



PROPOSED CHANGE ORDER REQUEST

Department of Watershed Management

Contract Name: Consent Decree – Gravity Sewer Rehabilitation and Replacement Date: 3/7/2025
(CD-GSRR)
Contractor: Kemi Construction Company, Inc.
Contract Number: 1201898 Change Order Number: 4
Contract Amendment Category: ☒ Cost ☐ Schedule ☒ Scope ☒ Deliverables

Original Contract \$ Amount:	Contract Start Date:	Original Contract Time:(TERM)	Original Contract End Date:
\$21,359,252.50	1/8/2021	1087	12/31/2023

NTP Start Date:	Original Performance Days:(TIME)	Original Performance End Date:
2/9/2021	1095	2/9/2024

Previous Change Order:	Previous Time Extensions (Days):		Previous Changes to \$ Amount:
Change Order No. 1:	0		\$0.00
Change Order No. 2:	0		\$0.00
Change Order No. 3:	691		\$15,271,478.64
Current Contract Amount:	Current Performance Time (Days):	Current Performance End Date:	Current Contract End Date:
\$36,630,731.14	1786	12/31/2025	12/31/2026

Description of Proposed Changes: Change Order No. 4 is being proposed by the department to complete additional linear footage of small diameter gravity sewer replacement scope. Therefore, the department is requesting additional funding for more sewer realignment, upsizing of existing pipeline and jack and bore scope. The additional funding will be utilized to complete repairs to failing sewer creek crossings and Consent Decree project Roman Court.

Justification of Proposed Changes: The purpose of this Change Order is to provide DeKalb County the ability to continue progress towards the implementation of the County's Mandated Consent Decree yearly minimum footage requirements.

Proposed Additional Performance Days:	Proposed Cumulative Performance Days:	Proposed Performance End Date:	Proposed Contract End Date:
0	NA	NA	NA
Proposed Changes to Dollar Amount:	Proposed Cumulative Contract Amount:		Amount Spent To Date:
\$8,234,753.13	\$44,865,484.27		\$24,651,831.71

Describe Any Risk Associated With This Change: There is no risk for the County if the change is approved. The progress of the renewal of sewers towards the ongoing Consent Decree would be reduced and would have to be accomplished by other means not currently available should the Change Order not be approved.

Effect of NOT Approving This Change: Not approving this Change would mean the remaining GSRR construction work assigned to Kemi will not be completed in the timeframe allowed in the contract as well as critical consent decree deadlines will be missed resulting in potential financial penalties from EPA. Also not approving this Change could lead to cost increases should the remaining construction work have to be performed outside the current contract.

Engineering Manager's Approval:

Signature:
Print Name & Date:

Deputy Director's Approval:

Signature:
Print Name & Date:

Watershed Director's Approval:

Signature:
Print Name & Date:

Purchasing & Contracting's Approval:

Signature:
Print Name & Date:

Chief Operating Officer's Approval:

Signature:
Print Name & Date:

Contract Name: Consent Decree – Gravity Sewer Rehabilitation and Replacement (CD-GSRR)

Contractor: Kemi Construction Company, Inc.

