

 <p>CLAYTON COUNTY Water AUTHORITY</p> <p>1600 Battle Creek Road, Morrow, GA 30260</p>	Annual Contract for General Pipe Work	
	ADDENDUM NO. 2	
	DATE	Wednesday, July 29, 2020
	BID NUMBER	2020-SW-09
	BID OPENING DATE	Tuesday, August 4, 2020 at 2:00 pm
PRE-BID MEETING DATE	Tuesday, July 21, 2020 at 2:00 pm	
ADDENDUM MUST BE SIGNED AND INCLUDED IN YOUR RESPONSE TO THE RFB.		

BID DROP-OFF AND BID OPENING INSTRUCTIONS

GENERAL PIPE WORK

BID OPENING: AUGUST 4, 2020 AT 2:00 PM

Due to the current COVID-19 pandemic, the Clayton County Water Authority (CCWA) is currently closed for public bid openings; however, we are still working to serve our community, while following state and local mandates, as well as taking all necessary precautions to stay safe and healthy during this crisis. For this reason, CCWA has issued the following bid drop-off and bid opening instructions:

BID DROP-OFF for Bid Opening Day, August 4, 2020:

Sealed bids may be dropped off at our main office with the receptionist, located at 1600 Battle Creek Road, Morrow, GA 30260, on or before Tuesday, August 4, 2020 at 2:00 pm (local time). Any and all bids received after this date and time will be considered unresponsive.

Masks are strictly enforced. Therefore, you must wear a mask if you will be dropping off your sealed bid at our main office with the receptionist.

As an option you may also drop your bid package off at CCWA, Building B, located at 7340 Southlake Parkway, Morrow, GA 30260 (Building B-Warehouse which is on same campus as the main office). See attached map. When using this location please keep in mind to press the gate call button to allow entrance. Do not follow the car in front of you to get through the gate, as the gate closes after each car. The gate call button looks like follows:



Once you hit the call button, please respond to the CCWA warehouse staff member with your name, company name and that you are dropping off your bid. CCWA staff will activate the gate to open and you can proceed to the Building B - Warehouse to hand your bid submittal package to a CCWA warehouse staff member.

Masks are strictly enforced. Therefore, you must wear a mask if you will be dropping off your sealed bid at our Building B Warehouse.

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BID OPENING on August 4, 2020 at 2:00 pm local time:

Due to the social distancing from the COVID-19 pandemic, CCWA will hold the bid opening in our board room, via virtual conference call, if you wish to participate please do so by using the following call-in instructions below:

[Join Microsoft Teams Meeting](#)

[+1 912-483-5368](tel:+19124835368)

Conference ID: 310 644 568#

Please note this bid will be evaluated based on a selected work items list. The selected work items list will be emailed to vendors on our vendor list on bid opening day. If you would like to obtain a copy of this list please send an email to ccwa_procurement@ccwa.us by Tuesday, August 4, 2020 at 12:00 pm.

Preliminary bid results will be posted in CCWA’s website within 48 hours post bid opening and can be provided upon requests sent to the ccwa_procurement@ccwa.us email address.

CCWA appreciates your cooperation to complete the process the best way possible during this critical period.

Should you have any questions or require assistance on Tuesday, August 4, 2020 in dropping off your bid please call the following contact:

Ms. Jones – 770-302-1781



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REVISIONS

- 1. Replace the Intent and Purpose of the RFB documents with the revised Intent and Purpose provided with this Addendum. Revisions were made to page 1-2.1, Section 2 General Overview, 2.1 Intent and Purpose, revisions include replacing the annual value of work to be completed from “1 to 2 million dollars” to “2 to 3 million dollars.” Revisions are highlighted in yellow.**

QUESTIONS:

- 1. Will you please provide the bid tab for the previous bid?**

Answer:

Please find the bid tabulation for the 2017 General Pipe Work RFB on pages 5-18 of this addendum.

- 2. We would like to request the complete bid tabulations, to include all line items from all bidders for the previous time the Annual Contract for General Pipe Work was bid.**

Answer:

Please see question 1.

