

CLAYTON COUNTY WATER AUTHORITY
Regular Board Meeting
1600 Battle Creek Road
Morrow, GA 30260

Present at the meeting were: Chairman John Chafin, Vice Chairman Marie Barber, Secretary/Treasurer Rodney Givens, Board Member John Westervelt, Board Member Dr. Cephus Jackson, Board Member Robin Malone, Board Member Vivian Baldwin, General Manager Bernard Franks, Assistant General Manager Teresa Worley, Assistant General Manager Keisha Thorpe, Legal Counsel Steve Fincher, Executive Coordinator Amanda La Pierre and other CCWA staff and visitors.

Invocation

John Westervelt introduced Sr. Engineering Technician Michael Shinn to perform the invocation.

Adoption of Agenda

UPON MOTION by Dr. Cephus Jackson and second by Robin Malone, to adopt the agenda as presented, it was unanimously

RESOLVED to adopt the agenda as presented.

Approval of Minutes

Chairman John Chafin called for any omissions or additions to the Minutes of the Regular Board Meeting held on November 7, 2019.

UPON MOTION by Marie Barber and second by John Westervelt, it was unanimously

RESOLVED to approve the Minutes of the Regular Board Meeting held on November 7, 2019.

Financial and Statistical Reports

Finance Director Allison Halron reviewed the financial information distributed to the Board for the period ending October 31, 2019. Information only, no action taken.

Recognition

Communications & Community Relations Manager Suzanne Brown recognized CCWA's award recipients from the Georgia Association of Water Professionals Fall Conference. Information only, no action taken.

New Business

Small Gravity – Flow Pipe Work Bid Recommendation: Program Management and Engineering Director Kelly Taylor presented a recommendation on the Small Gravity – Flow Pipe Work Bid.

CCWA utilizes annual services contracts to support our various pipeline replacement and rehabilitation programs. CCWA currently has four annual contracts for pipe repair, replacement, and rehabilitation:

- The General Pipe Work annual services contract is for open cut work and is used for water, sewer, or stormwater pipe repairs. This contract applies to gravity and pressure pipe up to 108-inches. Hall Construction (Primary) and Construction 57 (Backup) are in their third and final year of this contract which expires on October 31, 2020.
- The Small Gravity Pipe Replacement contract provides services to failing sewer and stormwater pipes up to 24-inches. Hall Construction is in their third and final year of this contract which expires on January 31, 2020.
- The Small Pressure Flow Pipe Work contract provides services for replacement of water and sewer force main pipes up to 12-inches. Hall Construction is in their third and final year of this contract which expires on January 31, 2020.
- The Cured-In-Place Pipe Rehabilitation contract provides services to line failing sewer and stormwater pipes from ¾-inch up to 108-inch pipe. Granite Inliner is in year one of the contract, and should they be renewed for two additional years, it would expire on June 30, 2022.

EXHIBIT 3 – Bid Evaluation

Bids Received	Total Bid Evaluation Amount (Typical Job)	SLBE Notes	SLBE Bid Discount	SLBE Adjusted Bid Amount
Don Hall Construction	\$191,857.00	CCWA Certified Prime SLBE	10%	\$172,671.30
Civil Works	\$516,184.50	CCWA Certified Prime SLBE	10%	\$464,566.05
Site Engineering, Inc.	\$2,341,374.20	CCWA Certified Prime SLBE	7.5%	\$2,165,771.14
AM Construction	Non-Responsive			
DAF Concrete, Inc.	Non-Responsive			

**Clayton County Water Authority
Annual Contract for Small Gravity-Flow Pipe Work
BID TAB**

Tuesday, November 5, 2019

			Typical Jobs			Civil Works		Don Hall Construction		Site Engineering Inc.	
			Estimated Quantities			SLBE		SLBE		SLBE	
N o.	Work Item	Unit	Storm	Sewer	Total	Unit Cost	Extended Amount	Unit Cost	Extended Amount	Unit Cost	Extended Amount
1	Mobilization	EA	1	1	2	1,000.00	\$ 2,000.00	700.00	\$ 1,400.00	5,000.00	\$ 10,000.00

2	Mobilization	EA	1		1	3,000.00	\$ 3,000.00	1,800.00	\$ 1,800.00	2,500.00	\$ 2,500.00
3	Performance and Payment Bonds	EA			0	3,000.00	\$ -	1,800.00	\$ -	2,000.00	\$ -
4		EA			0	500.00	\$ -	360.00	\$ -	500.00	\$ -
5	Construction Exit	EA			0	2,400.00	\$ -	900.00	\$ -	1,500.00	\$ -
6	Sediment Barrier Installation	LF			0	3.50	\$ -	2.50	\$ -	3.00	\$ -
7		LF	741	1700	2441	4.00	\$ 9,764.00	3.50	\$ 8,543.50	4.00	\$ 9,764.00
8		LF			0	7.00	\$ -	5.00	\$ -	5.00	\$ -
9	Sediment Barrier Removal	LF	741	1700	2441	2.00	\$ 4,882.00	1.00	\$ 2,441.00	2.00	\$ 4,882.00
10	Curb Inlet Sediment Trap	EA			0	250.00	\$ -	100.00	\$ -	3.00	\$ -
11	Soil Stabilization	SF			0	0.25	\$ -	0.30	\$ -	0.10	\$ -
12		SF	27000	9610	36610	0.25	\$ 9,152.50	0.35	\$ 12,813.50	0.12	\$ 4,393.20
13		SF	600	6300	6900	1.00	\$ 6,900.00	0.45	\$ 3,105.00	0.20	\$ 1,380.00
14		SF			0	1.25	\$ -	1.80	\$ -	1.50	\$ -
15	Hauling Material from Outside of County	HR	6		6	110.00	\$ 660.00	75.00	\$ 450.00	100.00	\$ 600.00
16	Tree Removal	EA			0	200.00	\$ -	350.00	\$ -	200.00	\$ -
17		EA			0	600.00	\$ -	600.00	\$ -	400.00	\$ -
18		EA	2		2	900.00	\$ 1,800.00	1,600.00	\$ 3,200.00	1,200.00	\$ 2,400.00
19		EA			0	1,800.00	\$ -	1,900.00	\$ -	2,500.00	\$ -
20	Easement Clearing	SF		13800	13800	10.00	\$ 138,000.00	0.50	\$ 6,900.00	1.00	\$ 13,800.00
21	Fence Work	LF			0	6.00	\$ -	10.00	\$ -	40.00	\$ -
22		LF			0	6.00	\$ -	18.00	\$ -	50.00	\$ -
23	General Excavation	CF		900	900	0.40	\$ 360.00	1.80	\$ 1,620.00	30.00	\$ 27,000.00
24		CF	380		380	0.60	\$ 228.00	1.80	\$ 684.00	40.00	\$ 15,200.00
25		CF			0	1.00	\$ -	1.80	\$ -	50.00	\$ -
26		CF			0	2.00	\$ -	1.80	\$ -	60.00	\$ -
27	General Excavation	CF			0	14.00	\$ -	3.50	\$ -	150.00	\$ -
28	General Fill / Backfill	CF			0	1.00	\$ -	1.20	\$ -	30.00	\$ -
29		CF			0	2.00	\$ -	1.50	\$ -	30.00	\$ -
30		CF			0	2.50	\$ -	1.35	\$ -	50.00	\$ -
31		CF	380	900	1280	2.00	\$ 2,560.00	1.60	\$ 2,048.00	60.00	\$ 76,800.00
32		CF			0	3.00	\$ -	1.60	\$ -	70.00	\$ -
33		CF			0	6.00	\$ -	1.80	\$ -	80.00	\$ -

34	Stone Placement	SF	480	500	980	2.00	\$ 1,960.00	1.65	\$ 1,617.00	2.00	\$ 1,960.00
35	Crushed Stone / Graded Aggregate Base	SF			0	1.00	\$ -	0.55	\$ -	0.75	\$ -
36	Stone Placement	SF			0	2.00	\$ -	1.60	\$ -	3.00	\$ -
37	#3, #4, #34, #5, #57 and #89 Stone	SF			0	1.00	\$ -	0.52	\$ -	1.00	\$ -
38	Stone Placement	SF			0	2.00	\$ -	1.70	\$ -	4.00	\$ -
39	Surge Stone	SF			0	1.00	\$ -	1.70	\$ -	4.00	\$ -
40	Stone Placement	SF	960		960	3.00	\$ 2,880.00	2.00	\$ 1,920.00	5.00	\$ 4,800.00
41	Type 3 Rip-Rap	SF			0	2.00	\$ -	2.00	\$ -	5.00	\$ -
42	Stone Placement Type 1 Rip-Rap	SF			0	6.00	\$ -	3.00	\$ -	10.00	\$ -
43	Gabion Basket Installation	CF			0	10.00	\$ -	10.00	\$ -	20.00	\$ -
44	Geotextile Fabric Installation	SF			0	1.00	\$ -	0.90	\$ -	1.00	\$ -
45	Pavement - Remove Asphalt	SF	360	500	860	1.50	\$ 1,290.00	2.50	\$ 2,150.00	3.00	\$ 2,580.00
46		SF			0	1.75	\$ -	3.00	\$ -	6.00	\$ -
47		SF			0	2.00	\$ -	4.00	\$ -	9.00	\$ -
48		SF			0	3.00	\$ -	5.00	\$ -	15.00	\$ -
49	Pavement - Remove Concrete Flat Work	SF		200	200	1.00	\$ 200.00	2.50	\$ 500.00	3.00	\$ 600.00
50		SF			0	2.00	\$ -	3.00	\$ -	6.00	\$ -
51		SF			0	4.00	\$ -	4.00	\$ -	9.00	\$ -
52		SF			0	6.00	\$ -	6.00	\$ -	15.00	\$ -
53		LF	60	100	160	6.00	\$ 960.00	5.00	\$ 800.00	5.00	\$ 800.00
54	Pavement - Milling	EA			0	5,000.00	\$ -	5,900.00	\$ -	6,000.00	\$ -
55		SF			0	10.00	\$ -	4.00	\$ -	2.50	\$ -
56	Pavement - Asphalt Patching	SF	360	500	860	8.00	\$ 6,880.00	7.00	\$ 6,020.00	25.00	\$ 21,500.00
57		SF			0	6.00	\$ -	2.30	\$ -	10.00	\$ -
58	Pavement - Asphalt Paving	SF			0	8.00	\$ -	6.00	\$ -	15.00	\$ -
59		SF			0	6.00	\$ -	2.00	\$ -	10.00	\$ -
60	Pavement - Concrete Flatwork	SF		200	200	8.60	\$ 1,720.00	6.00	\$ 1,200.00	7.00	\$ 1,400.00
61		SF			0	9.50	\$ -	7.00	\$ -	8.00	\$ -
62		SF			0	12.00	\$ -	8.50	\$ -	10.00	\$ -
63		SF			0	16.00	\$ -	9.50	\$ -	12.00	\$ -
64		SF			0	4.00	\$ -	1.20	\$ -	4.00	\$ -

