



# PROPOSED CHANGE ORDER REQUEST

*Department of Watershed Management*

Contract Name: ANNUAL WATER AND SEWER CONSTRUCTION Date: 2/5/2017

Contractor: The Renee Group, INC. / CamKen Consulting, INC., JV

Contract Number: 1068774 Contract Amendment Number: 1

Contract Amendment Category:  Cost  Schedule  Scope  Deliverables

Original Contract \$ Amount:	Contract Start Date:	Original Contract Time:	Original Contract End Date:
\$9,000,000.00	10/24/2017	365	10/31/2018

NTP Start Date:	Original Performance Days:	Original Performance End Date:
11/6/2017	365	10/31/2018

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:	0	\$0.00
Current Contract Amount:	Current Performance Time (Days):	Current Performance End Date:
\$9,000,000.00	365	10/31/2018

**Description of Proposed Changes:** Amendment/Change Order No. 1 is being proposed in order to provide a one-time funding to the Annual Water and Sewer for the **emergency** replacement of the 36-inch transmission main for the Glendale Waterline Replacement Project. This section of existing pipe on Glendale Drive from Columbia Drive to McAfee Road has had multiple failures over the years. The failures have caused multiple homes to be flooded and major roadway damage. The scope includes replacing approximately 5,800 LF of 36-inch pre-stressed concrete cylinder pipe (PCCP) water main with new 36-inch ductile iron pipe (DIP). Approximately, 1,150 LF of 8-inch water main installation is also included. In addition, all appurtenances including valves, hydrants, clearing, curb and pavement replacement. The amount of funds required for this additional scope of work is \$9,677,049.75.

**Justification of Proposed Changes:** The Glendale Waterline Replacement Project is scheduled to be replaced due to multiple and frequent failures. The total scope includes 19,500 LF of 36-inch transmission main from Candler Road to Memorial Drive. The 5,800 LF section of this change order is being expedited through the Annual Water and Sewer Construction Contract as an Emergency Procurement. The damage caused by the failures is catastrophic to the neighborhood and several homes have been flooded.

Proposals from all (4) Annual Water and Sewer Contractors were requested with the Renee Group providing the lowest quote. The scope of work will require one year to complete after start of construction with an estimated completion date of March 30, 2019. The contractor is currently working on multiple critical task orders such as 1) Sherlock Drive AC Replacement - \$791,779, 2) Norris Reserve force main re-route est. \$3,000,000, 3) Four creek crossings - \$250,000, 4) Mt. Industrial CCTV - \$64,000, 5) Williamsburg Way AC Replacement - \$2,400,000 and 6) Clifton Church Road AC Replacement - \$1,900,000 for a total of \$8,405,779 committed scope.

<b>Proposed Additional Performance Days:</b>	<b>Proposed Cumulative Performance Days:</b>	<b>Proposed Performance End Date:</b>	<b>Proposed Contract End Date:</b>
0	365	10/31/2018	10/31/2018
<b>Proposed Changes to Dollar Amount:</b>	<b>Proposed Cumulative Contract Amount:</b>		<b>Amount Spent To Date:</b>
\$9,677,049.75	\$18,677,049.75		\$0.00

**Describe Any Risk Associated With This Change:** Traffic will be impacted locally around the construction zone and more significantly at 3 major intersections. Blasting may be involved. The right of way has significant tree canopy that will need to be removed.

**Effect of NOT Approving This Change:** The portion of the 36-inch transmission main that is out of service needs to be returned to service as soon as possible for optimal water distribution and storage tank filling. The existing 36-inch PCCP line needs to be replaced to limit the risk of additional breaks and flooding homes in the future.