<i>Acknowledgment of receipt of this addendum must be signed and included in your bid response.</i>	
COMPANY NAME	
SIGNATURE	
DATE	

Division 1

General Information

Section 2: General Overview (Revised)

2.1 Intent and Purpose

The Clayton County Water Authority (CCWA) intends to contract for the annual services of an experienced licensed utility contractor to complete work in general on gravity-flow pipe systems larger than 24 inches in diameter and pressure-flow pipe systems larger than 8 inches in diameter.

CCWA is implementing a 10-year strategic master plan that has a large focus on replacement and renewal of our water, sewer, and stormwater pipelines. A substantial portion of the nearly \$14 million per year of planned work on these projects are executed through our annual service pipe contracts, including this contract. For annual services related pipe work, it has been our experience over the last several years that we have kept a continuous assignment of work to our annual pipe contractors. In fiscal years 2018 and 2019, \$3.38 million and \$4.09 million worth of water, sewer and stormwater projects were completed using this contract, respectively. CCWA anticipates that the annual value of work to be completed through this contract will be in the range of **2 to 3 million dollars.**

The CCWA reserves the right to award to a Primary Contractor, as well as Back-Up Contractor(s) to ensure that our requests under this annual contract can be performed as needed.

The work to be performed under this contract will be determined and assigned by CCWA on an “as-needed”, “when-needed” basis, and will be issued in the form of a Project Work Order. A Project Work Order may include a single work item or may include a number of work items.

CCWA does not guarantee any minimum or maximum work quantities under this contract and reserves the right to bid or procure by other means any similar type work of this contract as a separate procurement at its sole discretion.

Where a Project Work Order in an amount of \$100,000 or more, for work considered “Public Works” is issued as defined by O.C.G.A. § 36-91-2, Payment and Performance Bonds will be required prior to the commencement of that work.

The initial term of this contract will be for twelve (12) months. The contract may be extended for a second and third 12-month period by mutual written consent by both parties with no changes in the terms and conditions.