65		LF			0	38.00	\$ -	5.50	\$ -	6.00	\$ -
66	Pavement - Curb and Gutter Replacement	LF	60	100	160	36.00	\$ 5,760.00	25.00	\$ 4,000.00	50.00	\$ 8,000.00
67		LF			0	42.00	\$ -	25.00	\$ -	55.00	\$ -
68	Pavement - Catch Basin Spillway Throat	LF			0	62.00	\$ -	100.00	\$ -	500.00	\$ -
69	Pavement - Line Striping	LF			0	6.00	\$ -	5.50	\$ -	8.00	\$ -
70		LF			0	12.00	\$ -	8.50	\$ -	25.00	\$ -
71	Pavement - Marking	EA			0	600.00	\$ -	150.00	\$ -	2,000.00	\$ -
72	Pavement - Pressure Washing	SF			0	10.00	\$ -	0.50	\$ -	1.00	\$ -
73	Pumping 4-inch Pump	DY	7		7	400.00	\$ 2,800.00	1,000.00	\$ 7,000.00	6,000.00	\$ 42,000.00
74		WK			0	1,400.00	\$ -	4,800.00	\$ -	7,500.00	\$ -
75		2WK			0	2,000.00	\$ -	9,000.00	\$ -	10,000.00	\$ -
76		MT H			0	3,400.00	\$ -	15,000.00	\$ -	12,500.00	\$ -
77		DY			0	400.00	\$ -	1,000.00	\$ -	7,500.00	\$ -
78		WK			0	1,400.00	\$ -	4,800.00	\$ -	9,000.00	\$ -
79		2WK			0	2,000.00	\$ -	9,000.00	\$ -	11,500.00	\$ -
80		MT H			0	3,400.00	\$ -	15,000.00	\$ -	15,000.00	\$ -
81	Pumping 6-inch Pump	DY		2	2	800.00	\$ 1,600.00	1,400.00	\$ 2,800.00	8,000.00	\$ 16,000.00
82		WK		1	1	2,400.00	\$ 2,400.00	6,500.00	\$ 6,500.00	11,000.00	\$ 11,000.00
83		2WK			0	4,000.00	\$ -	12,500.00	\$ -	15,000.00	\$ -
84		MT H			0	5,200.00	\$ -	21,000.00	\$ -	20,000.00	\$ -
85		DY		2	2	900.00	\$ 1,800.00	1,400.00	\$ 2,800.00	10,000.00	\$ 20,000.00
86		WK		1	1	2,800.00	\$ 2,800.00	6,500.00	\$ 6,500.00	13,000.00	\$ 13,000.00
87		2WK			0	4,400.00	\$ -	12,500.00	\$ -	18,000.00	\$ -
88		MT H			0	5,400.00	\$ -	21,000.00	\$ -	24,000.00	\$ -
89	Pumping 8-inch Pump	DY			0	1,000.00	\$ -	2,000.00	\$ -	12,500.00	\$ -
90		WK			0	1,480.00	\$ -	9,500.00	\$ -	15,000.00	\$ -
91		2WK			0	4,800.00	\$ -	18,500.00	\$ -	22,000.00	\$ -
92		MT H			0	6,000.00	\$ -	30,000.00	\$ -	30,000.00	\$ -
93		DY			0	1,000.00	\$ -	2,000.00	\$ -	15,000.00	\$ -
94		WK			0	2,400.00	\$ -	9,500.00	\$ -	20,000.00	\$ -
95		2WK			0	4,800.00	\$ -	18,500.00	\$ -	30,000.00	\$ -
96		MT H			0	6,000.00	\$ -	30,000.00	\$ -	35,000.00	\$ -
97		DY			0	1,200.00	\$ -	2,000.00	\$ -	15,000.00	\$ -

98		WK			0	4,000.00	\$ -	9,500.00	\$ -	24,000.00	\$ -
99		2W K			0	6,000.00	\$ -	18,500.00	\$ -	35,000.00	\$ -
10 0		MT H			0	8,900.00	\$ -	30,000.00	\$ -	45,000.00	\$ -
10 1	Pumping 10-inch Pump	DY			0	1,200.00	\$ -	2,000.00	\$ -	18,000.00	\$ -
10 2		WK			0	4,000.00	\$ -	9,500.00	\$ -	28,000.00	\$ -
10 3		2W K			0	6,000.00	\$ -	18,500.00	\$ -	44,000.00	\$ -
10 4		MT H			0	8,900.00	\$ -	30,000.00	\$ -	54,000.00	\$ -
10 5		DY			0	1,200.00	\$ -	3,000.00	\$ -	24,000.00	\$ -
10 6		WK			0	4,200.00	\$ -	14,000.00	\$ -	29,000.00	\$ -
10 7		2W K			0	6,400.00	\$ -	27,000.00	\$ -	38,000.00	\$ -
10 8		MT H			0	10,200.00	\$ -	42,000.00	\$ -	55,000.00	\$ -
10 9	Pumping 12-inch Pump	DY			0	1,200.00	\$ -	3,000.00	\$ -	28,000.00	\$ -
11 0		WK			0	4,200.00	\$ -	14,000.00	\$ -	35,000.00	\$ -
11 1		2W K			0	6,400.00	\$ -	27,000.00	\$ -	49,000.00	\$ -
11 2		MT H			0	10,200.00	\$ -	42,000.00	\$ -	70,000.00	\$ -
11 3		EA			0	3,800.00	\$ -	3,000.00	\$ -	5,000.00	\$ -
11 4		EA			0	4,800.00	\$ -	3,500.00	\$ -	7,000.00	\$ -
11 5		EA		1	1	7,800.00	\$ 7,800.00	5,500.00	\$ 5,500.00	10,000.00	\$ 10,000.00
11 6	Pipe Installation - Open Cut PVC up to 8-inch	EA			0	12,600.00	\$ -	6,500.00	\$ -	15,000.00	\$ -
11 7		LF		45	45	10.00	\$ 450.00	30.00	\$ 1,350.00	400.00	\$ 18,000.00
11 8		LF		40	40	32.00	\$ 1,280.00	35.00	\$ 1,400.00	600.00	\$ 24,000.00
11 9		LF		332	332	48.00	\$ 15,936.00	45.00	\$ 14,940.00	800.00	\$ 265,600.00
12 0		LF			0	72.00	\$ -	65.00	\$ -	1,200.00	\$ -
12 1		EA			0	7,200.00	\$ -	3,000.00	\$ -	6,000.00	\$ -
12 2		EA			0	8,400.00	\$ -	3,500.00	\$ -	8,400.00	\$ -
12 3		EA			0	10,700.00	\$ -	5,000.00	\$ -	12,000.00	\$ -
12 4	Pipe Installation - Open Cut PVC greater than 8-inch to 16-inch	EA			0	14,200.00	\$ -	7,000.00	\$ -	18,000.00	\$ -
12 5		LF			0	48.00	\$ -	30.00	\$ -	500.00	\$ -
12 6		LF			0	72.00	\$ -	40.00	\$ -	800.00	\$ -
12 7		LF			0	72.00	\$ -	50.00	\$ -	1,000.00	\$ -
12 8		LF			0	84.00	\$ -	70.00	\$ -	1,500.00	\$ -
12 9	Pipe Installation - Open Cut PVC greater than 16-inch to 24-inch	EA			0	14,200.00	\$ -	3,500.00	\$ -	8,000.00	\$ -
13 0		EA			0	14,800.00	\$ -	4,500.00	\$ -	11,500.00	\$ -
13 1		EA			0	16,500.00	\$ -	6,000.00	\$ -	16,000.00	\$ -
13 2		EA			0	18,600.00	\$ -	7,500.00	\$ -	24,000.00	\$ -

13 3		LF		0	120.00	\$ -	35.00	\$ -	700.00	\$ -
13 4		LF		0	120.00	\$ -	45.00	\$ -	1,200.00	\$ -
13 5		LF		0	210.00	\$ -	55.00	\$ -	1,500.00	\$ -
13 6		LF		0	280.00	\$ -	75.00	\$ -	2,000.00	\$ -
13 7	Pipe Installation - Open Cut DI up to 8-inch	EA		0	4,200.00	\$ -	3,000.00	\$ -	6,000.00	\$ -
13 8		EA		0	5,200.00	\$ -	4,000.00	\$ -	8,000.00	\$ -
13 9		EA		0	8,200.00	\$ -	5,500.00	\$ -	11,000.00	\$ -
14 0		EA		0	12,800.00	\$ -	7,000.00	\$ -	16,000.00	\$ -
14 1		LF		0	12.00	\$ -	30.00	\$ -	600.00	\$ -
14 2		LF		0	38.00	\$ -	35.00	\$ -	800.00	\$ -
14 3		LF		0	52.00	\$ -	45.00	\$ -	1,000.00	\$ -
14 4		LF		0	84.00	\$ -	70.00	\$ -	1,400.00	\$ -
14 5	Pipe Installation - Open Cut DI greater than 8-inch to 16-inch	EA		0	8,400.00	\$ -	3,000.00	\$ -	7,500.00	\$ -
14 6		EA		0	8,600.00	\$ -	3,500.00	\$ -	10,000.00	\$ -
14 7		EA		0	10,800.00	\$ -	5,500.00	\$ -	13,500.00	\$ -
14 8		EA		0	14,800.00	\$ -	7,500.00	\$ -	19,500.00	\$ -
14 9		LF		0	52.00	\$ -	30.00	\$ -	800.00	\$ -
15 0		LF		0	74.00	\$ -	35.00	\$ -	1,100.00	\$ -
15 1		LF		0	86.00	\$ -	50.00	\$ -	1,300.00	\$ -
15 2		LF		0	120.00	\$ -	70.00	\$ -	1,800.00	\$ -
15 3	Pipe Installation - Open Cut DI greater than 16-inch to 24-inch	EA		0	20,800.00	\$ -	3,500.00	\$ -	10,000.00	\$ -
15 4		EA		0	24,000.00	\$ -	4,500.00	\$ -	13,500.00	\$ -
15 5		EA		0	24,800.00	\$ -	5,500.00	\$ -	18,000.00	\$ -
15 6		EA		0	26,400.00	\$ -	7,000.00	\$ -	26,000.00	\$ -
15 7		LF		0	240.00	\$ -	35.00	\$ -	1,100.00	\$ -
15 8		LF		0	240.00	\$ -	45.00	\$ -	1,600.00	\$ -
15 9		LF		0	260.00	\$ -	55.00	\$ -	1,900.00	\$ -
16 0		LF		0	310.00	\$ -	75.00	\$ -	2,400.00	\$ -
16 1	Pipe Installation - Open Cut RC up to 16-inch	EA		0	7,200.00	\$ -	3,000.00	\$ -	7,500.00	\$ -
16 2		EA		0	8,400.00	\$ -	4,000.00	\$ -	10,000.00	\$ -
16 3		EA		0	10,700.00	\$ -	6,000.00	\$ -	13,500.00	\$ -
16 4		EA		0	14,200.00	\$ -	8,000.00	\$ -	19,500.00	\$ -
16 5		LF		0	48.00	\$ -	30.00	\$ -	800.00	\$ -
16 6		LF		0	72.00	\$ -	40.00	\$ -	1,100.00	\$ -
16 7		LF		0	72.00	\$ -	50.00	\$ -	1,300.00	\$ -

16 8		LF		0	84.00	\$ -	70.00	\$ -	1,800.00	\$ -
16 9	Pipe Installation - Open Cut RC greater than 16-inch to 24-inch	EA	1	1	14,200.00	\$ 14,200.00	3,500.00	\$ 3,500.00	10,000.00	\$ 10,000.00
17 0		EA		0	14,800.00	\$ -	4,500.00	\$ -	13,500.00	\$ -
17 1		EA		0	16,800.00	\$ -	6,000.00	\$ -	18,000.00	\$ -
17 2		EA		0	18,800.00	\$ -	8,000.00	\$ -	26,000.00	\$ -
17 3		LF	20	20	120.00	\$ 2,400.00	35.00	\$ 700.00	1,100.00	\$ 22,000.00
17 4		LF	275	275	120.00	\$ 33,000.00	45.00	\$ 12,375.00	1,600.00	\$ 440,000.00
17 5		LF	91	91	210.00	\$ 19,110.00	55.00	\$ 5,005.00	1,900.00	\$ 172,900.00
17 6		LF	70	70	280.00	\$ 19,600.00	75.00	\$ 5,250.00	2,400.00	\$ 168,000.00
17 7	Pipe Installation - Open Cut HDPE up to 8-inch	EA		0	3,800.00	\$ -	2,500.00	\$ -	6,000.00	\$ -
17 8		EA		0	4,800.00	\$ -	3,000.00	\$ -	8,000.00	\$ -
17 9		EA		0	7,800.00	\$ -	4,000.00	\$ -	11,000.00	\$ -
18 0		EA		0	12,600.00	\$ -	7,000.00	\$ -	16,000.00	\$ -
18 1		LF		0	10.00	\$ -	25.00	\$ -	600.00	\$ -
18 2		LF		0	32.00	\$ -	30.00	\$ -	800.00	\$ -
18 3		LF		0	48.00	\$ -	40.00	\$ -	1,000.00	\$ -
18 4		LF		0	72.00	\$ -	60.00	\$ -	1,400.00	\$ -
18 5	Pipe Installation - Open Cut HDPE greater than 8-inch to 16-inch	EA		0	6,000.00	\$ -	3,000.00	\$ -	7,500.00	\$ -
18 6		EA		0	8,400.00	\$ -	4,000.00	\$ -	10,000.00	\$ -
18 7		EA		0	10,700.00	\$ -	5,000.00	\$ -	13,500.00	\$ -
18 8		EA		0	14,200.00	\$ -	7,000.00	\$ -	19,500.00	\$ -
18 9		LF		0	52.00	\$ -	30.00	\$ -	800.00	\$ -
19 0		LF		0	74.00	\$ -	35.00	\$ -	1,100.00	\$ -
19 1		LF		0	74.00	\$ -	50.00	\$ -	1,300.00	\$ -
19 2		LF		0	88.00	\$ -	70.00	\$ -	1,800.00	\$ -
19 3	Pipe Installation - Open Cut HDPE greater than 16-inch to 24-inch	EA		0	9,000.00	\$ -	3,500.00	\$ -	10,000.00	\$ -
19 4		EA		0	10,000.00	\$ -	4,500.00	\$ -	13,500.00	\$ -
19 5		EA		0	12,000.00	\$ -	6,000.00	\$ -	18,000.00	\$ -
19 6		EA		0	14,000.00	\$ -	8,000.00	\$ -	26,000.00	\$ -
19 7		LF		0	120.00	\$ -	35.00	\$ -	1,100.00	\$ -
19 8		LF		0	120.00	\$ -	45.00	\$ -	1,600.00	\$ -
19 9		LF	300	300	210.00	\$ 63,000.00	55.00	\$ 16,500.00	1,900.00	\$ 570,000.00
20 0		LF	100	100	280.00	\$ 28,000.00	75.00	\$ 7,500.00	2,400.00	\$ 240,000.00
20 1	Pipe Installation - Open Cut	EA		0	3,200.00	\$ -	3,000.00	\$ -	7,500.00	\$ -
20 2		EA		0	6,200.00	\$ -	3,500.00	\$ -	10,000.00	\$ -