Contract Number: 1201898

ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE			
		Unit	Qty	Unit Price	Initial Extension
ORIGINAL CONTRACT					
1	Work Zone Staging and Traffic Control: FC 17-Collector Street (per link)	EA	33	\$ 3,500.00	\$ 115,500.00
2	Work Zone Staging and Traffic Control: FC 16-Minor Arterial Street (per link)	EA		\$ 2,000.00	\$ -
3	Work Zone Staging and Traffic Control: FC 14-Urban Principal Arterial (per link)	EA		\$ 3,500.00	\$ -
4	Owner's Allowance	Allowance	1	\$ 344,751.43	\$ 344,751.43
5	GPS Locate and Data Collection / Manhole	EA		\$ 750.00	\$ -
6	CCTV Inspection 6"-12" line	LF	3451	\$ 10.00	\$ 34,510.00
7	CCTV Inspection 15"-24" line	LF		\$ 20.00	\$ -
8	Bypass Pump on 12" lower 25 % to 50%	LF		\$ 30.00	\$ -
9	Bypass Pump on 12" lower 50% and Above	LF		\$ 30.00	\$ -
10	Bypass Pump on 15" including 24" Dia. With flow 25% to 50%	LF		\$ 40.00	\$ -
11	Bypass Pump on 15" including 24" Dia. With flow 50% and Above	LF	6670	\$ 40.00	\$ 266,800.00
12	CO Entrance Install And Remove	EA	4	\$ 3,000.00	\$ 12,000.00
13	CO Entrance Install Only	EA		\$ 2,000.00	\$ -
14	Easement Access Road Install and Removal	EA	4074	\$ 60.00	\$ 244,440.00
15	Easement Access Road, Install Only	LF		\$ 40.00	\$ -
16	Light Clearing	SY	5927	\$ 9.00	\$ 53,343.00
17	Medium Clearing	SY	11853	\$ 15.00	\$ 177,795.00
18	Heavy Clearing	Cal./in	7200	\$ 25.00	\$ 180,000.00
19	Rip-Rap Type II	SY	100	\$ 100.00	\$ 10,000.00
20	Rip-Rap Type III	SY		\$ 95.00	\$ -
21	Tree Save fence	LF	1000	\$ 4.00	\$ 4,000.00
22	Check Dam (Hay Bales)	EA	20	\$ 30.00	\$ 600.00
23	Inlet Sediment Trap	EA	2	\$ 250.00	\$ 500.00
24	Temporary Creek Crossing (12"/15" Diameter Pipes Installed)	LF		\$ 150.00	\$ -
25	Temporary Creek Crossing (18"/24" Diameter Pipes Installed)	LF		\$ 250.00	\$ -
26	Temporary Creek Crossing (36" Diameter Pipes Installed)	LF	60	\$ 350.00	\$ 21,000.00
27	Temporary Creek Crossing (42" Diameter Pipes Installed)	LF		\$ 450.00	\$ -
28	Tree and Shrub Replacement -3.5 gal	EA		\$ 175.00	\$ -
29	Chainlink Fence 4ft	LF		\$ 30.00	\$ -
30	Chainlink Fence 6ft	LF		\$ 35.00	\$ -
31	Chain Link Fence (8 - 12 ft.) Removal & Replacement	LF	600	\$ 75.00	\$ 45,000.00
32	Wood Fence (4 ft.) Removal and Replacement	LF		\$ 30.00	\$ -
33	Wood Fence (6 ft.) Removal and Replacement	LF	90	\$ 40.00	\$ 3,600.00
34	Wood Fence (8 ft.) Removal and Replacement	LF	0	\$ 55.00	\$ -
35	Pavement sawcutting, 1-8" thick G-005	LF	50	\$ 15.00	\$ 750.00
36	Pavement Sawcutting additional thickness 1-4"	LF		\$ 10.00	\$ -
37	Unsuitable Soil Replacement (Crusher Run)	CY	175	\$ 55.00	\$ 9,625.00
38	Unsuitable Soil Replacement (Imported fill)	CY		\$ 35.00	\$ -
39	Sodding to match existing	SY		\$ 14.00	\$ -
40	Seeding to match existing	SY	18106	\$ 5.00	\$ 90,530.00
41	Silt Fence - per row	LF	12222	\$ 7.00	\$ 85,554.00
42	Road Pavement Patch, with Concrete Cap	SY	34	\$ 80.00	\$ 2,720.00
43	Road Pavement Patch, Asphalt per 2" Lift	SY		\$ 40.00	\$ -
44	Asphalt Milling & Overlay	SY	600	\$ 55.00	\$ 33,000.00
45	Specialty Brick Paver Replacement	SY		\$ 175.00	\$ -
46	Specialty Brick Sidewalk Replacement	SY		\$ 200.00	\$ -
47	Asphaltic Concrete Driveway Replacement, Residential & Commercial 6" thick +/-	SY		\$ 60.00	\$ -
48	Asphaltic Concrete Driveway Replacement, Residential & Commercial - Additional 2" lift	SY		\$ 20.00	\$ -
49	Concrete Curb & Gutter, Remove and Replace	LF	100	\$ 50.00	\$ 5,000.00
50	Concrete Driveway Replacement, Residential & Commercial	SY		\$ 75.00	\$ -
51	Concrete Driveway Replacement, Residential & Commercial - Additional 2" thickness	SY		\$ 25.00	\$ -
52	Concrete Sidewalk Replacement	SY		\$ 70.00	\$ -
53	Concrete Sidewalk Replacement- Additional 2" thickness	SY		\$ 25.00	\$ -
54	Heavy Cleaning, 6" to 8" Diameter Pipe	LF		\$ 20.00	\$ -
55	Heavy Cleaning, 10" to 16" Diameter Pipe	LF		\$ 25.00	\$ -
56	Heavy Cleaning, 18" to 24" Diameter Pipe	LF		\$ 38.00	\$ -
57	Root Removal, 6" to 24"	LF		\$ 60.00	\$ -
58	Sewer Debris Removal and Disposal from Heavy Cleaning	Ton		\$ 300.00	\$ -
59	Manhole Debris Removal and Disposal	CY		\$ 350.00	\$ -
60	Replace Existing with DIP, 8" Diameter, 0' to 12' Depth	LF	112	\$ 180.00	\$ 20,160.00
61	Replace Existing with DIP, 8" Diameter, >12' Depth	LF		\$ 280.00	\$ -
62	Replace Existing with DIP, 10" Diameter, 0' to 12' Depth	LF	38	\$ 180.00	\$ 6,840.00
63	Replace Existing with DIP, 10" Diameter, > 12' Depth	LF		\$ 300.00	\$ -
64	Replace Existing with DIP, 12" Diameter, 0' to 12' Depth	LF	2800	\$ 200.00	\$ 560,000.00
65	Replace Existing with DIP, 12" Diameter, > 12' Depth	LF		\$ 350.00	\$ -
66	Replace Existing with DIP, 16" Diameter, 0-12' Depth	LF	488	\$ 250.00	\$ 122,000.00