No.	Item No.	Work Item	Detail	Unit	CONSTRUCTION 57	DON HALL CONST	KIEWITT	SITE ENGINEERING
					Unit Cost	Unit Cost	Unit Cost	Unit Cost
1	C-MOB-00009	Mobilization	Lowboy Service	EA	1,000.00	500.00	4,881.70	17,500.00
2	C-MOB-00008	Mobilization	Emergency	EA	1,000.00	1,800.00	6,508.90	25,000.00
3	C-BND-00003	Performance and Payment Bonds	For Project Work Orders of \$100,000 to \$125,000	EA	3,000.00	1,800.00	3,550.70	5,000.00
4	C-BND-00004		For Each Additional \$25,000 Increase	EA	750.00	360.00	2,017.40	500.00
5	C-TC-00001	Traffic Control County Road	Lane Closures - Up to 4 hours / per day	EA	575.00	750.00	1,452.60	1,500.00
6	C-TC-00002		Lane Closures - Greater than 4 hours / per day	EA	950.00	950.00	1,452.60	1,700.00
7	C-TC-00004		Road Closure - Up to 4 hours / per day	EA	600.00	600.00	1,452.60	3,500.00
8	C-TC-00005		Road Closure - Greater than 4 hours / per day	EA	1,100.00	850.00	1,452.60	3,500.00
9	C-TC-00007	Traffic Control State Road	Lane Closures - Up to 4 hours / per day	EA	1,200.00	750.00	1,452.50	1,500.00
10	C-TC-00008		Lane Closures - Greater than 4 hours / per day	EA	1,200.00	950.00	1,452.50	1,700.00
11	C-TC-00010		Road Closure - Up to 4 hours / per day	EA	1,200.00	600.00	1,452.50	3,500.00
12	C-TC-00011		Road Closure - Greater than 4 hours / per day	EA	1,200.00	850.00	1,452.50	3,500.00
13	C-ESC-00001	Construction Exit		EA	500.00	500.00	807.00	1,500.00
14	C-ESC-00002	Sediment Barrier Installation	Silt Fence - Type A	LF	2.00	2.50	2.90	1.00
15	C-ESC-00004		Silt Fence - Type C	LF	3.75	3.50	3.20	3.00
16	C-ESC-00007		Hay Bale	LF	5.00	5.00	8.10	5.00
17	C-ESC-00009	Sediment Barrier Removal		LF	1.25	1.00	1.60	1.00
18	C-ESC-00010	Curb Inlet Sediment Trap		EA	125.00	100.00	242.10	100.00
19	C-ESC-00011	Soil Stabilization	Straw Mulching	SF	0.30	0.30	0.48	0.25
20	C-ESC-00012		Seed and Straw Mulch	SF	0.40	0.35	0.56	0.35
21	C-ESC-00013		Seed and Matt Blanket	SF	0.90	0.50	0.65	0.50
22	C-ESC-00014		Sod	SF	1.25	1.00	1.60	1.20
23	C-SW-00001	Hauling Material from Outside of County		HR	130.00	75.00	298.60	120.00
24	C-SWT-00010	Tree Removal	4 inch to 6 inch diameter	EA	300.00	350.00	726.30	600.00
25	C-SWT-00011		Greater than 6 inch to 12 inch diameter	EA	550.00	600.00	968.40	1,000.00
26	C-SWT-00012		Greater than 12 inch to 24 inch diameter	EA	1,500.00	1,600.00	3,550.70	2,000.00
27	C-SWT-00013		Greater than 24 inch to 36 inch diameter	EA	1,850.00	1,900.00	7,262.80	2,800.00
28	C-SWT-00030	Easement Clearing		SF	10.00	0.50	0.73	0.44
29	C-SWF-00001	Fence Work	Chain-Link / Wire Removal or Reinstall	LF	10.50	10.00	35.50	40.00
30	C-SWF-00003		Wood Removal or Reinstall	LF	18.00	18.00	64.60	45.00
31	C-SW-00003	General Excavation	Up to 6 feet deep	CF	0.95	1.00	2.00	2.00
32	C-SW-00004		Greater than 6 feet to 10 feet deep	CF	0.95	1.50	2.80	2.50
33	C-SW-00005		Greater than 10 feet to 14 feet deep	CF	0.95	1.50	4.00	3.00
34	C-SW-00006		Greater than 14 feet to 18 feet deep	CF	0.95	1.50	5.70	3.50
35	C-SW-00007	General Excavation	Rock	CF	3.00	3.50	9.70	10.00
36	C-SW-00008	General Fill / Backfill	Fill Dirt	CF	1.00	1.10	2.20	2.40
37	C-SW-00010		Sand	CF	1.10	1.20	3.70	3.50
38	C-SW-00011		Crushed Stone / Graded Aggregate Base	CF	1.20	1.30	4.00	2.75
39	C-SW-00013		#3, #4, #34, #5, #57 and #89 Stone	CF	1.30	1.40	5.00	2.85
40	C-SW-00014		Surge Stone	CF	1.30	1.50	7.60	2.75
41	C-SW-00015		Rip-Rap Stone Type III	CF	1.30	1.50	14.00	3.25
42	C-SW-00017	Stone Placement	6 inch thick layer	SF	1.30	1.50	21.80	2.80
43	C-SW-00018	Crushed Stone / Graded Aggregate Base	2 inch thick increment	SF	1.00	0.75	7.30	1.00
44	C-SW-00020	Stone Placement	6 inch thick layer	SF	1.30	1.50	21.80	2.80
45	C-SW-00021	#3, #4, #34, #5, #57 and #89 Stone	2 inch thick increment	SF	1.00	1.00	5.30	1.00

Clayton County Water Authority
Annual Contract for General Pipe Work
Bid Tabulation - Unit Pricing