203	CM up to 15-inch	EA		0	6,800.00	\$	5,500.00	\$	13,500.00	\$
204		EA		0	7,200.00	\$	7,500.00	\$	19,500.00	\$
205		LF		0	62.00	\$	30.00	\$	800.00	\$
206		LF		0	68.00	\$	40.00	\$	1,100.00	\$
207		LF		0	72.00	\$	50.00	\$	1,300.00	\$
208		LF		0	84.00	\$	70.00	\$	1,800.00	\$
209	Pipe Installation - Open Cut CM greater than 15-inch to 24-inch	EA		0	10,200.00	\$	3,500.00	\$	10,000.00	\$
210		EA		0	10,800.00	\$	4,500.00	\$	13,500.00	\$
211		EA		0	11,400.00	\$	6,000.00	\$	18,000.00	\$
212		EA		0	12,200.00	\$	8,000.00	\$	26,000.00	\$
213		LF		0	100.00	\$	35.00	\$	1,100.00	\$
214		LF		0	100.00	\$	45.00	\$	1,600.00	\$
215		LF		0	110.00	\$	55.00	\$	1,900.00	\$
216		LF		0	140.00	\$	75.00	\$	2,400.00	\$
217	Pipe Installation - Open Cut FRPM 18-inch to 24-inch	EA		0	10,200.00	\$	5,000.00	\$	10,000.00	\$
218		EA		0	10,800.00	\$	6,000.00	\$	13,500.00	\$
219		EA		0	12,000.00	\$	7,000.00	\$	18,000.00	\$
220		EA		0	12,800.00	\$	9,000.00	\$	26,000.00	\$
221		LF		0	120.00	\$	50.00	\$	1,100.00	\$
222		LF		0	120.00	\$	60.00	\$	1,600.00	\$
223		LF		0	210.00	\$	70.00	\$	1,900.00	\$
224	Pipe Installation - Open Cut Steel Casing up to 18-inch	LF		0	210.00	\$	90.00	\$	2,400.00	\$
225		LF		0	56.00	\$	105.00	\$	200.00	\$
226		LF		0	62.00	\$	110.00	\$	240.00	\$
227		LF		0	78.00	\$	115.00	\$	300.00	\$
228		LF		0	82.00	\$	135.00	\$	350.00	\$
229	Pipe Installation - Open Cut Steel Casing greater than 18-inch to 24-inch	EA		0	2,400.00	\$	50.00	\$	300.00	\$
230		LF		0	72.00	\$	110.00	\$	240.00	\$
231		LF		0	120.00	\$	115.00	\$	280.00	\$
232		LF		0	240.00	\$	120.00	\$	340.00	\$
233		LF		0	310.00	\$	140.00	\$	390.00	\$
234		EA		0	3,200.00	\$	60.00	\$	350.00	\$
235	Pipe Installation - Open Cut Steel Casing greater than	LF		0	84.00	\$	165.00	\$	300.00	\$
236		LF		0	120.00	\$	175.00	\$	340.00	\$
237		LF		0	180.00	\$	190.00	\$	400.00	\$

23 8	24-inch to 36-inch	LF		0	240.00	\$	210.00	\$	450.00	\$
23 9		EA		0	4,200.00	\$	100.00	\$	400.00	\$
24 0	Pipe Installation - Open Cut Steel Casing greater than 36-inch to 48-inch	LF		0	120.00	\$	265.00	\$	350.00	\$
24 1		LF		0	210.00	\$	275.00	\$	390.00	\$
24 2		LF		0	280.00	\$	295.00	\$	450.00	\$
24 3		LF		0	340.00	\$	315.00	\$	500.00	\$
24 4		EA		0	5,800.00	\$	150.00	\$	500.00	\$
24 5	Cased Bore 12"	LF		0	210.00	\$	170.00	\$	300.00	\$
24 6		LF		0	300.00	\$	205.00	\$	600.00	\$
24 7		LF		0	560.00	\$	500.00	\$	300.00	\$
24 8	Cased Bore 18"	LF		0	420.00	\$	230.00	\$	400.00	\$
24 9		LF		0	560.00	\$	245.00	\$	700.00	\$
25 0		LF		0	620.00	\$	500.00	\$	500.00	\$
25 1	Cased Bore 24"	LF		0	680.00	\$	255.00	\$	500.00	\$
25 2		LF		0	720.00	\$	275.00	\$	1,000.00	\$
25 3		LF		0	800.00	\$	500.00	\$	700.00	\$
25 4	Cased Bore 36"	LF		0	700.00	\$	350.00	\$	600.00	\$
25 5		LF		0	720.00	\$	385.00	\$	1,200.00	\$
25 6		LF		0	780.00	\$	600.00	\$	1,000.00	\$
25 7	Bore Entry Pit	VF		0	100.00	\$	200.00	\$	1,000.00	\$
25 8		VF		0	200.00	\$	220.00	\$	1,000.00	\$
25 9		VF		0	200.00	\$	250.00	\$	1,000.00	\$
26 0		VF		0	240.00	\$	625.00	\$	2,500.00	\$
26 1	Bore Receiving Pit	VF		0	50.00	\$	100.00	\$	1,000.00	\$
26 2		VF		0	50.00	\$	120.00	\$	1,000.00	\$
26 3		VF		0	50.00	\$	150.00	\$	1,000.00	\$
26 4		VF		0	50.00	\$	250.00	\$	2,500.00	\$
26 5	Pipe Insertion into Steel Casing PVC up to 8-inch	LF		0	20.00	\$	40.00	\$	100.00	\$
26 6	Pipe Insertion into Steel Casing PVC greater than 8-inch to 16-inch	LF		0	20.00	\$	65.00	\$	120.00	\$
26 7	Pipe Insertion into Steel Casing	LF		0	24.00	\$	95.00	\$	150.00	\$

	PVC greater than 16-inch to 24-inch										
268	Pipe Insertion into Steel Casing DI up to 8-inch	LF			0	24.00	\$ -	40.00	\$ -	110.00	\$ -
269	Pipe Insertion into Steel Casing DI greater than 8-inch to 16-inch	LF			0	20.00	\$ -	65.00	\$ -	140.00	\$ -
270	Pipe Insertion into Steel Casing DI greater than 16-inch to 24-inch	LF			0	32.00	\$ -	95.00	\$ -	180.00	\$ -
271	Pipe Insertion into Steel Casing FRPM 18-inch to 24-inch	LF			0	32.00	\$ -	95.00	\$ -	180.00	\$ -
272	Polyethylene Pipe Encasement	LF			0	120.00	\$ -	5.00	\$ -	4.00	\$ -
273		LF			0	220.00	\$ -	6.00	\$ -	8.00	\$ -
274	Connect Fitting to Pipe PVC Fitting up to 8-inch	EA			0	500.00	\$ -	200.00	\$ -	400.00	\$ -
275	Connect Fitting to Pipe PVC Fitting Greater than 8-inch to 16-inch	EA			0	1,200.00	\$ -	400.00	\$ -	500.00	\$ -
276	Connect Fitting to Pipe PVC Fitting Greater than 16-inch to 24-inch	EA			0	2,400.00	\$ -	600.00	\$ -	1,000.00	\$ -
277	Connect Fitting to Pipe DI Fitting up to 8-inch	EA			0	1,200.00	\$ -	200.00	\$ -	500.00	\$ -
278	Connect Fitting to Pipe DI Fitting Greater than 8-inch to 16-inch	EA			0	4,400.00	\$ -	400.00	\$ -	2,000.00	\$ -
279	Connect Fitting to Pipe DI Fitting Greater than 16-inch to 24-inch	EA			0	6,800.00	\$ -	600.00	\$ -	4,000.00	\$ -

280	Pipe Collar Installation	CF			0	200.00	\$ -	40.00	\$ -	12.00	\$ -
281	Flared End Section Installation	EA			0	1,500.00	\$ -	300.00	\$ -	500.00	\$ -
282		EA			0	2,400.00	\$ -	400.00	\$ -	1,500.00	\$ -
283	Precast Headwall Installation	EA			0	1,800.00	\$ -	600.00	\$ -	1,500.00	\$ -
284	Headwall Installation	EA	2		2	3,200.00	\$ 6,400.00	700.00	\$ 1,400.00	2,500.00	\$ 5,000.00
285	Precast Manhole Installation	EA	4	3	7	1,200.00	\$ 8,400.00	500.00	\$ 3,500.00	1,500.00	\$ 10,500.00
286	4-Foot Diameter	VF	60	40	100	160.00	\$ 16,000.00	100.00	\$ 10,000.00	300.00	\$ 30,000.00
287	Precast Manhole Installation	EA			0	2,010.00	\$ -	600.00	\$ -	2,000.00	\$ -
288	5-Foot Diameter	VF			0	210.00	\$ -	120.00	\$ -	500.00	\$ -
289	Precast Manhole Installation	EA			0	2,400.00	\$ -	700.00	\$ -	3,000.00	\$ -
290	6-Foot Diameter	VF			0	320.00	\$ -	130.00	\$ -	600.00	\$ -
291	Precast Box / Vault Installation	EA			0	1,200.00	\$ -	1,000.00	\$ -	4,000.00	\$ -
292	Up to 5-Foot by 5-Foot	VF			0	200.00	\$ -	140.00	\$ -	600.00	\$ -
293	Precast Box / Vault Installation	EA			0	3,400.00	\$ -	1,100.00	\$ -	8,000.00	\$ -
294	Greater than 5-Foot by 5-Foot to 8-Foot by 8-Foot	VF			0	320.00	\$ -	140.00	\$ -	1,000.00	\$ -
295	Manhole Invert Construction	EA		3	3	600.00	\$ 1,800.00	450.00	\$ 1,350.00	1,000.00	\$ 3,000.00
296	4-Foot Diameter Manhole	EA			0	800.00	\$ -	450.00	\$ -	1,200.00	\$ -
297	Manhole Invert Construction	EA			0	1,200.00	\$ -	550.00	\$ -	1,200.00	\$ -
298	5-Foot Diameter Manhole	EA			0	1,600.00	\$ -	550.00	\$ -	1,400.00	\$ -
299	Manhole Invert Construction	EA			0	1,800.00	\$ -	650.00	\$ -	1,400.00	\$ -
300	6-Foot Diameter Manhole	EA			0	2,200.00	\$ -	650.00	\$ -	1,600.00	\$ -
301	Other Invert Construction	SF			0	10.00	\$ -	30.00	\$ -	100.00	\$ -
302		SF			0	28.00	\$ -	30.00	\$ -	120.00	\$ -
303	Ring and Cover Installation	EA	4	3	7	400.00	\$ 2,800.00	100.00	\$ 700.00	800.00	\$ 5,600.00
304		EA			0	100.00	\$ -	100.00	\$ -	500.00	\$ -
305	Precast Catch Basin Spillway Installation	EA			0	800.00	\$ -	500.00	\$ -	1,800.00	\$ -
306	Precast Catch Basin	EA			0	1,200.00	\$ -	500.00	\$ -	2,000.00	\$ -