**Deputy Director's Approval:**

- Accepted
- Rejected

Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

Date: \_\_\_\_\_

*[Handwritten Signature]*  
Margaret E. Tanner  
2/7/2018

**Watershed Director's Approval:**

- Accepted
- Rejected

Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

Date: \_\_\_\_\_

*[Handwritten Signature]*  
Scott A. Towler  
2/9/2018

*Deputy*

**Chief Operating Officer's Approval:**

- Accepted
- Rejected

Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

Date: \_\_\_\_\_

*[Handwritten Signature]*  
Tel Rhinert  
2/12/18

Contract Name: ANNUAL WATER AND SEWER CONSTRUCTION

Contractor: The Renee Group, INC. / CamKen Consulting, INC., JV

Contract Number: 1068774

Contract Amendment Number: 1

ITEM NO.	DESCRIPTION	UNIT	APPROX QTY.	Renee Group		GS Construction		Layne		SD&C	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
1	Mobilization & Demobilization (to include Multivista Construction Photos and Documentation for Pre and Post Videos and Photos, project signs)	LS	1	\$ 17,500.00	\$17,500.00	\$291,000.00	\$291,000.00	\$392,663.00	\$392,663.00	\$65,000.00	\$65,000.00
2	36-inch DIP Water Line (0-10ft Depth) includes restrained joint at fittings and valves	LF	993	\$ 400.00	\$397,200.00	\$500.00	\$496,500.00	\$944.00	\$937,392.00	\$972.00	\$965,196.00
3	36-inch DIP Water Line (10-12ft Depth) includes restrained joint at fittings and valves	LF	706	\$ 420.00	\$296,520.00	\$525.00	\$370,650.00	\$1,005.00	\$709,530.00	\$1,045.00	\$737,770.00
4	36-inch DIP Water Line (12-14ft Depth) includes restrained joint at fittings and valves	LF	2105	\$ 445.00	\$936,725.00	\$550.00	\$1,157,750.00	\$1,066.00	\$2,243,930.00	\$1,088.00	\$2,290,240.00
5	36-inch DIP Water Line (14-16ft Depth) includes restrained joint at fittings and valves	LF	1,553	\$ 470.00	\$729,910.00	\$600.00	\$931,800.00	\$1,127.00	\$1,750,231.00	\$1,156.00	\$1,795,268.00
6	36-inch DIP Water Line (16-18ft Depth) includes restrained joint at fittings and valves	LF	650	\$ 495.00	\$321,750.00	\$600.00	\$390,000.00	\$1,127.00	\$732,550.00	\$1,210.00	\$786,500.00
7	36-inch DIP Water Line (18-20ft Depth) includes restrained joint at fittings and valves	LF	515	\$ 520.00	\$267,800.00	\$600.00	\$309,000.00	\$1,188.00	\$611,220.00	\$1,210.00	\$623,650.00
8	36-inch RJP DIP Carrier Pipe in Casing	LF	42	\$ 705.00	\$29,610.00	\$600.00	\$25,200.00	\$847.00	\$35,574.00	\$610.00	\$25,620.00
9	54-inch Steel Casing Pipe, Bored, Guaranteed	LF	42	\$ 1,250.00	\$52,500.00	\$8,000.00	\$336,000.00	\$3,530.00	\$148,260.00	\$3,599.00	\$151,158.00
10	Tie-in connection to existing 36 and 24" PCCP See Attachment A.	EA	2	\$ 186,106.00	\$372,212.00	\$75,000.00	\$150,000.00	\$86,748.00	\$173,496.00	\$10,858.00	\$21,716.00
11	Fittings	LB	79,500	\$ 10.50	\$834,750.00	\$0.25	\$19,875.00	\$6.75	\$536,625.00	\$7.50	\$596,250.00
12	8-inch Pipe, DIP Water Line includes restrained joint at fittings and valves	LF	1,147	\$ 45.75	\$52,475.25	\$90.00	\$103,230.00	\$355.00	\$407,185.00	\$172.00	\$197,284.00
13	12-inch Pipe, DIP Water Line includes restrained joint at fittings and valves	LF	22	\$ 32.50	\$715.00	\$150.00	\$3,300.00	\$446.00	\$9,812.00	\$205.00	\$4,510.00
14	8-inch Transition Coupling	EA	1	\$ 325.00	\$325.00	\$650.00	\$650.00	\$1,175.00	\$1,175.00	\$4,392.00	\$4,392.00
15	12-inch x8-inch Tapping Sleeve and Valve	EA	1	\$ 4,975.00	\$4,975.00	\$10,000.00	\$10,000.00	\$10,921.00	\$10,921.00	\$7,300.00	\$7,300.00
16	8-inch x8-inch Tapping Sleeve and Valve	EA	1	\$ 3,750.00	\$3,750.00	\$9,000.00	\$9,000.00	\$7,960.00	\$7,960.00	\$6,091.00	\$6,091.00
17	36-inch Gate Valve w/bypass	EA	6	\$ 52,000.00	\$312,000.00	\$67,500.00	\$405,000.00	\$52,653.00	\$315,918.00	\$60,993.00	\$365,958.00