June 2017

No.	Item No.	Work Item	Detail	Unit	CONSTRUCTION 57	DON HALL CONST	KIEWITT	SITE ENGINEERING
					Unit Cost	Unit Cost	Unit Cost	Unit Cost
46	C-SW-00028	Stone Placement	Surge Stone 6 inch thick layer	SF	1.50	1.50	21.80	3.25
47	C-SW-00029	Surge Stone	6 inch thick increment	SF	1.50	1.50	15.30	1.00
48	C-SW-00030	Stone Placement	Type III Rip-Rap Stone 12 inch thick layer	SF	2.50	1.80	15.90	6.00
49	C-SW-00031	Type III Rip-Rap	12 inch thick increment	SF	2.50	1.80	16.00	2.00
50	C-SW-00034	Stone Placement	Type 1 Rip-Rap	SF	2.50	3.00	25.80	7.80
51	C-SW-00035	Gabion Basket Installation		CF	7.50	10.00	18.60	15.00
52	C-SW-00036	Geotextile Fabric Installation		SF	0.90	0.90	5.30	0.65
53	C-SWAP-00001	Pavement – Remove Asphalt	Up to 4 inch thick layer	SF	4.50	2.50	2.30	1.50
54	C-SWAP-00004	Pavement – Remove Asphalt	Greater than 4 inch to 8 inch thick layer	SF	4.50	2.50	5.90	2.30
55	C-SWAP-00005	Pavement – Remove Asphalt	Greater than 8 inch to 12 inch thick layer	SF	8.50	4.00	12.90	4.40
56	C-SWAP-00008	Pavement – Remove Asphalt	Greater than 12 inch thick layer	SF	15.00	5.00	19.40	5.50
57	C-SW-00040	Pavement – Remove Concrete Flat Work	Up to 4 inch thick layer	SF	2.50	2.50	5.20	1.50
58	C-SW-00043	Pavement – Remove Concrete Flat Work	Greater than 4 inch to 8 inch thick layer	SF	3.75	3.00	8.70	2.30
59	C-SW-00044	Pavement – Remove Concrete Flat Work	Greater than 8 inch to 12 inch thick layer	SF	3.90	4.00	20.20	4.40
60	C-SW-00047	Pavement – Remove Concrete Flat Work	Greater than 12 inch thick layer	SF	4.50	6.00	24.20	5.50
61	C-SW-00056	Pavement – Remove Concrete Flat Work	Curb and Gutter	LF	2.00	5.00	5.30	11.00
62	C-SWAP-00017	Pavement – Milling	Up to 1500 SF	EA	6,000.00	5,900.00	13,718.50	5,000.00
63	C-SWAP-00018		Additional Square Footage	SF	6.00	4.00	6.30	1.25
64	C-SWAP-00019	Pavement – Asphalt Patching	3 inch thick layer	SF	7.00	7.00	24.20	5.50
65	C-SWAP-00020		1 inch thick increment	SF	3.00	2.30	8.10	2.00
66	C-SWAP-00021	Pavement – Asphalt Paving	3 inch thick layer	SF	7.00	6.00	16.10	5.50
67	C-SWAP-00022		1 inch thick increment	SF	3.00	2.00	5.40	2.00
68	C-CIP-00001		Up to 4 inch thick layer	SF	6.00	5.25	6.50	7.00
69	C-CIP-00002		Greater than 4 inch to 6 inch thick layer	SF	6.25	6.25	8.10	8.00
70	C-CIP-00003	Pavement – Concrete Flatwork	Greater than 6 inch to 8 inch thick layer	SF	7.25	7.50	15.30	9.00
71	C-CIP-00004		Greater than 8 inch to 10 inch thick layer	SF	10.00	8.50	17.50	10.00
72	C-CIP-00007		Wire Mesh	SF	1.35	1.20	1.30	1.00
73	C-CIP-00008		Steel Reinforcement	LF	1.35	5.50	2.00	6.00
74	C-CIP-00011	Pavement – Curb and Gutter Replacement	Up to 24 inch width, square back	LF	18.00	25.00	35.50	40.00
75	C-CIP-00012		Up to 24 inch width, roll back	LF	18.00	25.00	3.60	40.00
76	C-CIP-00013	Pavement – Catch Basin Spillway Throat		LF	100.00	100.00	161.40	180.00
77	C-CIP-00014	Pavement – Line Striping	Up to 6 inch wide	LF	2.00	5.50	1.60	3.00
78	C-CIP-00015		24 inch wide	LF	8.00	8.50	12.10	11.00
79	C-CIP-00016	Pavement – Marking	Handicap Symbol	EA	350.00	150.00	564.90	750.00
80	C-CIP-00017	Pavement – Pressure Washing		SF	0.75	0.50	0.81	2.00
81	C-SWPU-00002	Pumping 4-inch Pump	Single Pump System	DY	875.00	875.00	2,582.30	2,800.00
82	C-SWPU-00003		Redundant Pump System	DY	1,050.00	975.00	2,905.10	350.00
83	C-SWPU-00008	Pumping 6-inch Pump	Single Pump System	DY	1,200.00	1,200.00	2,985.80	3,800.00
84	C-SWPU-00009		Redundant Pump System	DY	1,350.00	1,400.00	3,308.60	500.00
85	C-SWPU-00014	Pumping 8-inch Pump	Single Pump System	DY	1,750.00	1,750.00	3,550.70	6,000.00
86	C-SWPU-00015		Redundant Pump System	DY	2,000.00	1,950.00	3,873.50	700.00
87	C-SWPU-00020	Pumping 10-inch Pump	Single Pump System	DY	3,200.00	3,200.00	4,357.70	7,000.00
88	C-SWPU-00021		Redundant Pump System	DY	3,300.00	3,300.00	6,133.00	1,000.00
89	C-SWPU-00026	Pumping 12-inch Pump	Single Pump System	DY	4,000.00	4,000.00	6,778.60	8,000.00
90	C-SWPU-00027		Redundant Pump System	DY	4,200.00	4,200.00	7,746.90	1,400.00
91	C-PRR-00001	Pipe Installation - Open Cut	Installation / Replacement	EA	500.00	500.00	807.00	1,100.00
92	C-PRR-00002	Copper (Type "K") Up to 1-inch	Additional Footage	LF	12.00	20.00	19.40	45.00