	Top Slab Installation										
307	Concrete Core	EA			0	200.00	\$ -	400.00	\$ -	1,500.00	\$ -
308		EA			0	800.00	\$ -	450.00	\$ -	1,800.00	\$ -
309		EA			0	1,200.00	\$ -	500.00	\$ -	2,200.00	\$ -
310		EA			0	2,400.00	\$ -	550.00	\$ -	3,000.00	\$ -
311	Brick Work	SF			0	100.00	\$ -	45.00	\$ -	50.00	\$ -
312		SF			0	200.00	\$ -	70.00	\$ -	75.00	\$ -
313		SF			0	300.00	\$ -	95.00	\$ -	125.00	\$ -
314		SF			0	400.00	\$ -	120.00	\$ -	200.00	\$ -
315	Concrete Work	CY			0	480.00	\$ -	400.00	\$ -	200.00	\$ -
316		SF			0	40.00	\$ -	3.50	\$ -	50.00	\$ -
317		LF			0	40.00	\$ -	6.50	\$ -	15.00	\$ -
318	Cementitious Grouting	CF			0	40.00	\$ -	30.00	\$ -	200.00	\$ -
319		CY			0	480.00	\$ -	400.00	\$ -	500.00	\$ -
320		EA			0	2,800.00	\$ -	2,500.00	\$ -	5,000.00	\$ -
321	Chemical Grouting	GAL			0	680.00	\$ -	200.00	\$ -	100.00	\$ -
322		EA			0	4,200.00	\$ -	2,500.00	\$ -	5,000.00	\$ -
323	Pressure Testing	EA		3	3	900.00	\$ 2,700.00	500.00	\$ 1,500.00	1,500.00	\$ 4,500.00
324		EA			0	1,400.00	\$ -	500.00	\$ -	1,500.00	\$ -
325	CCTV Testing	LF		437	437	10.00	\$ 4,370.00	1.50	\$ 655.50	10.00	\$ 4,370.00
326	Deformation Testing	LF		437	437	110.00	\$ 48,070.00	1.50	\$ 655.50	5.00	\$ 2,185.00
327	Hourly Labor	HR	4	4	8	68.00	\$ 544.00	35.00	\$ 280.00	100.00	\$ 800.00
328		HR	8	8	16	46.00	\$ 736.00	30.00	\$ 480.00	90.00	\$ 1,440.00
329		HR	8	16	24	32.00	\$ 768.00	25.00	\$ 600.00	80.00	\$ 1,920.00
330		HR		8	8	28.00	\$ 224.00	23.00	\$ 184.00	70.00	\$ 560.00
331		HR	8	16	24	22.00	\$ 528.00	20.00	\$ 480.00	50.00	\$ 1,200.00
332		HR	8		8	24.00	\$ 192.00	20.00	\$ 160.00	70.00	\$ 560.00
333		HR		8	8	88.00	\$ 704.00	130.00	\$ 1,040.00	300.00	\$ 2,400.00
334	Hourly Equipment	HR			0	72.00	\$ -	120.00	\$ -	250.00	\$ -
335		HR			0	52.00	\$ -	110.00	\$ -	200.00	\$ -
336		HR			0	48.00	\$ -	65.00	\$ -	175.00	\$ -
337		HR			0	42.00	\$ -	65.00	\$ -	150.00	\$ -
338		HR		8	8	48.00	\$ 384.00	70.00	\$ 560.00	200.00	\$ 1,600.00
339		HR	8		8	42.00	\$ 336.00	55.00	\$ 440.00	200.00	\$ 1,600.00
340		HR			0	54.00	\$ -	60.00	\$ -	250.00	\$ -

34 1		HR			0	28.00	\$ -	65.00	\$ -	200.00	\$ -
34 2		HR			0	24.00	\$ -	40.00	\$ -	200.00	\$ -
34 3		HR	8		8	72.00	\$ 576.00	60.00	\$ 480.00	110.00	\$ 880.00
34 4		HR	8	8	16	110.00	\$ 1,760.00	260.00	\$ 4,160.00	400.00	\$ 6,400.00
34 5		HR			0	40.00	\$ -	15.00	\$ -	100.00	\$ -
34 6		HR	8	8	16	110.00	\$ 1,760.00	25.00	\$ 400.00	250.00	\$ 4,000.00
34 7	Traffic Control Rental	EA									
34 8	Equipment Rental	EA									
34 9	Supplied Material	EA									
35 0	Specialty Services	EA									
TOTAL							\$ 516,184.50		\$ 191,857.00		\$ 2,341,374.20

Recommendation:

CCWA staff recommended awarding the bid to Don Hall Construction based on the unit pricing provided.

UPON MOTION by Marie Barber and second by Rodney Givens, it was unanimously

RESOLVED to award the bid to Don Hall Construction based on their unit prices provided with an option to renew for a second and third year with the same terms and conditions, contingent upon approval of bonds and insurance as required and to authorize the General Manager to sign the contract.

Small Pressure – Flow Pipe Work Bid Recommendation: Program Management and Engineering Director Kelly Taylor presented a recommendation on the Small Pressure – Flow Pipe Work Bid.

CCWA utilizes annual services contracts to support our various pipeline replacement and rehabilitation programs. CCWA currently has four annual contracts for pipe repair, replacement, and rehabilitation:

- The General Pipe Work annual services contract is for open cut work and is used for water, sewer, or stormwater pipe repairs. This contract applies to gravity and pressure pipe up to 108-inches. Hall Construction (Primary Contractor) and Construction 57 (Backup) are in their third and final year of this contract which expires on October 31, 2020.

- The Small Gravity Pipe Replacement contract provides services to failing sewer and stormwater pipes up to 24-inches. Hall Construction is in their third and final year of this contract which expires on January 31, 2020.
- The Small Pressure Flow Pipe Work contract provides services to failing water and sewer force main pipes up to 12-inches. Hall Construction is in their third and final year of this contract which expires on January 31, 2020.
- The Cured-In-Place Pipe Rehabilitation contract provides services for replacement of failing sewer and stormwater pipes from 3/4-inch up to 108-inch pipe. Granite Inliner is in year one of the contract, and should they be renewed for two additional years, it would expire on June 30, 2022.

EXHIBIT 3 – Bid Evaluation

Bids Received	Total Bid Evaluation Amount (Typical Job)	SLBE Notes	SLBE Bid Discount	SLBE Adjusted Bid Amount
Don Hall Construction	\$161,403.00	CCWA Certified Prime SLBE	10%	\$145,262.70
Civil Works	\$280,648.00	CCWA Certified Prime SLBE	10%	\$252,583.20
AM Construction	Non-responsive			

**Clayton County Water Authority
Annual Contract for Small Pressure-Flow Pipe Work
BID TABULATION**

Tuesday, October 29, 2019

				Civil Works		Don Hall Construction	
No.	Work Item	Unit	Estimated Quantity	Unit Cost	Extended Amount	Unit Cost	Extended Amount
1	Mobilization	EA	1	1,000.00	\$ 1,000.00	900.00	\$ 900.00
2	Mobilization	EA		3,000.00	\$ -	1,200.00	\$ -
3	Performance and Payment Bonds	EA	1	3,000.00	\$ 3,000.00	1,800.00	\$ 1,800.00
4		EA	1	500.00	\$ 500.00	360.00	\$ 360.00
5	Erosion and Sedimentation Control Sediment Barrier Installation	LF	25	3.50	\$ 87.50	2.50	\$ 62.50
6		LF		4.00	\$ -	3.50	\$ -
7		LF		7.00	\$ -	5.00	\$ -
8	Erosion and Sedimentation Control Sediment Barrier Removal	LF	25	1.50	\$ 37.50	1.00	\$ 25.00
9	Erosion and Sedimentation Control Curb Inlet Sediment Trap	EA		125.00	\$ -	100.00	\$ -

10		SF	100	0.25	\$ 25.00	0.30	\$ 30.00
11	Erosion and Sedimentation Control Soil Stabilization	SF	15000	0.25	\$ 3,750.00	0.40	\$ 6,000.00
12		SF		1.00	\$ -	0.50	\$ -
13		SF	250	1.25	\$ 312.50	1.80	\$ 450.00
14	Hauling Material from Outside of County	HR		100.00	\$ -	75.00	\$ -
15	Tree Removal	EA	1	200.00	\$ 200.00	350.00	\$ 350.00
16		EA		600.00	\$ -	600.00	\$ -
17		EA		900.00	\$ -	1,600.00	\$ -
18		EA		1,200.00	\$ -	1,900.00	\$ -
19	Fence Work	LF	25	6.00	\$ 150.00	10.00	\$ 250.00
20		LF	25	6.00	\$ 150.00	18.00	\$ 450.00
21	General Excavation	CF	1000	0.40	\$ 400.00	1.80	\$ 1,800.00
22		CF		0.60	\$ -	1.80	\$ -
23		CF		1.00	\$ -	1.80	\$ -
24		CF		2.00	\$ -	1.80	\$ -
25	Rock Excavation	CF	200	14.00	\$ 2,800.00	4.00	\$ 800.00
26	General Fill / Backfill	CF	1000	1.00	\$ 1,000.00	1.20	\$ 1,200.00
27		CF		2.00	\$ -	1.50	\$ -
28		CF		2.50	\$ -	1.35	\$ -
29		CF	1000	2.00	\$ 2,000.00	1.60	\$ 1,600.00
30		CF		3.00	\$ -	1.60	\$ -
31		CF		5.00	\$ -	1.80	\$ -
32	Stone Placement Crushed Stone / Graded Aggregate Base	SF	1050	2.00	\$ 2,100.00	1.65	\$ 1,732.50
33		SF		1.00	\$ -	0.55	\$ -
34	Stone Placement #3, #4, #34, #5, #57 and #89 Stone	SF		2.00	\$ -	1.60	\$ -
35		SF		1.00	\$ -	0.52	\$ -
36	Stone Placement Surge Stone	SF		2.00	\$ -	1.70	\$ -
37		SF		1.00	\$ -	1.70	\$ -
38	Stone Placement Type 3 Rip-Rap	SF		3.00	\$ -	2.00	\$ -
39		SF		2.00	\$ -	2.00	\$ -
40	Stone Placement Type 1 Rip-Rap	SF		4.00	\$ -	3.00	\$ -
41	Geotextile Fabric Installation	SF		1.00	\$ -	0.40	\$ -
42	Pavement - Remove Asphalt	SF	500	1.50	\$ 750.00	3.00	\$ 1,500.00
43		SF	50	1.75	\$ 87.50	4.00	\$ 200.00
44		SF		2.00	\$ -	5.00	\$ -

45		SF		3.00	\$ -	6.00	\$ -
46	Pavement - Remove Concrete Flat Work	SF	500	1.00	\$ 500.00	2.50	\$ 1,250.00
47		SF		2.00	\$ -	3.00	\$ -
48		SF		4.00	\$ -	3.40	\$ -
49		SF		6.00	\$ -	4.00	\$ -
50		LF	20	6.00	\$ 120.00	5.00	\$ 100.00
51	Pavement - Milling Pavement	EA		5,000.00	\$ -	5,900.00	\$ -
52		SF		10.00	\$ -	4.00	\$ -
53	Pavement - Asphalt Patching	SF	500	6.00	\$ 3,000.00	7.00	\$ 3,500.00
54		SF		5.00	\$ -	2.30	\$ -
55	Pavement - Asphalt Paving	SF		8.00	\$ -	6.00	\$ -
56		SF		6.00	\$ -	2.00	\$ -
57	Pavement - Concrete Flatwork	SF	500	8.00	\$ 4,000.00	6.00	\$ 3,000.00
58		SF		8.00	\$ -	7.00	\$ -
59		SF		12.00	\$ -	8.50	\$ -
60		SF		16.00	\$ -	9.50	\$ -
61		SF		4.00	\$ -	1.20	\$ -
62		LF		80.00	\$ -	5.50	\$ -
63	Pavement - Curb and Gutter Replacement	LF	10	36.00	\$ 360.00	25.00	\$ 250.00
64		LF	10	42.00	\$ 420.00	25.00	\$ 250.00
65	Pavement - Pavement Striping	LF	10	6.00	\$ 60.00	5.50	\$ 55.00
66		LF		12.00	\$ -	8.50	\$ -
67	Pavement - Pressure Washing	SF	250	10.00	\$ 2,500.00	0.50	\$ 125.00
68	Pumping 4-inch Pump	DY		400.00	\$ -	875.00	\$ -
69		DY		400.00	\$ -	975.00	\$ -
70	Pumping 6-inch Pump	DY		800.00	\$ -	1,200.00	\$ -
71		DY		900.00	\$ -	1,400.00	\$ -
72	Pipe Installation - Open Cut Copper (Type "K") Up to 1-inch	EA	15	1,200.00	\$ 18,000.00	500.00	\$ 7,500.00
73		LF	20	32.00	\$ 640.00	20.00	\$ 400.00
74	Pipe Installation - augered Copper (Type "K") Up to 1-inch	EA	25	1,600.00	\$ 40,000.00	900.00	\$ 22,500.00
75		LF	100	42.00	\$ 4,200.00	20.00	\$ 2,000.00
76	Pipe Installation - Open Cut Copper (Type "L") 1-1/2 to 2-inch	LF	1000	48.00	\$ 48,000.00	21.50	\$ 21,500.00
77		LF	20	58.00	\$ 1,160.00	31.50	\$ 630.00
78		LF		78.00	\$ -	51.50	\$ -
79	Pipe Installation - augered Copper (Type "L") 1-1/2 to 2-inch	LF	1000	68.00	\$ 68,000.00	21.50	\$ 21,500.00