67	Replace Existing with DIP, 16" Diameter, >12' Depth	LF		\$	300.00	\$	-
68	Replace Existing with DIP, 18" Diameter, 0-12' Depth	LF		\$	275.00	\$	-
69	Replace Existing with DIP, 18" Diameter, > 12' Depth	LF		\$	375.00	\$	-
70	Replace Existing with DIP, 20" Diameter, 0' to 12' Depth	LF		\$	350.00	\$	-
71	Replace Existing with DIP, 20" Diameter, > 12' Depth	LF		\$	375.00	\$	-
72	Replace Existing with DIP, 24" Diameter, 0' to 12' Depth	LF		\$	350.00	\$	-
73	Replace Existing with DIP, 24" Diameter, > 12' Depth	LF		\$	400.00	\$	-
74	Replace Existing with PVC, 8" Diameter, 0' to 12' Depth	LF		\$	125.00	\$	-
75	Replace Existing with PVC, 8" Diameter, >12' Depth	LF		\$	200.00	\$	-
76	Replace Existing with PVC, 10" Diameter, 0' to 12' Depth	LF		\$	125.00	\$	-
77	Replace Existing with PVC 10" Diameter, > 12' Depth	LF		\$	290.00	\$	-
78	Replace Existing with PVC, 12" Diameter, 0' to 12' Depth	LF		\$	190.00	\$	-
79	Replace Existing with PVC, 12" Diameter, > 12' Depth	LF		\$	340.00	\$	-
80	Replace Existing with PVC, 15" Diameter, 0-12' Depth	LF		\$	210.00	\$	-
81	Replace Existing with PVC, 15" Diameter, >12' Depth	LF		\$	350.00	\$	-
82	48" Diameter, Precast Concrete, 0' to 8' Depth	EA	7	\$	5,000.00	\$	35,000.00
83	48" Diameter, Precast Concrete, >8' to 12' Depth	EA	12	\$	6,000.00	\$	72,000.00
84	48" Diameter, Precast Concrete, >12' to 16' Depth	EA		\$	8,000.00	\$	-
85	48" Diameter, Precast Concrete, >16' Depth	EA	1	\$	10,000.00	\$	10,000.00
86	60" Diameter, Precast Concrete, 0' to 8' Depth	EA	1	\$	6,000.00	\$	6,000.00
87	60" Diameter, Precast Concrete, >8' to 12' Depth	EA	3	\$	7,200.00	\$	21,600.00
88	60" Diameter, Precast Concrete, >12' to 16' Depth	EA	2	\$	8,500.00	\$	17,000.00
89	60" Diameter, Precast Concrete, >16' Depth	EA	2	\$	10,000.00	\$	20,000.00
90	Abandon & Fill Existing Manhole 4'-5' dia, Roadway, DWM Detail S-005 with grout	EA	1	\$	1,500.00	\$	1,500.00
91	Abandon & Fill Existing Manhole 6'-8' dia, Roadway, DWM Detail S-005 with grout	EA		\$	2,500.00	\$	-
92	Abandon & Fill Existing Manhole 4'-5' dia, Easement, DWM Detail S-005 with sand	EA	7	\$	1,500.00	\$	10,500.00
93	Abandon & Fill Existing Manhole 6'-8' dis., Easement, DWM Detail S-005 with Sand	EA		\$	2,500.00	\$	-
94	Remove and Dispose of Existing manhole	EA	13	\$	2,000.00	\$	26,000.00
95	Burst Existing 8", Replace with 8" DIP or HDPE	LF		\$	175.00	\$	-
96	Burst Existing 8", Replace with 10" DIP or HDPE	LF		\$	195.00	\$	-
97	Burst Existing 8", Replace with 12" DIP or HDPE	LF		\$	250.00	\$	-
98	Burst Existing 8", Replace with 16" DIP or HDPE	LF		\$	370.00	\$	-
