foot by 5-Foot	Base Slab	EA	\$	1,200.00	\$	800.00	\$	600.00	\$	2,800.00
527		Riser	VF	\$	200.00	\$	215.00	\$	120.00	\$	275.00
528	Precast Box / Vault Installation	Base Slab	EA	\$	3,400.00	\$	2,870.00	\$	2,000.00	\$	2,800.00

529	Greater than 5-Foot by 5-Foot to 8-Foot by 8-Foot	Riser	VF	\$	320.00	\$	215.00	\$	200.00	\$	325.00
530	Precast Box / Vault Installation	Base Slab	EA	\$	3,600.00	\$	2,890.00	\$	3,000.00	\$	4,550.00
531	8-Foot by 12-Foot	Riser	VF	\$	200.00	\$	180.00	\$	250.00	\$	350.00
532	Precast Box / Vault Installation	Base Slab	EA	\$	3,800.00	\$	4,430.00	\$	4,000.00	\$	4,800.00
533	8-Foot by 16-Foot	Riser	VF	\$	300.00	\$	460.00	\$	300.00	\$	375.00
534	Manhole Invert Construction	Cast-in-Place Concrete	EA	\$	600.00	\$	560.00	\$	450.00	\$	550.00
535	4-Foot Diameter Manhole	Brick and Mortar	EA	\$	800.00	\$	580.00	\$	450.00	\$	575.00
536	Manhole Invert Construction	Cast-in-Place Concrete	EA	\$	1,200.00	\$	77.00	\$	550.00	\$	600.00
537	5-Foot Diameter Manhole	Brick and Mortar	EA	\$	1,600.00	\$	450.00	\$	550.00	\$	625.00
538	Manhole Invert Construction	Cast-in-Place Concrete	EA	\$	1,800.00	\$	450.00	\$	650.00	\$	650.00
539	6-Foot Diameter Manhole	Brick and Mortar	EA	\$	2,200.00	\$	590.00	\$	650.00	\$	675.00
540	Manhole Invert Construction	Cast-in-Place Concrete	EA	\$	2,200.00	\$	970.00	\$	800.00	\$	725.00
541	7-Foot Diameter Manhole	Brick and Mortar	EA	\$	2,200.00	\$	940.00	\$	800.00	\$	750.00
542	Manhole Invert Construction	Cast-in-Place Concrete	EA	\$	2,800.00	\$	845.00	\$	850.00	\$	950.00
543	8-Foot Diameter Manhole	Brick and Mortar	EA	\$	2,980.00	\$	890.00	\$	850.00	\$	9,750.00
544	Manhole Invert Construction	Cast-in-Place Concrete	EA	\$	3,200.00	\$	845.00	\$	900.00	\$	1,125.00
545	9-Foot Diameter Manhole	Brick and Mortar	EA	\$	3,800.00	\$	845.00	\$	900.00	\$	1,150.00
546	Manhole Invert Construction	Cast-in-Place Concrete	EA	\$	4,200.00	\$	845.00	\$	1,000.00	\$	1,450.00
547	10-Foot Diameter Manhole	Brick and Mortar	EA	\$	4,800.00	\$	845.00	\$	1,000.00	\$	1,475.00
548	Other Invert Construction	Cast-in-Place Concrete	SF	\$	10.00	\$	35.00	\$	30.00	\$	35.00
549		Brick and Mortar	SF	\$	28.00	\$	20.00	\$	30.00	\$	40.00
550	Ring and Cover Installation	Installation	EA	\$	400.00	\$	50.00	\$	100.00	\$	225.00
551		Additional Height, Per Brick Layer	EA	\$	100.00	\$	55.00	\$	200.00	\$	150.00
552	Precast Catch Basin Spillway Installation		EA	\$	800.00	\$	700.00	\$	500.00	\$	675.00
553	Precast Catch Basin Top Slab Installation		EA	\$	1,200.00	\$	700.00	\$	500.00	\$	675.00
554		Up to 4-inch diameter core	EA	\$	200.00	\$	340.00	\$	400.00	\$	450.00
555	Concrete Core	Greater than 4-inch to 12-inch diameter core	EA	\$	800.00	\$	340.00	\$	450.00	\$	500.00
556		Greater than 12-inch to 18-inch diameter core	EA	\$	1,200.00	\$	490.00	\$	500.00	\$	600.00
557		Greater than 18-inch to 24-inch diameter core	EA	\$	2,400.00	\$	580.00	\$	550.00	\$	700.00