80		LF	20	72.00	\$ 1,440.00	31.50	\$ 630.00
81		LF		98.00	\$ -	51.50	\$ -
82	Pipe Installation - Open Cut PVC up to 8-inch	EA		3,800.00	\$ -	2,500.00	\$ -
83		EA		4,800.00	\$ -	3,500.00	\$ -
84		EA		7,800.00	\$ -	4,000.00	\$ -
85		EA		12,600.00	\$ -	5,000.00	\$ -
86		LF		10.00	\$ -	25.00	\$ -
87		LF		32.00	\$ -	30.00	\$ -
88		LF		48.00	\$ -	40.00	\$ -
89		LF		72.00	\$ -	50.00	\$ -
90	Pipe Installation - Open Cut DI up to 8-inch	EA	2	4,200.00	\$ 8,400.00	2,500.00	\$ 5,000.00
91		EA		5,200.00	\$ -	3,500.00	\$ -
92		EA		8,200.00	\$ -	4,000.00	\$ -
93		EA		12,800.00	\$ -	5,000.00	\$ -
94		LF	1000	12.00	\$ 12,000.00	25.00	\$ 25,000.00
95		LF		38.00	\$ -	30.00	\$ -
96		LF		52.00	\$ -	40.00	\$ -
97		LF		84.00	\$ -	50.00	\$ -
98	Pipe Installation - Open Cut Steel Casing up to 18-inch	LF	20	56.00	\$ 1,120.00	120.00	\$ 2,400.00
99		LF		62.00	\$ -	125.00	\$ -
100		LF		78.00	\$ -	130.00	\$ -
101		LF		82.00	\$ -	150.00	\$ -
102		EA		2,400.00	\$ -	50.00	\$ -
103	Pipe Installation - Open Cut Steel Casing greater than 18-inch to 24-inch	LF		72.00	\$ -	125.00	\$ -
104		LF		120.00	\$ -	130.00	\$ -
105		LF		240.00	\$ -	135.00	\$ -
106		LF		310.00	\$ -	155.00	\$ -
107		EA		3,200.00	\$ -	60.00	\$ -
108	Cased Bore 12"	LF	20	210.00	\$ 4,200.00	190.00	\$ 3,800.00
109		LF		300.00	\$ -	225.00	\$ -
110		LF		560.00	\$ -	500.00	\$ -
111	Cased Bore 18"	LF		420.00	\$ -	245.00	\$ -
112		LF		560.00	\$ -	265.00	\$ -
113		LF		620.00	\$ -	500.00	\$ -
114	Cased Bore 24"	LF	20	680.00	\$ 13,600.00	285.00	\$ 5,700.00

115		LF		720.00	\$ -	305.00	\$ -
116		LF		800.00	\$ -	500.00	\$ -
117	Bore Entry Pit	VF	8	100.00	\$ 800.00	200.00	\$ 1,600.00
118		VF		200.00	\$ -	220.00	\$ -
119		VF		200.00	\$ -	250.00	\$ -
120		VF		240.00	\$ -	625.00	\$ -
121	Bore Receiving Pit	VF	8	50.00	\$ 400.00	100.00	\$ 800.00
122		VF		50.00	\$ -	120.00	\$ -
123		VF		50.00	\$ -	150.00	\$ -
124		VF		50.00	\$ -	250.00	\$ -
125	Pipe Insertion into Steel Casing PVC up to 8-inch	LF		20.00	\$ -	20.00	\$ -
126	Pipe Insertion into Steel Casing DI up to 8-inch	LF	60	60.00	\$ 3,600.00	20.00	\$ 1,200.00
127	Polyethylene Pipe Encasement	LF	20	120.00	\$ 2,400.00	5.00	\$ 100.00
128	Core Into Pipe	EA	5	1,200.00	\$ 6,000.00	700.00	\$ 3,500.00
129		EA	1	1,400.00	\$ 1,400.00	800.00	\$ 800.00
130		EA	1	2,000.00	\$ 2,000.00	900.00	\$ 900.00
131	Connect Fitting / Valve to Pipe Brass / Bronze Fitting / Valve up to 2-inch	EA	5	600.00	\$ 3,000.00	250.00	\$ 1,250.00
132	Connect Fitting / Valve to Pipe PVC Fitting / Valve up to 8-inch	EA		600.00	\$ -	300.00	\$ -
133	Connect Fitting / Valve to Pipe DI Fitting / Valve up to 8-inch	EA	2	600.00	\$ 1,200.00	300.00	\$ 600.00
134	Fire Hydrant Installation	EA	2	1,200.00	\$ 2,400.00	400.00	\$ 800.00
135		EA		1,400.00	\$ -	600.00	\$ -
136		EA		600.00	\$ -	400.00	\$ -
137	Fire Hydrant (Existing) Vertical Adjustment	VF		400.00	\$ -	200.00	\$ -
138	Fire Hydrant Removal	EA		800.00	\$ -	400.00	\$ -
139		EA		1,000.00	\$ -	600.00	\$ -
140		EA		200.00	\$ -	400.00	\$ -
141	Air / Vacuum Release Valve Installation	EA		2,000.00	\$ -	1,500.00	\$ -
142	Concrete Thrust Restraint	EA	2	800.00	\$ 1,600.00	700.00	\$ 1,400.00
143		EA		800.00	\$ -	500.00	\$ -
144	Pipe Collar Installation	CF		100.00	\$ -	40.00	\$ -
145	Precast Manhole Installation 4-Foot Diameter	EA		1,200.00	\$ -	500.00	\$ -
146		VF		400.00	\$ -	100.00	\$ -
147	Precast Manhole Installation 5-Foot Diameter	EA		1,400.00	\$ -	600.00	\$ -
148		VF		600.00	\$ -	120.00	\$ -

149	Manhole Invert Construction 4-Foot Diameter Manhole	EA		800.00	\$ -	450.00	\$ -
150		EA		850.00	\$ -	450.00	\$ -
151	Manhole Invert Construction 5-Foot Diameter Manhole	EA		1,000.00	\$ -	550.00	\$ -
152		EA		1,100.00	\$ -	550.00	\$ -
153	Ring and Cover Installation	EA		400.00	\$ -	100.00	\$ -
154		EA		100.00	\$ -	100.00	\$ -
155	Concrete Core	EA		200.00	\$ -	400.00	\$ -
156		EA		800.00	\$ -	450.00	\$ -
157		EA		1,200.00	\$ -	500.00	\$ -
158		EA		2,400.00	\$ -	550.00	\$ -
159	Brick Work	SF		100.00	\$ -	35.00	\$ -
160		SF		200.00	\$ -	60.00	\$ -
161		SF		300.00	\$ -	85.00	\$ -
162		SF		400.00	\$ -	110.00	\$ -
163	Concrete Work	CY		480.00	\$ -	400.00	\$ -
164		SF		40.00	\$ -	3.50	\$ -
165		LF		40.00	\$ -	6.50	\$ -
166	Cementitious Grouting	CF		40.00	\$ -	30.00	\$ -
167		CY		480.00	\$ -	400.00	\$ -
168		EA		2,800.00	\$ -	2,500.00	\$ -
169	Pressure Testing	EA	1	1,400.00	\$ 1,400.00	500.00	\$ 500.00
170	Pipe Disinfection	GAL	20	200.00	\$ 4,000.00	40.00	\$ 800.00
171	Hourly Labor	HR		68.00	\$ -	35.00	\$ -
172		HR	1	46.00	\$ 46.00	30.00	\$ 30.00
173		HR	1	32.00	\$ 32.00	25.00	\$ 25.00
174		HR	1	28.00	\$ 28.00	23.00	\$ 23.00
175		HR	1	22.00	\$ 22.00	20.00	\$ 20.00
176		HR		24.00	\$ -	20.00	\$ -
177	Hourly Equipment	HR		88.00	\$ -	130.00	\$ -
178		HR		72.00	\$ -	120.00	\$ -
179		HR	1	52.00	\$ 52.00	110.00	\$ 110.00
180		HR		48.00	\$ -	65.00	\$ -
181		HR		42.00	\$ -	65.00	\$ -
182		HR	1	48.00	\$ 48.00	70.00	\$ 70.00
183		HR		42.00	\$ -	55.00	\$ -

184		HR		54.00	\$ -	60.00	\$ -
185		HR		28.00	\$ -	65.00	\$ -
186		HR		24.00	\$ -	40.00	\$ -
187		HR		72.00	\$ -	60.00	\$ -
188		HR	1	110.00	\$ 110.00	260.00	\$ 260.00
189		HR	1	40.00	\$ 40.00	15.00	\$ 15.00
190		HR		110.00	\$ -	25.00	\$ -
191	Equipment Rental	EA		10%		10%	
192	Supplied Material	EA		10%		10%	
193	Specialty Services	EA		10%		10%	
Total (Typical Jobs only)					\$ 280,648.00		\$ 161,403.00

Recommendation:

CCWA staff recommended awarding the bid to Don Hall Construction based upon the unit pricing provided.

UPON MOTION by Robin Malone and second by Vivian Baldwin, it was unanimously

RESOLVED to award the Small Pressure – Flow Pipe Work bid to Don Hall Construction based upon the unit pricing provided with an option to renew for a second and third year with the same terms and conditions, contingent upon approval of bonds and insurance as required and to authorize the General Manager to sign the contract.

Sole Source Manhole Recommendation: Program Management and Engineering Director Kelly Taylor presented a recommendation on the Sole Source Manhole purchase.

Over the last ten years, CCWA has been working on implementing several pipeline renewal and replacement programs. For our sewer pipelines, corrosion has caused severe structural problems with our concrete and ductile iron pipe. As a result, CCWA has been committing significant resources towards replacing our system and using materials that have a longer lifespan and can withstand the corrosive sewer flows. For example, on our large sewer outfall projects, we are using fiberglass reinforced polymer mortar pipe (FRPM) and High Density Polyethylene (HDPE) lined manholes. As we continue to look for innovative products that can provide long-term benefits to our system, we recently piloted the use of Armorock Manholes on a sewer replacement project.

Armorock Manholes are polymer concrete structures that are corrosion resistant. Additionally, the rebar within the manholes is fiberglass (instead of steel) meaning they are completely corrosion resistant throughout the structure. An additional benefit is the manholes can be cored in the field. This is particularly helpful when there is

uncertainty of the exact location of existing utilities which requires adjustments to the location of the incoming or outgoing pipes. Should a field condition change during installation, this product can be field modified. For these situations where we are using an HDPE lined manhole, the base would need to be reordered and custom made, which would delay progress at this location and increase the cost of the project due to such delays.

Recommendation:

CCWA staff recommended the approval of the Sole Source purchase of Armorock manholes. Staff anticipates requiring up to \$200,000 for the current fiscal year and for each of the following two fiscal years.

UPON MOTION by John Westervelt and second by Dr. Cephus Jackson, it was unanimously

RESOLVED to approve the Sole Source purchase of Armorock manholes.

Miscellaneous Concrete Work Bid Recommendation: Distribution and Conveyance Director Jeff Jones presented a recommendation on the Miscellaneous Concrete Work Bid.