99	Burst Existing 10", Replace with 10" DIP or HDPE	LF		\$	195.00	\$	-
100	Burst Existing 10", Replace with 12" DIP or HDPE	LF		\$	250.00	\$	-
101	Burst Existing 10", Replace with 16" DIP or HDPE	LF		\$	350.00	\$	-
102	Burst Existing 10", Replace with 18" DIP or HDPE	LF		\$	396.70	\$	-
103	Burst Existing 12", Replace with 12" DIP or HDPE	LF		\$	220.00	\$	-
104	Burst Existing 12", Replace with 16" DIP or HDPE	LF		\$	350.00	\$	-
105	Burst Existing 12", Replace with 18" DIP or HDPE	LF		\$	375.00	\$	-
106	Burst Existing 12", Replace with 20" DIP or HDPE	LF		\$	415.00	\$	-
107	Burst Existing 15", Replace with 16" DIP or HDPE	LF		\$	350.00	\$	-
108	Burst Existing 15", Replace with 18" DIP or HDPE	LF		\$	395.00	\$	-
109	Burst Existing 15", Replace with 20" DIP or HDPE	LF		\$	390.00	\$	-
110	Burst Existing 15", Replace with 24" DIP or HDPE	LF		\$	485.00	\$	-
111	Burst Existing 18", Replace with 20" DIP or HDPE	LF		\$	398.00	\$	-
112	Burst Existing 18", Replace with 24" DIP or HDPE	LF		\$	495.00	\$	-
113	Burst Existing 21", Replace with 24" DIP or HDPE	LF		\$	485.00	\$	-
114	Bursting Launching Pit, 0' to 10' Depth	EA		\$	10,000.00	\$	-
115	Bursting Launching Pit, >10' to 20' Depth	EA		\$	15,000.00	\$	-
116	Bursting Receiving Pit, 0' to 10' Depth	EA		\$	4,000.00	\$	-
117	Bursting Receiving Pit, >10' to 20' Depth	EA		\$	5,000.00	\$	-
118	Reconnection, 4"-6" Diameter, up to 5 LF, Any Depth	EA		\$	3,000.00	\$	-
119	Replacement, 4"-6" Diameter, to the ROW including cleanout Any Depth, PVC or DIP	LF		\$	220.00	\$	-
120	REMOVED	EA		\$	-	\$	-
121	REMOVED	LF		\$	-	\$	-
122	Cap or Plug Existing Service Lateral, Any Depth	EA		\$	750.00	\$	-
123	Sewer Cleanout at Edge of ROW or Edge of Easement	EA		\$	2,300.00	\$	-
124	Sewer, Internal Pipe Inspection Push Camera	EA		\$	1,500.00	\$	-
125	Rock Excavation	CY		\$	150.00	\$	-
126	Pipe Boring and Jacking, 8"- 12" DIP carrier pipe in 18" to 22" Casing, per DWM stds.	LF		\$	350.00	\$	-
127	Pipe Boring and Jacking, 16"- 18" DIP carrier pipe in 30" Casing, per DWM stds.	LF		\$	450.00	\$	-
128	Pipe Boring and Jacking, 20"- 24" DIP carrier pipe in 32" to 36" Casing, per DWM stds.	LF		\$	495.00	\$	-
129	Pipe Boring and Jacking- Send & Receiving Pit at depth > 15 feet	VF		\$	1,000.00	\$	-
130	Grout Fill Abandoned, all diameter sewer	CY		\$	275.00	\$	-
131	Cut & Plug Existing Sewer Line, 6" to 12" Diameter	EA	19	\$	1,500.00	\$	28,500.00
132	Flowable Fill	CY		\$	250.00	\$	-
133	Concrete Encasement (Collard)	CY		\$	200.00	\$	-
138	Install 8" casing (steel)	LF		\$	275.00	\$	-
	Monthly average CCI currently yields a multiplier of 0.2	LS	1	\$	470,673.40	\$	470,673.40