18	8-inch Gate Valve	EA	3	\$ 3,200.00	\$9,600.00	\$1,200.00	\$3,600.00	\$2,565.00	\$7,695.00	\$2,562.00	\$7,686.00
19	12-inch Gate Valve	EA	1	\$ 3,625.00	\$3,625.00	\$3,000.00	\$3,000.00	\$3,898.00	\$3,898.00	\$4,148.00	\$4,148.00
20	Blow-off	EA	3	\$ 18,975.00	\$56,925.00	\$12,000.00	\$36,000.00	\$20,101.00	\$60,303.00	\$10,250.00	\$30,750.00
21	Fire Hydrants	EA	4	\$1,250.00	\$5,000.00	\$5,500.00	\$22,000.00	\$6,426.00	\$25,704.00	\$4,820.00	\$19,280.00
22	6" Air Vacuum Relief Valve	EA	3	\$35,248.00	\$105,744.00	\$25,000.00	\$75,000.00	\$20,897.00	\$62,691.00	\$12,050.00	\$36,150.00
23	Silt Fence	LF	6,898	\$7.75	\$53,459.50	\$5.00	\$34,490.00	\$6.00	\$41,388.00	\$6.50	\$44,837.00
24	Granite Curbing Replacement	LF	4,574	\$35.50	\$162,377.00	\$85.00	\$388,790.00	\$85.00	\$388,790.00	\$84.50	\$386,503.00
25	Sidewalk	SY	859	\$32.75	\$28,132.25	\$55.00	\$47,245.00	\$98.00	\$84,182.00	\$91.50	\$78,598.50
26	Asphalt Pavement	SY	18,822	\$23.75	\$447,022.50	\$35.00	\$658,770.00	\$22.00	\$414,084.00	\$98.00	\$1,844,556.00
27	Fence Replacement	LF	1,043	\$19.50	\$20,338.50	\$25.00	\$26,075.00	\$37.00	\$38,591.00	\$41.50	\$43,284.50
28	Concrete Driveway Replacement	SY	1,031	\$41.25	\$42,528.75	\$60.00	\$61,860.00	\$134.00	\$138,154.00	\$104.00	\$107,224.00
29	Asphalt Driveway Replacement	SY	50	\$45.00	\$2,250.00	\$40.00	\$2,000.00	\$146.00	\$7,300.00	\$98.00	\$4,900.00
30	Flowable Fill	CY	2500	\$195.00	\$487,500.00	\$225.00	\$562,500.00	\$200.00	\$500,000.00	\$335.50	\$838,750.00
31	Connection Detail 5, Sheet 02C-41	EA	1	\$120,320.00	\$120,320.00	\$70,000.00	\$70,000.00	\$65,985.00	\$65,985.00	\$17,812.00	\$17,812.00
32	Connection Detail 6, Sheet 02C-41	EA	3	\$100,315.00	\$300,945.00	\$15,000.00	\$45,000.00	\$18,800.00	\$56,400.00	\$17,812.00	\$53,436.00
33	Connection Detail 7, Sheet 02C-41	EA	1	\$36,750.00	\$36,750.00	\$15,000.00	\$15,000.00	\$20,358.00	\$20,358.00	\$17,812.00	\$17,812.00
34	Connection Detail 8, Sheet 02C-41	EA	1	\$39,560.00	\$39,560.00	\$17,500.00	\$17,500.00	\$17,141.00	\$17,141.00	\$17,812.00	\$17,812.00
35	Connection Detail 9, Sheet 02C-41	EA	1	\$70,310.00	\$70,310.00	\$45,000.00	\$45,000.00	\$35,075.00	\$35,075.00	\$17,812.00	\$17,812.00
36	Connection Detail 10, Sheet 02C-41	EA	1	\$6,945.00	\$6,945.00	\$15,000.00	\$15,000.00	\$13,346.00	\$13,346.00	\$17,812.00	\$17,812.00
37	Rock Excavation/Blasting	CY	4,850	\$310.00	\$1,503,500.00	\$75.00	\$363,750.00	\$112.50	\$545,625.00	\$310.00	\$1,503,500.00
38	Unsuitable materials replacement	CY	1,000	\$175.00	\$175,000.00	\$80.00	\$80,000.00	\$98.00	\$98,000.00	\$73.50	\$73,500.00
39	Subgrade Stabilization Stone	TN	500	\$125.00	\$62,500.00	\$55.00	\$27,500.00	\$67.00	\$33,500.00	\$60.50	\$30,250.00
40	Sediment and Erosion Control Measures	LS	1	\$60,000.00	\$60,000.00	\$75,000.00	\$75,000.00	\$106,053.00	\$106,053.00	\$61,000.00	\$61,000.00
41	Traffic Control	LS	1	\$35,000.00	\$35,000.00	\$690,000.00	\$690,000.00	\$595,225.00	\$595,225.00	\$244,000.00	\$244,000.00
42	Public Involvement - per Section 01 33 51	LS	1	\$110,000.00	\$110,000.00	\$50,000.00	\$50,000.00	\$109,710.00	\$109,710.00	\$83,000.00	\$83,000.00
43	Tree Removal	LS	1	\$75,000.00	\$75,000.00	\$250,000.00	\$250,000.00	\$195,040.00	\$195,040.00	\$171,000.00	\$171,000.00
44	Work Allowance (to include Trees, Materials and Water Line testing, power pole relocating and bracing, seismic testing, pre and post blast inspections, and Landscaping)	LS	1	\$1,000,000.00	\$1,000,000.00	\$1,000,000.00	\$1,000,000.00	\$1,000,000.00	\$1,000,000.00	\$1,000,000.00	\$1,000,000.00
					<b>\$9,677,649.75</b>		<b>\$9,704,035.00</b>		<b>\$13,748,680.00</b>		<b>\$15,459,316.00</b>