Vendor	Total Bid Amount	SLBE Discount/Revised Bid Amount
Autaco Development	\$4,719,200.00	7.5% \$4,365,260.00
A & M Construction LLC	\$3,610,840.47	None \$3,610,840.47
C & C Lovejoy LLC	\$1,750,540.00	10% \$1,575,486.00
DAF Concrete, Inc.	\$1,516,825.00	10% \$1,365,142.50
DJR Construction Group LLC	\$1,498,612.00	None \$1,498,612.00

2019 MISCELLANEOUS CONCRETE WORK BID TAB

Tuesday, November 5, 2019

			Autoco Development		A & M Construction LLC		C & C Lovejoy LLC		DAF Concrete, Inc.		DJR Construction Group LLC	
#	Description	Est Qty	Unit cost	Extended	Unit cost	Extended	Unit cost	Extended	Unit cost	Extended	Unit cost	Extended

1	Emergency Mobilization	20	1,000.00	20,000.00	2,210.58	44,211.60	0.00	0.00	100.00	2,000.00	100.00	2,000.00
2	Traffic Control	5	1,400.00	7,000.00	1,734.96	8,674.80	500.00	2,500.00	100.00	500.00	200.00	1,000.00
3	County Road	10	1,900.00	19,000.00	2,295.89	22,958.90	750.00	7,500.00	100.00	1,000.00	200.00	2,000.00
4	Traffic Control		1,400.00	0.00	2,049.63	0.00	750.00	0.00	100.00	0.00	250.00	0.00
5	State Road		1,900.00	0.00	3,257.15	0.00	1,000.00	0.00	100.00	0.00	250.00	0.00
6	Site Work Pumping	1	800.00	800.00	965.48	965.48	1,000.00	1,000.00	500.00	500.00	900.00	900.00
7		1	900.00	900.00	1,210.57	1,210.57	1,100.00	1,100.00	500.00	500.00	1,050.00	1,050.00
8		1	1,000.00	1,000.00	2,279.12	2,279.12	1,200.00	1,200.00	500.00	500.00	975.00	975.00
9	Site Work		3.15	0.00	4.05	0.00	1.25	0.00	1.00	0.00	1.00	0.00
10	Sediment Barrier		4.15	0.00	4.11	0.00	2.25	0.00	1.00	0.00	1.30	0.00
11	Installation		4.00	0.00	6.06	0.00	2.25	0.00	0.50	0.00	1.80	0.00
12	Site Work Sediment Barrier Removal		0.15	0.00	1.74	0.00	5.00	0.00	0.50	0.00	430.00	0.00
13	Site Work	500	0.20	100.00	1.11	555.00	0.40	200.00	0.35	175.00	0.40	200.00
14	Soil Stabilization		1.75	0.00	1.66	0.00	0.65	0.00	0.50	0.00	1.00	0.00
15			2.00	0.00	3.32	0.00	1.00	0.00	0.15	0.00	1.00	0.00
16	Site Work	200	4.00	800.00	9.46	1,892.00	2.00	400.00	1.00	200.00	1.00	200.00
17	Remove Asphalt	200	5.00	1,000.00	14.86	2,972.00	3.00	600.00	1.00	200.00	1.10	220.00
18	Pavement	200	8.00	1,600.00	15.45	3,090.00	4.00	800.00	1.00	200.00	1.00	200.00

19		200	10.00	2,000.00	19.59	3,918.00	5.00	1,000.00	1.00	200.00	1.00	200.00
20		200	12.00	2,400.00	26.50	5,300.00	6.00	1,200.00	1.00	200.00	1.00	200.00
21		11,000	3.00	33,000.00	11.35	124,850.00	3.50	38,500.00	3.50	38,500.00	3.00	33,000.00
22	Site Work	38,000	3.25	123,500.00	17.26	655,880.00	4.50	171,000.00	3.50	133,000.00	3.00	114,000.00
23	Remove Concrete	1,000	3.50	3,500.00	19.04	19,040.00	5.00	5,000.00	3.50	3,500.00	3.00	3,000.00
24	Flat Work	2,000	4.00	8,000.00	21.76	43,520.00	5.50	11,000.00	3.50	7,000.00	3.00	6,000.00
25		500	4.25	2,125.00	24.85	12,425.00	6.00	3,000.00	3.50	1,750.00	3.00	1,500.00
26		6,000	5.00	30,000.00	18.93	113,580.00	5.00	30,000.00	2.50	15,000.00	2.25	13,500.00
27	Site Work		1.00	0.00	7.66	0.00	5.00	0.00	5.10	0.00	4.40	0.00
28	Excavation / Backfill		2.00	0.00	12.18	0.00	5.00	0.00	5.10	0.00	4.40	0.00
29	Site Work		1.50	0.00	7.41	0.00	10.00	0.00	5.10	0.00	9.00	0.00
30	General Fill		2.50	0.00	14.07	0.00	11.00	0.00	5.00	0.00	9.90	0.00
31	Site Work		2.50	0.00	14.25	0.00	1.50	0.00	1.00	0.00	1.30	0.00
32	Stone Placement on Slope		3.50	0.00	21.98	0.00	2.50	0.00	1.00	0.00	2.20	0.00
33	Site Work	20	20.00	400.00	86.64	1,732.80	100.00	2,000.00	50.00	1,000.00	130.00	2,600.00
34	Steel Plate	30	40.00	1,200.00	116.07	3,482.10	200.00	6,000.00	50.00	1,500.00	175.00	5,250.00
35	Installation	20	70.00	1,400.00	156.19	3,123.80	300.00	6,000.00	100.00	2,000.00	175.00	3,500.00
36	Site Work	250	2.50	625.00	4.70	1,175.00	100.00	25,000.00	1.00	250.00	9.00	2,250.00
37	Pavement Marking	20	350.00	7,000.00	497.38	9,947.60	300.00	6,000.00	20.00	400.00	260.00	5,200.00
38	Site Work Pavement		1.00	0.00	5.80	0.00	0.15	0.00	0.50	0.00	0.14	0.00

	Pressure Washing											
39	Site Work Hauling Debris From Work Site		400.00	0.00	550.89	0.00	150.00	0.00	100.00	0.00	130.00	0.00
40	Concrete Work	4,000	18.00	72,000.00	25.42	101,680.00	15.00	60,000.00	18.00	72,000.00	19.00	76,000.00
41	Curb and Gutter	4,000	18.00	72,000.00	25.42	101,680.00	20.00	80,000.00	18.00	72,000.00	19.00	76,000.00
42	Concrete Work Slab-On-Grade	15,000	4.95	74,250.00	7.44	111,600.00	6.50	97,500.00	6.50	97,500.00	5.60	84,000.00
43		50,000	6.95	347,500.00	9.10	455,000.00	7.50	375,000.00	7.50	375,000.00	6.50	325,000.00
44		1,200	8.95	10,740.00	12.56	15,072.00	8.50	10,200.00	7.00	8,400.00	6.50	7,800.00
45		2,000	10.95	21,900.00	15.95	31,900.00	9.50	19,000.00	7.00	14,000.00	6.50	13,000.00
46		1,000	12.95	12,950.00	19.29	19,290.00	10.50	10,500.00	7.00	7,000.00	7.00	7,000.00
47			1.00	0.00	2.75	0.00	0.75	0.00	0.10	0.00	0.70	0.00
48		200	2.00	400.00	5.25	1,050.00	1.00	200.00	0.10	20.00	0.90	180.00
49		100	2.50	250.00	6.64	664.00	1.00	100.00	0.10	10.00	0.90	90.00
50	Concrete Work Catch Basin - Single Wing (GA DOT)	100	1.400.00	140,000.00	2,000.57	200,057.00	1,000.00	100,000.00	800.00	80,000.00	865.00	86,500.00
51	Concrete Work Catch Basin - Double Wing (GA DOT)	60	750.00	45,000.00	1,806.78	108,406.80	1,000.00	60,000.00	800.00	48,000.00	865.00	51,900.00
52	Concrete Work Catch Basin - Double Wing (GA DOT)	120	1,900.00	228,000.00	2,266.67	272,000.40	1,000.00	120,000.00	800.00	96,000.00	875.00	105,000.00
53	Concrete Work Catch Basin - Double Wing (GA DOT)	70	1,900.00	133,000.00	1,895.48	132,683.60	1,000.00	70,000.00	800.00	56,000.00	875.00	61,250.00
54	Concrete Work Catch	1,200	1,900.00	2,280,000.00	41.79	50,148.00	15.00	18,000.00	20.00	24,000.00	17.25	20,700.00

55	Basin - Varying Sizes	400	1,400.00	560,000.00	41.79	16,716.00	22.00	8,800.00	20.00	8,000.00	17.25	6,900.00
56	Concrete Work Catch Basin Spillway Throat		30.00	0.00	26.53	0.00	18.00	0.00	20.00	0.00	17.25	0.00
57	Concrete Work Structure Top / Lid		10.00	0.00	42.16	0.00	15.00	0.00	20.00	0.00	17.25	0.00
58			12.00	0.00	44.99	0.00	17.50	0.00	20.00	0.00	17.25	0.00
59			14.00	0.00	49.12	0.00	20.00	0.00	20.00	0.00	17.25	0.00
60	Concrete Work Headwall for 12-Inch Diameter Opening	2	2,300.00	4,600.00	2,497.29	4,994.58	600.00	1,200.00	600.00	1,200.00	650.00	1,300.00
61			600.00	0.00	1,105.29	0.00	150.00	0.00	100.00	0.00	220.00	0.00
62	Concrete Work Headwall for 15-Inch Diameter Opening	40	2,500.00	100,000.00	2,842.83	113,713.20	1,300.00	52,000.00	1,500.00	60,000.00	1,285.00	51,400.00
63			650.00	0.00	1,326.35	0.00	250.00	0.00	100.00	0.00	260.00	0.00
64	Concrete Work Headwall for 18-Inch Diameter Opening	20	2,600.00	52,000.00	3,876.98	77,539.60	1,400.00	28,000.00	1,800.00	36,000.00	1,550.00	31,000.00
65			675.00	0.00	1,657.93	0.00	250.00	0.00	100.00	0.00	350.00	0.00
66	Concrete Work Headwall for 24-Inch Diameter Opening	5	2,900.00	14,500.00	4,175.86	20,879.30	1,800.00	9,000.00	2,100.00	10,500.00	1,800.00	9,000.00
67		2	700.00	1,400.00	1,934.26	3,868.52	300.00	600.00	100.00	200.00	390.00	780.00
68	Concrete Work Headwall for 30-Inch Diameter Opening	10	3,100.00	31,000.00	5,062.85	50,628.50	2,100.00	21,000.00	1,500.00	15,000.00	2,060.00	20,600.00
69		2	725.00	1,450.00	1,989.52	3,979.04	350.00	700.00	100.00	200.00	430.00	860.00

70	Concrete Work Headwall for 36-Inch Diameter Opening	5	3,150.00	15,750.00	7,056.16	35,280.80	2,400.00	12,000.00	1,500.00	7,500.00	2,400.00	12,000.00
71		5	780.00	3,900.00	2,210.58	11,052.90	400.00	2,000.00	100.00	500.00	430.00	2,150.00
72	Concrete Work Headwall for 42-Inch Diameter Opening		3,350.00	0.00	7,984.55	0.00	3,000.00	0.00	2,000.00	0.00	3,000.00	0.00
73			850.00	0.00	2,486.90	0.00	450.00	0.00	100.00	0.00	430.00	0.00
74	Concrete Work Headwall for 48-Inch Diameter Opening	4	3,550.00	14,200.00	9,760.42	39,041.68	3,200.00	12,800.00	2,000.00	8,000.00	3,600.00	14,400.00
75			950.00	0.00	2,763.22	0.00	500.00	0.00	100.00	0.00	430.00	0.00
76	Concrete Work Headwall for 54-Inch Diameter Opening	2	4,200.00	8,400.00	10,796.41	21,592.82	3,300.00	6,600.00	2,000.00	4,000.00	3,860.00	7,720.00
77			1,000.00	0.00	2,763.22	0.00	500.00	0.00	100.00	0.00	430.00	0.00
78	Concrete Work Headwall for 60-Inch Diameter Opening	2	4,300.00	8,600.00	12,533.73	25,067.46	3,300.00	6,600.00	2,000.00	4,000.00	3,600.00	7,200.00
79			1,050.00	0.00	3,315.87	0.00	500.00	0.00	100.00	0.00	430.00	0.00
80	Concrete Work Headwall for 66-Inch Diameter Opening	2	4,400.00	8,800.00	12,981.08	25,962.16	3,500.00	7,000.00	2,000.00	4,000.00	4,200.00	8,400.00
81			1,100.00	0.00	4,421.16	0.00	600.00	0.00	1,000.00	0.00	430.00	0.00
82	Concrete Work Headwall for 72-Inch Diameter Opening	2	4,800.00	9,600.00	12,423.16	24,846.32	3,900.00	7,800.00	2,000.00	4,000.00	1,200.00	2,400.00
83			1,200.00	0.00	4,973.80	0.00	600.00	0.00	2,000.00	0.00	430.00	0.00