NC	Creek Diversion	LS	3	\$ 12,000.00	\$ 36,000.00
NC	Replace Existing with DIP, 16" Diameter, >16' to 20' Depth	LF	830	\$ 675.00	\$ 560,250.00
NC	Remove and Dispose of Existing 10" sanitary sewer	LF	164	\$ 145.00	\$ 23,780.00
NC	8" Inside Drop	EA	11	\$ 2,990.00	\$ 32,890.00
NC	10" Inside Drop	EA	1	\$ 4,710.00	\$ 4,710.00
NC	Subcontractor Cost - Pipe Boring 30"	LS	1	\$ 264,845.00	\$ 264,845.00
NC	Geotechnical Report - Roman Court	LS	1	\$ 65,414.30	\$ 65,414.30
NC	Geotechnical Report - Keheley	LS	1	\$ 64,767.00	\$ 64,767.00
NC	Geotechnical Report - Bend Creek	LS	1	\$ 41,491.00	\$ 41,491.00
					\$ -
					\$ -
					\$ -

Totals

\$ 4,262,939.13

CCI only on items from 1 to 138 less the allowance

ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE			
		Unit	Qty	Unit Price	Extended Price
1	Work Zone Staging and Traffic Control: FC 17-Collector Street (per link)	EA	10	\$ 3,500.00	\$ 35,000.00
2	Work Zone Staging and Traffic Control: FC 16-Minor Arterial Street (per link)	EA		\$ 2,000.00	\$ -
3	Work Zone Staging and Traffic Control: FC 14-Urban Principal Arterial (per link)	EA		\$ 3,500.00	\$ -
4	Owner's Allowance (10%)	Allowance	1	\$ 361,074.00	\$ 361,074.00
5	GPS Locate and Data Collection / Manhole	EA	10	\$ 750.00	\$ 7,500.00
6	CCTV Inspection 6"-12" line	LF	2000	\$ 10.00	\$ 20,000.00
7	CCTV Inspection 15"-24" line	LF		\$ 20.00	\$ -
8	Bypass Pump on 12" lower 25 % to 50%	LF	3000	\$ 30.00	\$ 90,000.00
9	Bypass Pump on 12" lower 50% and Above	LF	8000	\$ 30.00	\$ 240,000.00
10	Bypass Pump on 15" including 24" Dia. With flow 25% to 50%	LF		\$ 40.00	\$ -
11	Bypass Pump on 15" including 24" Dia. With flow 50% and Above	LF	500	\$ 40.00	\$ 20,000.00
12	CO Entrance Install And Remove	EA	15	\$ 3,000.00	\$ 45,000.00
13	CO Entrance Install Only	EA		\$ 2,000.00	\$ -
14	Easement Access Road Install and Removal	LF	1500	\$ 60.00	\$ 90,000.00
15	Easement Access Road, Install Only	LF	500	\$ 40.00	\$ 20,000.00
16	Light Clearing	SY	7000	\$ 9.00	\$ 63,000.00
17	Medium Clearing	SY	4500	\$ 15.00	\$ 67,500.00
18	Heavy Clearing	Cal./in	7000	\$ 25.00	\$ 175,000.00
19	Rip-Rap Type II	SY		\$ 100.00	\$ -
20	Rip-Rap Type III	SY	500	\$ 95.00	\$ 47,500.00
21	Tree Save fence	LF	6000	\$ 4.00	\$ 24,000.00
22	Check Dam (Hay Bales)	EA	10	\$ 30.00	\$ 300.00
23	Inlet Sediment Trap	EA		\$ 250.00	\$ -
24	Temporary Creek Crossing (12"/15" Diameter Pipes Installed)	LF		\$ 150.00	\$ -
25	Temporary Creek Crossing (18"/24" Diameter Pipes Installed)	LF		\$ 250.00	\$ -
26	Temporary Creek Crossing (36" Diameter Pipes Installed)	LF	520	\$ 350.00	\$ 182,000.00
27	Temporary Creek Crossing (42" Diameter Pipes Installed)	LF	2220	\$ 450.00	\$ 999,000.00
28	Tree and Shrub Replacement -3.5 gal	EA	100	\$ 175.00	\$ 17,500.00