558		1 Brick Deep Wall Construction	SF	\$	100.00	\$	25.00	\$	45.00	\$	30.00
559	Brick Work	2 Brick Deep Wall Construction	SF	\$	200.00	\$	40.00	\$	70.00	\$	45.00
560		3 Brick Deep Wall Construction	SF	\$	300.00	\$	40.00	\$	95.00	\$	70.00
561		4 Brick Deep Wall Construction	SF	\$	400.00	\$	40.00	\$	120.00	\$	120.00
562		Bulk	CY	\$	480.00	\$	250.00	\$	400.00	\$	550.00
563	Concrete Work	Form Work	SF	\$	40.00	\$	2.00	\$	3.50	\$	5.25
564		Steel Reinforcement	LF	\$	40.00	\$	3.00	\$	6.50	\$	6.75
565		Grout Mixed by Hand	CF	\$	40.00	\$	25.00	\$	30.00	\$	35.00
566	Cementitious Grouting	Grout Mixed by Plant	CY	\$	480.00	\$	350.00	\$	400.00	\$	425.00
567		Pump Mobilization	EA	\$	2,800.00	\$	1,800.00	\$	2,500.00	\$	2,500.00
568	Chemical Grouting	Grout	GAL	\$	680.00	\$	100.00	\$	200.00	\$	275.00
569		Pump Mobilization	EA	\$	4,200.00	\$	1,800.00	\$	2,500.00	\$	2,500.00
570	Pressure Testing	Low Pressure Air	EA	\$	900.00	\$	640.00	\$	500.00	\$	700.00
571		Hydrostatic	EA	\$	2,800.00	\$	600.00	\$	500.00	\$	650.00
572	CCTV Testing	With or Without PACP Assessment	LF	\$	50.00	\$	600.00	\$	1.50	\$	3.00
573	Deformation Testing		LF	\$	80.00	\$	400.00	\$	1.50	\$	3.50
574	Pipe Disinfection		GAL	\$	120.00	\$	400.00	\$	40.00	\$	300.00
575		Superintendent	HR	\$	544.00	\$	40.00	\$	35.00	\$	45.00
576	Hourly Labor	Foreman	HR	\$	736.00	\$	30.00	\$	30.00	\$	42.50
577		Operator	HR	\$	768.00	\$	25.00	\$	25.00	\$	38.00
578		Pipe Layer	HR	\$	448.00	\$	20.00	\$	23.00	\$	37.50
579		Laborer	HR	\$	528.00	\$	24.00	\$	20.00	\$	20.00
580		Dump Truck Driver	HR	\$	480.00	\$	140.00	\$	25.00	\$	30.00
581		78,000 # Class Excavator	HR	\$	704.00	\$	140.00	\$	130.00	\$	135.00
582		52,000 # Class Excavator	HR	\$	576.00	\$	70.00	\$	120.00	\$	115.00
583		45,000 # Class Excavator	HR	\$	416.00	\$	65.00	\$	110.00	\$	110.00
584		17,000 # Class Excavator	HR	\$	384.00	\$	75.00	\$	85.00	\$	100.00
585		10,000 # Class Excavator	HR	\$	336.00	\$	75.00	\$	85.00	\$	95.00
586		30,000 # Class Rubber Tired Loader	HR	\$	384.00	\$	75.00	\$	85.00	\$	95.00
587		Rubber Tired Backhoe / Loader	HR	\$	336.00	\$	75.00	\$	75.00	\$	75.00
588	Hourly Equipment	18,000 # Class Track Dozer	HR	\$	432.00	\$	50.00	\$	85.00	\$	75.00
589		Vibratory Soil Compactor (Ride On) Up to 66-inch compaction width	HR	\$	224.00	\$	45.00	\$	75.00	\$	65.00
590		Vibratory Soil Compactor (Remote Controlled) Up to 48-inch compaction width	HR	\$	192.00	\$	75.00	\$	50.00	\$	65.00
591		Dump Truck (Tandem Rear Axle)	HR	\$	1,440.00	\$	210.00	\$	70.00	\$	95.00
592		Hydro Excavator	HR	\$	2,200.00	\$	240.00	\$	270.00	\$	250.00
593		Utility Truck Fully Equipped with Hand Tools, Air Tools, Cutting Tools, Mudhog Pump, Generator, Air Compressor, Mechanical Tamp	HR	\$	90.00	\$	40.00	\$	25.00	\$	35.00
594	Traffic Control Rental		EA		10%		10%		10%		10%
595	Equipment Rental		EA		10%		10%		10%		10%
596	Supplied Material		EA		10%		10%		10%		10%
597	Specialty Services		EA		10%		10%		10%		10%