84	Concrete Work Headwall for 84-Inch Diameter Opening	2	5,100.00	10,200.00	15,981.23	31,962.46	4,200.00	8,400.00	2,000.00	4,000.00	4,385.00	8,770.00
85			1,600.00	0.00	5,526.44	0.00	600.00	0.00	1,000.00	0.00	430.00	0.00
86	Concrete Work Headwall for 96-Inch Diameter Opening	2	5,600.00	11,200.00	17,440.98	34,881.96	4,200.00	8,400.00	2,100.00	4,200.00	4,460.00	8,920.00
87			1,900.00	0.00	6,631.73	0.00	600.00	0.00	100.00	0.00	430.00	0.00
88	Concrete Work	2,000	30.00	60,000.00	62.23	124,460.00	20.00	40,000.00	5.00	10,000.00	8.60	17,200.00
89	Footing Construction		42.00	0.00	74.94	0.00	30.00	0.00	5.00	0.00	8.60	0.00
90	Concrete Work	700	8.00	5,600.00	69.59	48,713.00	35.00	24,500.00	30.00	21,000.00	20.00	14,000.00
91	Wall Construction	20	12.00	240.00	91.50	1,830.00	35.00	700.00	30.00	600.00	27.00	540.00
92	Brick Work Wall Construction	400	8.00	3,200.00	29.33	11,732.00	20.00	8,000.00	20.00	8,000.00	17.25	6,900.00
93		2,000	16.00	32,000.00	34.36	68,720.00	32.00	64,000.00	50.00	100,000.00	43.00	86,000.00
94			24.00	0.00	45.74	0.00	40.00	0.00	35.00	0.00	30.00	0.00
95			32.00	0.00	59.53	0.00	50.00	0.00	35.00	0.00	30.00	0.00
96	Miscellaneous Work		5.00	0.00	12.52	0.00	10.00	0.00	5.00	0.00	4.30	0.00
97	Invert Construction		8.00	0.00	17.62	0.00	2.00	0.00	1.00	0.00	1.00	0.00
98	Miscellaneous Work	10	250.00	2,500.00	329.10	3,291.00	150.00	1,500.00	100.00	1,000.00	86.00	860.00
99	Ring and Cover Installation	30	200.00	6,000.00	220.70	6,621.00	150.00	4,500.00	100.00	3,000.00	172.00	5,160.00
100	Miscellaneous Work		5.00	0.00	55.03	0.00	30.00	0.00	17.00	0.00	23.50	0.00
101	Work Cementit	150	180.00	27,000.00	267.99	40,198.50	350.00	52,500.00	200.00	30,000.00	214.50	32,175.00

102	ious Grouting	2	1,200.00	2,400.00	1,657.93	3,315.86	100.00	200.00	100.00	200.00	86.00	172.00
103	Hourly Labor	120	40.00	4,800.00	66.87	8,024.40	30.00	3,600.00	20.00	2,400.00	40.00	4,800.00
104		100	30.00	3,000.00	63.21	6,321.00	25.00	2,500.00	18.00	1,800.00	30.00	3,000.00
105		120	28.00	3,360.00	51.57	6,188.40	20.00	2,400.00	19.00	2,280.00	25.00	3,000.00
106		120	19.00	2,280.00	48.02	5,762.40	16.00	1,920.00	15.00	1,800.00	17.00	2,040.00
107	Hourly Equipment	64	30.00	1,920.00	57.20	3,660.80	55.00	3,520.00	20.00	1,280.00	75.00	4,800.00
108		72	30.00	2,160.00	571.99	41,183.28	55.00	3,960.00	20.00	1,440.00	75.00	5,400.00
109		36	50.00	1,800.00	22.11	795.96	65.00	2,340.00	20.00	720.00	150.00	5,400.00
110	Equipment Rental	10										
111	Special Material	10										
TOTAL BID AMOUNT				\$ 4,719,200.00		\$ 3,610,840.47		\$ 1,750,540.00		\$ 1,516,825.00		\$ 1,498,612.00

Recommendation:

CCWA staff recommended awarding the bid to DAF Concrete, Inc. as the primary contractor and to DJR Construction Group LLC as the secondary contractor based upon the unit pricing provided.

UPON MOTION by Dr. Cephus Jackson and second by Rodney Givens, it was unanimously

RESOLVED to award the Miscellaneous Concrete Work Bid to DAF Concrete, Inc. as the primary contractor and to DJR Construction Group LLC as the secondary contractor based upon the unit pricing provided with an option to renew for a second and third year with the same terms and conditions, contingent upon approval of bonds and insurance as required and to authorize the General Manager to sign the contract.

Water Meter Installations and Service Renewals Bid Recommendation: Distribution and Conveyance Director Jeff Jones presented a recommendation on the Water Meter Installations and Service Renewals Bid.

Vendor	Total Bid Amount	SLBE Discount/Revised Bid Amount
Mack Jones Enterprises	\$2,285,925.00	None \$2,285,925.00
Metals & Materials Engineers	\$3,951,025.00	7.5% \$3,654,698.13
Roberts Hauling and Pipeline Construction	\$2,612,525.00	None \$2,612,525.00
The Corbett Group, LLC	Non-Responsive	Non-Responsive

CLAYTON COUNTY WATER AUTHORITY
Water Meter Installations Bid Tab
Wednesday, November 6, 2019

				Mack Jones Enterprises		Metals & Materials Engineers		Roberts Hauling and Pipeline Construction		The Corbett Group, LLC	
No.	Work Item	UOM	EST. QTY	Unit Cost	Extended Amount	Unit Cost	Extended Amount	Unit Cost	Extended Amount	Unit Cost	Extended Amount
1	Meters - short side 5/8" - 1"	EA	500	750.00	375,000.00	550.00	275,000.00	900.00	450,000.00	250.00	125,000.00
2	Meters - long side 5/8" - 1" requiring a bore up to 30'	EA	500	850.00	425,000.00	750.00	375,000.00	900.00	450,000.00	350.00	175,000.00
3	Meters - short side - 2 (meters on single 1" line)	EA	50	750.00	37,500.00	950.00	47,500.00	900.00	45,000.00	250.00	12,500.00
4	Meters - long side - 2 (meters on single 1" line requiring a bore up to 30')	EA	25	950.00	23,750.00	1,250.00	31,250.00	900.00	22,500.00	350.00	8,750.00
5	Meters - short side 1 1/2" - 2"	EA	25	1,500.00	37,500.00	750.00	18,750.00	2,000.00	50,000.00	250.00	6,250.00
6	Meters - long side 1 1/2" - 2"	EA	25	2,000.00	50,000.00	1,250.00	31,250.00	2,000.00	50,000.00	350.00	8,750.00
7	Premium for work requiring removal of asphalt roadway	LF	50	10.00	500.00	75.00	3,750.00	50.00	2,500.00	200.00	10,000.00
8	Premium for boring of roadways 31' - 60'	HR	500	175.00	87,500.00	55.00	27,500.00	100.00	50,000.00	150.00	75,000.00
9	Premium for boring of roadways 61' - 100' (per hour)	HR	10	475.00	4,750.00	55.00	550.00	100.00	1,000.00	150.00	1,500.00
10	Service lines renewed - 3/4" and 1" short side	EA	25	250.00	6,250.00	550.00	13,750.00	1,000.00	25,000.00	250.00	6,250.00

1 1	Service lines renewed - ¾" and 1" long side	E A	25	600. 00	15,000. 00	750. 00	18,750. 00	1,00 0.00	25,000. 00	350.0 0	8,750.0 0
1 2	Service lines renewed - 1 ½" – 2" short side	E A	10	700. 00	7,000.0 0	750. 00	7,500.0 0	1,50 0.00	15,000. 00	250.0 0	2,500.0 0
1 3	Service lines renewed - 1 ½" – 2" long side (30' or less)	E A	10	1,00 0.00	10,000. 00	1,25 0.00	12,500. 00	1,50 0.00	15,000. 00	500.0 0	5,000.0 0
1 4	Relocation of 5/8" – 1" meters 10' or less	E A	10	35.0 0	350.00	350. 00	3,500.0 0	400. 00	4,000.0 0	500.0 0	5,000.0 0
1 5	Relocation of 1 ½" – 2" meters 10' or less	E A	5	35.0 0	175.00	375. 00	1,875.0 0	500. 00	2,500.0 0	600.0 0	3,000.0 0
1 6	Relocation of 5/8" – 1" meters 11' – 25'	E A	1	175. 00	175.00	450. 00	450.00	400. 00	400.00	1,000 .00	1,000.0 0
1 7	Relocation of 1 ½" – 2" meters 11' – 25'	E A	1	175. 00	175.00	750. 00	750.00	500. 00	500.00	1,000 .00	1,000.0 0
1 8	Relocation of various water appurtenances – per hour	H R	10	475. 00	4,750.0 0	195. 00	1,950.0 0	500. 00	5,000.0 0	500.0 0	5,000.0 0
1 9	Asphalt/concrete sawing <6" – per lineal foot:	L F	10 0	30.0 0	3,000.0 0	10.0 0	1,000.0 0	10.0 0	1,000.0 0	6.00	600.00
2 0	Asphalt/concrete sawing >6" – per lineal foot:	L F	50	30.0 0	1,500.0 0	12.0 0	600.00	10.0 0	500.00	6.00	300.00
2 1	Placement of steel plates (per plate)	E A	10	10.0 0	100.00	350. 00	3,500.0 0	50.0 0	500.00	1,000 .00	10,000. 00
2 2	D.O.T. flagging (per site)	E A	10	100. 00	1,000.0 0	350. 00	3,500.0 0	200. 00	2,000.0 0	1,000 .00	10,000. 00
2 3	Replacement of in-line ¾" water meter	E A	10	100. 00	1,000.0 0	75.0 0	750.00	75.0 0	750.00	500.0 0	5,000.0 0
2 4	Replacement of in-line 1" water meter	E A	5	100. 00	500.00	105. 00	525.00	75.0 0	375.00	500.0 0	2,500.0 0
2 5	Replacement of in-line 1 ½" water meter	E A	5	100. 00	500.00	115. 00	575.00	300. 00	1,500.0 0	500.0 0	2,500.0 0
2 6	Replacement of in-line 2" water meter	E A	5	100. 00	500.00	550. 00	2,750.0 0	500. 00	2,500.0 0	650.0 0	3,250.0 0
2 7	Replacement of in-line 3" water meter	E A	5	100. 00	500.00	950. 00	4,750.0 0	3,00 0.00	15,000. 00	1,000 .00	5,000.0 0
2 8	Replacement of in-line 4" water meter	E A	5	100. 00	500.00	2,50 0.00	12,500. 00	3,00 0.00	15,000. 00	1,000 .00	5,000.0 0
2 9	Replacement of in-line 6" water meter	E A	5	100. 00	500.00	4,50 0.00	22,500. 00	4,00 0.00	20,000. 00	2,500 .00	12,500. 00
3 0	Replacement of in-line 8" water meter	E A	5	100. 00	500.00	9,50 0.00	47,500. 00	4,00 0.00	20,000. 00	3,500 .00	17,500. 00
3 1	Replacement of in-line 10" water meter	E A	1	100. 00	100.00	15,0 00.0 0	15,000. 00	5,00 0.00	5,000.0 0	7,000 .00	7,000.0 0