29	Chainlink Fence 4ft	LF	100	\$ 30.00	\$ 3,000.00
30	Chainlink Fence 6ft	LF	100	\$ 35.00	\$ 3,500.00
31	Chain Link Fence (8 - 12 ft.) Removal & Replacement	LF		\$ 75.00	\$ -
32	Wood Fence (4 ft.) Removal and Replacement	LF		\$ 30.00	\$ -
33	Wood Fence (6 ft.) Removal and Replacement	LF	100	\$ 40.00	\$ 4,000.00
34	Wood Fence (8 ft.) Removal and Replacement	LF		\$ 55.00	\$ -
35	Pavement sawcutting, 1-8" thick G-005	LF		\$ 15.00	\$ -
36	Pavement Sawcutting additional thickness 1-4"	LF		\$ 10.00	\$ -
37	Unsuitable Soil Replacement (Crusher Run)	CY		\$ 55.00	\$ -
38	Unsuitable Soil Replacement (Imported fill)	CY	90	\$ 35.00	\$ 3,150.00
39	Sodding to match existing	SY	250	\$ 14.00	\$ 3,500.00
40	Seeding to match existing	SY	5000	\$ 5.00	\$ 25,000.00
41	Silt Fence - per row	LF		\$ 7.00	\$ -
42	Road Pavement Patch, with Concrete Cap	SY		\$ 80.00	\$ -
43	Road Pavement Patch, Asphalt per 2" Lift	SY		\$ 40.00	\$ -
44	Asphalt Milling & Overlay	SY		\$ 55.00	\$ -
45	Specialty Brick Paver Replacement	SY		\$ 175.00	\$ -
46	Specialty Brick Sidewalk Replacement	SY		\$ 200.00	\$ -
47	Asphaltic Concrete Driveway Replacement, Residential & Commercial 6" thick +/-	SY		\$ 60.00	\$ -
48	Asphaltic Concrete Driveway Replacement, Residential & Commercial - Additional 2" lift	SY		\$ 20.00	\$ -
49	Concrete Curb & Gutter, Remove and Replace	LF	150	\$ 50.00	\$ 7,500.00
50	Concrete Driveway Replacement, Residential & Commercial	SY	300	\$ 75.00	\$ 22,500.00
51	Concrete Driveway Replacement, Residential & Commercial - Additional 2" thickness	SY		\$ 25.00	\$ -
52	Concrete Sidewalk Replacement	SY	100	\$ 70.00	\$ 7,000.00
53	Concrete Sidewalk Replacement- Additional 2" thickness	SY		\$ 25.00	\$ -
54	Heavy Cleaning, 6" to 8" Diameter Pipe	LF		\$ 20.00	\$ -
55	Heavy Cleaning, 10" to 16" Diameter Pipe	LF		\$ 25.00	\$ -
56	Heavy Cleaning, 18" to 24" Diameter Pipe	LF		\$ 38.00	\$ -
57	Root Removal, 6" to 24"	LF		\$ 60.00	\$ -
58	Sewer Debris Removal and Disposal from Heavy Cleaning	Ton	5	\$ 300.00	\$ 1,500.00
59	Manhole Debris Removal and Disposal	CY		\$ 350.00	\$ -
60	Replace Existing with DIP, 8" Diameter, 0' to 12' Depth	LF	2000	\$ 180.00	\$ 360,000.00
61	Replace Existing with DIP, 8" Diameter, >12' Depth	LF	500	\$ 280.00	\$ 140,000.00
62	Replace Existing with DIP, 10" Diameter, 0' to 12' Depth	LF	200	\$ 180.00	\$ 36,000.00
63	Replace Existing with DIP, 10" Diameter, > 12' Depth	LF		\$ 300.00	\$ -
64	Replace Existing with DIP, 12" Diameter, 0' to 12' Depth	LF	200	\$ 200.00	\$ 40,000.00
65	Replace Existing with DIP, 12" Diameter, > 12' Depth	LF		\$ 350.00	\$ -
66	Replace Existing with DIP, 16" Diameter, 0-12' Depth	LF		\$ 250.00	\$ -
67	Replace Existing with DIP, 16" Diameter, >12' Depth	LF		\$ 300.00	\$ -

68	Replace Existing with DIP, 18" Diameter, 0-12' Depth	LF		\$ 275.00	\$ -
69	Replace Existing with DIP, 18" Diameter, > 12' Depth	LF		\$ 375.00	\$ -
70	Replace Existing with DIP, 20" Diameter, 0' to 12' Depth	LF		\$ 350.00	\$ -
71	Replace Existing with DIP, 20" Diameter, > 12' Depth	LF		\$ 375.00	\$ -
72	Replace Existing with DIP, 24" Diameter, 0' to 12' Depth	LF	40	\$ 350.00	\$ 14,000.00
73	Replace Existing with DIP, 24" Diameter, > 12' Depth	LF		\$ 400.00	\$ -
74	Replace Existing with PVC, 8" Diameter, 0' to 12' Depth	LF		\$ 125.00	\$ -
75	Replace Existing with PVC, 8" Diameter, >12' Depth	LF		\$ 200.00	\$ -
76	Replace Existing with PVC, 10" Diameter, 0' to 12' Depth	LF		\$ 125.00	\$ -
77	Replace Existing with PVC 10" Diameter, > 12' Depth	LF		\$ 290.00	\$ -
78	Replace Existing with PVC, 12" Diameter, 0' to 12' Depth	LF		\$ 190.00	\$ -
79	Replace Existing with PVC, 12" Diameter, > 12' Depth	LF		\$ 340.00	\$ -
80	Replace Existing with PVC, 15" Diameter, 0-12' Depth	LF		\$ 210.00	\$ -
81	Replace Existing with PVC, 15" Diameter, >12' Depth	LF		\$ 350.00	\$ -
82	48" Diameter, Precast Concrete, 0' to 8' Depth	EA	6	\$ 5,000.00	\$ 30,000.00
83	48" Diameter, Precast Concrete, >8' to 12' Depth	EA		\$ 6,000.00	\$ -
84	48" Diameter, Precast Concrete, >12' to 16' Depth	EA		\$ 8,000.00	\$ -
85	48" Diameter, Precast Concrete, >16' Depth	EA		\$ 10,000.00	\$ -
86	60" Diameter, Precast Concrete, 0' to 8' Depth	EA		\$ 6,000.00	\$ -
87	60" Diameter, Precast Concrete, >8' to 12' Depth	EA		\$ 7,200.00	\$ -
88	60" Diameter, Precast Concrete, >12' to 16' Depth	EA		\$ 8,500.00	\$ -
89	60" Diameter, Precast Concrete, >16' Depth	EA		\$ 10,000.00	\$ -
90	Abandon & Fill Existing Manhole 4'-5' dia, Roadway, DWM Detail S-005 with grout	EA		\$ 1,500.00	\$ -
91	Abandon & Fill Existing Manhole 6'-8' ' dia, Roadway, DWM Detail S-005 with grout	EA		\$ 2,500.00	\$ -
92	Abandon & Fill Existing Manhole 4'-5' ' dia, Easement, DWM Detail S-005 with sand	EA		\$ 1,500.00	\$ -
93	Abandon & Fill Existing Manhole 6'-8' dis., Easement, DWM Detail S-005 with Sand	EA		\$ 2,500.00	\$ -
94	Remove and Dispose of Existing manhole	EA		\$ 2,000.00	\$ -
95	Burst Existing 8", Replace with 8" DIP or HDPE	LF		\$ 175.00	\$ -
96	Burst Existing 8", Replace with 10" DIP or HDPE	LF		\$ 195.00	\$ -
97	Burst Existing 8", Replace with 12" DIP or HDPE	LF		\$ 250.00	\$ -
98	Burst Existing 8", Replace with 16" DIP or HDPE	LF		\$ 370.00	\$ -
99	Burst Existing 10", Replace with 10" DIP or HDPE	LF		\$ 195.00	\$ -
100	Burst Existing 10", Replace with 12" DIP or HDPE	LF		\$ 250.00	\$ -