3 2	Replacement of in-line 12" water meter	E A	1	100. 00	100.00	15,0 00.0 0	15,000. 00	5,00 0.00	5,000.0 0	8,000 .00	8,000.0 0
3 3	Testing of Backflow prevention devises	E A	50 0	125. 00	62,500. 00	105. 00	52,500. 00	200. 00	100,00 0.00	250.0 0	125,00 0.00
3 4	6" water main extension	L F	10 ,0 00	20.0 0	200,00 0.00	85.0 0	850,00 0.00	30.0 0	300,00 0.00	40.00	400,00 0.00
3 5	8" water main extension	L F	5, 00 0	22.0 0	110,00 0.00	95.0 0	475,00 0.00	30.0 0	150,00 0.00	50.00	250,00 0.00
3 6	12" water main extension	L F	10 00	24.0 0	24,000. 00	105. 00	105,00 0.00	30.0 0	30,000. 00	60.00	60,000. 00
3 7	Connect Fitting	E A	10 00	450. 00	450,00 0.00	300. 00	300,00 0.00	200. 00	200,00 0.00	150.0 0	150,00 0.00
3 8	Replacement of 1 ½" water meter and backflow assembly to include the building of these assemblies	E A	25	250. 00	6,250.0 0	4,50 0.00	112,50 0.00	800. 00	20,000. 00	500.0 0	12,500. 00
3 9	Replacement of 2" water meter and backflow assembly to include the building of these assemblies	E A	50	250. 00	12,500. 00	5,50 0.00	275,00 0.00	800. 00	40,000. 00	500.0 0	25,000. 00
4 0	Replacement of 1 ½" water meter vault, water meter, and backflow assembly to include the building of these assemblies	E A	10	2,00 0.00	20,000. 00	3,20 0.00	32,000. 00	1,50 0.00	15,000. 00	650.0 0	6,500.0 0
4 1	Replacement of 2" water meter vault, water meter, and backflow assembly to include the building of these assemblies	E A	10	2,50 0.00	25,000. 00	6,20 0.00	62,000. 00	1,50 0.00	15,000. 00	650.0 0	6,500.0 0
4 2	Replacement of 3" water meter vault, water meter, and backflow assembly to include the building of these assemblies	E A	10	3,00 0.00	30,000. 00	6,50 0.00	65,000. 00	5,00 0.00	50,000. 00	1,000 .00	10,000. 00
4 3	Replacement of 4" water meter vault, water meter, and backflow assembly to include the building of these assemblies	E A	10	4,00 0.00	40,000. 00	6,80 0.00	68,000. 00	5,00 0.00	50,000. 00	2,000 .00	20,000. 00
4 4	Replacement of 6" water meter vault, water meter, and backflow assembly to include the building of these assemblies	E A	20	7,00 0.00	140,00 0.00	7,20 0.00	144,00 0.00	6,00 0.00	120,00 0.00	5,000 .00	100,00 0.00
4 5	Replacement of 8" water meter vault, water meter, and backflow assembly to	E A	10	5,00 0.00	50,000. 00	9,80 0.00	98,000. 00	6,00 0.00	60,000. 00	6,000 .00	60,000. 00

	include the building of these assemblies										
4 6	Replacement of 10" water meter vault, water meter, and backflow assembly to include the building of these assemblies	E A	10	1,00 0.00	10,000. 00	15,5 00.0 0	155,00 0.00	8,00 0.00	80,000. 00	8,000 .00	80,000. 00
4 7	Replacement of 12" water meter vault, water meter, and backflow assembly to include the building of these assemblies	E A	10	1,00 0.00	10,000. 00	15,5 00.0 0	155,00 0.00	8,00 0.00	80,000. 00	9,000 .00	90,000. 00
TOTAL BID AMOUNT					\$ 2,285, 925.00		\$ 3,951, 025.00		\$ 2,612, 525.00		\$ 1,944, 900.00

Recommendation:

CCWA staff recommended awarding the bid to Mack Jones Enterprises based upon the unit pricing provided. This Contractor will be assigned new meters to be installed and or replacing old meters and backflows ranging in size from 5/8" to 12".

UPON MOTION by Marie Barber and second by Vivian Baldwin, it was unanimously

RESOLVED to award the Water Meter Installations and Service Renewals Bid to Mack Jones Enterprises based upon the unit pricing provided with an option to renew for a second and third year with the same terms and conditions, contingent upon approval of bonds and insurance as required and to authorize the General Manager to sign the contract.

Watershed Protection Plan 2019 Update: Stormwater Director Kevin Osbey presented a recommendation on the Watershed Protection Plan 2019 Update.

In 2001, the Clayton County Water Authority (CCWA) developed a Watershed Assessment and Management Plan (WAMP). This plan was developed in collaboration with Fayette County Water System, Henry County, and the City of Stockbridge. The WAMP fulfilled the requirements of the Georgia Environmental Protection Division (GaEPD) that allow water withdrawals and effluent discharges from water reclamation facilities (WRF's) that operate under the National Pollutant Discharge Elimination System (NPDES).

Throughout the years, the Metropolitan North Georgia Water Planning District (MNGWPD) has developed and updated a variety of plans meant to bring consistency to watershed protection measures for the jurisdictions within the 15 counties around metro Atlanta. The initial plan was developed in 2006 and updated in 2011 and 2017. In 2015, GaEPD established guidelines for the development and updates of Watershed Protection Plans (WPP's).

CCWA's original WAMP included four components meant to establish stream integrity and create strategies for protecting and improving streams throughout Clayton County. These components included: Public Involvement, Watershed Characterization, Watershed Modeling, and a Watershed Management Plan (WMP).

The 2019 CCWA WPP update uses the original 2001 WMP information but meets the latest GaEPD guidelines to address changes throughout the County. The 2019 WPP consists of the following:

- Introduction, Background and Regulatory Drivers
- Legal Authority for Watershed Protection Activities
- Watershed Assessments and Monitoring
- Structural and Non-Structural Best Management Practices (BMP's)
- Updated Long Term Monitoring Plan
- Information on Funding and Funding Sources
- BMP Implementation Schedule
- Annual Reporting, Formal Adoption, Plan Updates and References

With the development of the original WMP, CCWA has reported activities and monitoring to GaEPD annually. This will continue in the future.

As part of formal adoption of the 2019 WPP update, GaEPD requires evidence that CCWA's Board of Directors has adopted this plan and that the plan will be implemented.

Recommendation:

CCWA staff recommended the adoption of the 2019 Watershed Protection Plan Update.

UPON MOTION by Vivian Baldwin and second by Marie Barber, it was unanimously

RESOLVED to adopt the 2019 Watershed Protection Plan as presented.

West Jesters Creek Watershed Management Plan: Stormwater Director Kevin Osbey presented a recommendation on the West Jesters Creek Watershed Management Plan.

As part of Clayton County Water Authority's (CCWA) Watershed Management Plan (2001) and the recent update to that original plan (2019 Watershed Protection Plan), CCWA has committed to continuing to assess and improve watershed conditions throughout the county. As such, staff has selected the West Jesters Creek (WJC) Watershed for additional detailed investigations. West Jesters Creek Watershed has been delineated as the area south of Forest Parkway, north of Mt. Zion Road, East of Old Dixie Highway/Tara Boulevard, and west of Ash Street.

WJC Watershed sits between two watersheds that were previously studied; 1) Upper Flint Watershed (2010), and 2) East Jesters (Conine) Creek Watershed (2013). In an effort to

support the newly updated Watershed Protection Plan for Clayton County, this watershed was selected to complete the overall assessment of this grid. Although this segment is not currently identified on the state's 303(d) list for impaired streams, the segments on either side of this segment and directly downstream are listed.

The purpose of this Task Order is to provide engineering services to establish an updated baseline of potential stressor to the watershed such as water quality, erosion, and stream stability. The study area includes residential, commercial and industrial land uses and confluences with East Jesters Creek forming Jesters Creek, which flows to the Flint River.

The review of existing monitoring data and other datasets along with field investigations and stream walks will allow the Engineer to evaluate the watershed and prepare specific project recommendations for water quality and hydrologic improvements. The Engineer will use the data to develop watershed improvement concept designs and an overall Watershed Management Plan for the WJC watershed.

Recommendation:

CCWA staff recommended the approval of West Jesters Creek Watershed Management Plan Task Order HS-SW-19-03 with Hazen and Sawyer at a total cost of \$151,995.00.

UPON MOTION by Vivian Baldwin and second by Dr. Cephus Jackson, it was unanimously

RESOLVED to award West Jesters Creek Watershed Management Plan Task Order HS-SW-19-03 to Hazen and Sawyer for a not to exceed cost of \$151,995.00 and to authorize the General Manager to sign the Task Order.

Quarry Products – Picked Up Bid Recommendation: Stormwater Director Kevin Osbey presented a recommendation on the Quarry Products – Picked Up Bid.

On occasion, Clayton County Water Authority (CCWA) field construction crews have the need to pick up (purchase) quarry products for pipe replacement and other maintenance activities. In many cases, staff combines these tasks when taking old material to the landfills within Clayton County. At present, there are two companies that provides quarry products that are in Clayton County (Luck Stone and Vulcan Materials).

During the past contract period, CCWA used Luck Stone as the sole provider. This selection was made based on a procurement performed by Clayton County Government. Luck Stone was the only vendor to provide quarry pricing. In August 2019, Clayton County Government executed an annual contract for Stone Material Supplies (ITB #19-140) with Luck Stone. That executed contract was for a variety of quarry products on a unit price basis.

Quarry Products - Picked Up

Clayton County Water Authority
December 5, 2019

Luck Stone DBA
Stephens Industries
2019 Unit Pricing

Item #	Primary Bid Items	CCWA		Unit Price	Extended Amount
		Estimated Quantity*	UOM		
1	Surge Stone	807	Tons	\$16.95	\$13,678.65
2	Rip Rap (Pit)		Tons	\$22.00	\$0.00
3	Rip Rap Type 1	13	Tons	\$21.00	\$273.00
4	Rip Rap Type 3	661	Tons	\$19.95	\$13,186.95
5	Graded Aggregated Material	1,767	Tons	\$11.45	\$20,232.15
6	Crushed Concrete Base	11	Tons	\$11.45	\$125.95
7	Crushed Stone Base (GAB)	20	Tons	\$10.45	\$209.00
8	#34 Stone (Entrance Material)	69	Tons	\$17.45	\$1,204.05
9	#4 Stone		Tons	N/A	
10	#5 Stone		Tons	\$17.95	\$0.00
11	#56 Stone		Tons	N/A	
12	#57 Stone	645	Tons	\$17.45	\$11,255.25
13	#6 Stone		Tons	\$18.45	\$0.00
14	#7 Stone		Tons	\$18.95	\$0.00
15	#89 Stone		Tons	\$18.45	\$0.00
16	M-10 Screenings		Tons	\$6.95	\$0.00
Total Estimated Annual Amount:					\$60,165.00

* Quantity Based on 2018-19 Usage

Recommendation:

CCWA staff recommended awarding the bid to Luck Stone D/B/A Stephens Industries, LLC as the primary vendor based upon the unit pricing provided. Based on quantities purchased between November 1, 2018 to October 31, 2019 and these contract prices, Staff expects an annual overall cost of \$60,000. This award is contingent upon the bidder(s) meeting risk management requirements

UPON MOTION by John Westervelt and second by Marie Barber, it was unanimously

RESOLVED to award the Quarry Products – Picked Up Bid to Luck Stone D/B/A Stephens Industries, LLC based upon the unit pricing provided with an option to renew for a second and third year with the same terms and conditions, contingent upon approval of bonds and insurance as required and to authorize the General Manager to sign the contract.

Updates from the Board Members and General Manager

UPON MOTION by John Westervelt and second by Dr. Marie Barber, it was unanimously

RESOLVED to approve the transfer of \$310,000.00 from IVR Enhancements to the Customer Information System (CIS) Project, to approve the transfer of \$76,000.00 from the General Manager's Contingency Fund to the CIS Project, to approve the extension of the Whitlock Consulting contract for 12 months at a cost of \$10,750.00 per month plus travel expenses and to approve a change order for Yortech in the amount of \$59,610.00.

Bernard Franks provided an update on C.W. Matthews. Information only, no action taken.

John Chafin provided an update on the upcoming holiday celebration. Information only, no action taken.

Bernard Franks provided an update on the upcoming Clayton Nights event. Information only, no action taken.

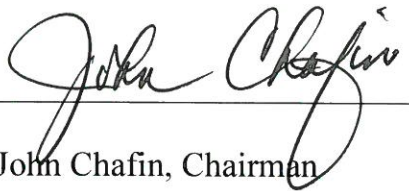
Bernard Franks provided an update on the 2020 AWWA ACE Conference. Information only, no action taken.

It was decided that the HR Committee will hold its first meeting in January 2020. Information only, no action taken.

Adjourn

UPON MOTION by Dr. Cephus Jackson and second by Rodney Givens, it was unanimously

RESOLVED to adjourn the Board Meeting at 4:02 p.m., there being no further business to come before the Board of Directors.



John Chafin, Chairman

Rodney Givens, Secretary/Treasurer