101	Burst Existing 10", Replace with 16" DIP or HDPE	LF		\$ 350.00	\$ -
102	Burst Existing 10", Replace with 18" DIP or HDPE	LF		\$ 396.70	\$ -
103	Burst Existing 12", Replace with 12" DIP or HDPE	LF		\$ 220.00	\$ -
104	Burst Existing 12", Replace with 16" DIP or HDPE	LF		\$ 350.00	\$ -
105	Burst Existing 12", Replace with 18" DIP or HDPE	LF		\$ 375.00	\$ -
106	Burst Existing 12", Replace with 20" DIP or HDPE	LF		\$ 415.00	\$ -
107	Burst Existing 15", Replace with 16" DIP or HDPE	LF		\$ 350.00	\$ -
108	Burst Existing 15", Replace with 18" DIP or HDPE	LF		\$ 395.00	\$ -
109	Burst Existing 15", Replace with 20" DIP or HDPE	LF		\$ 390.00	\$ -
110	Burst Existing 15", Replace with 24" DIP or HDPE	LF		\$ 485.00	\$ -
111	Burst Existing 18", Replace with 20" DIP or HDPE	LF		\$ 398.00	\$ -
112	Burst Existing 18", Replace with 24" DIP or HDPE	LF		\$ 495.00	\$ -
113	Burst Existing 21", Replace with 24" DIP or HDPE	LF		\$ 485.00	\$ -
114	Bursting Launching Pit, 0' to 10' Depth	EA		\$ 10,000.00	\$ -
115	Bursting Launching Pit, >10' to 20' Depth	EA		\$ 15,000.00	\$ -
116	Bursting Receiving Pit, 0' to 10' Depth	EA		\$ 4,000.00	\$ -
117	Bursting Receiving Pit, >10' to 20' Depth	EA		\$ 5,000.00	\$ -
118	Reconnection, 4"-6" Diameter, up to 5 LF, Any Depth	EA		\$ 3,000.00	\$ -
119	Replacement, 4"-6" Diameter, to the ROW including cleanout Any Depth, PVC or DIP	LF		\$ 220.00	\$ -
120	REMOVED	EA		\$ -	\$ -
121	REMOVED	LF		\$ -	\$ -
122	Cap or Plug Existing Service Lateral, Any Depth	EA		\$ 750.00	\$ -
123	Sewer Cleanout at Edge of ROW or Edge of Easement	EA		\$ 2,300.00	\$ -
124	Sewer, Internal Pipe Inspection Push Camera	EA		\$ 1,500.00	\$ -
125	Rock Excavation	CY		\$ 150.00	\$ -
126	Pipe Boring and Jacking, 8"- 12" DIP carrier pipe in 18" to 22" Casing, per DWM stds.	LF		\$ 350.00	\$ -
127	Pipe Boring and Jacking, 16"- 18" DIP carrier pipe in 30" Casing, per DWM stds.	LF		\$ 450.00	\$ -
128	Pipe Boring and Jacking, 20"- 24" DIP carrier pipe in 32" to 36" Casing, per DWM stds.	LF		\$ 495.00	\$ -
129	Pipe Boring and Jacking- Send & Receiving Pit at depth > 15 feet	VF		\$ 1,000.00	\$ -
130	Grout Fill Abandoned, all diameter sewer	CY		\$ 275.00	\$ -
131	Cut & Plug Existing Sewer Line, 6" to 12" Diameter	EA		\$ 1,500.00	\$ -
132	Flowable Fill	CY		\$ 250.00	\$ -
133	Concrete Encasement (Collard)	CY		\$ 200.00	\$ -
138	Install 8" casing (steel)	LF	600	\$ 275.00	\$ 165,000.00
ENR CCI	Monthly average CCI currently yields a multiplier of 0.2	LS	1.00	\$ 601,790.00	\$ 601,790.00

Totals

\$ 3,971,814.00