Clayton County Water Authority
Annual Contract for General Pipe Work
Bid Tabulation - Unit Pricing

June 2017

No.	Item No.	Work Item	Detail	Unit	CONSTRUCTION 57	DON HALL CONST	KIEWITT	SITE ENGINEERING
					Unit Cost	Unit Cost	Unit Cost	Unit Cost
93	C-PRR-00003	Pipe Installation - augered	Installation / Replacement	EA	900.00	900.00	1,452.60	1,500.00
94	C-PRR-00004	Copper (Type "K") Up to 1-inch	Additional Footage	LF	18.00	20.00	32.30	45.00
95	C-PRR-00005		Up to 6 feet deep	LF	20.00	20.00	16.10	70.00
96	C-PRR-00006	Pipe Installation - Open Cut	Greater than 6 feet to 10 feet deep	LF	20.00	30.00	24.20	80.00
97	C-PRR-00007	Copper (Type "L") 1-1/2 to 2-inch	Greater than 10 feet deep	LF	20.00	50.00	32.30	90.00
98	C-PRR-00008		Up to 6 feet deep	LF	50.00	20.00	38.70	110.00
99	C-PRR-00009	Pipe Installation - augered	Greater than 6 feet to 10 feet deep	LF	50.00	30.00	48.40	120.00
100	C-PRR-00010	Copper (Type "L") 1-1/2 to 2-inch	Greater than 10 feet deep	LF	50.00	50.00	64.60	130.00
101	C-PRR-00011		Point Repair, up to 6 feet deep	EA	3,000.00	2,500.00	4,034.90	12,980.00
102	C-PRR-00012		Point Repair, greater than 6 feet to 10 feet deep	EA	3,200.00	3,000.00	5,164.60	16,520.00
103	C-PRR-00013		Point Repair, greater than 10 feet to 14 feet deep	EA	7,500.00	5,000.00	6,778.60	18,880.00
104	C-PRR-00014	Pipe Installation - Open Cut	Point Repair, greater than 14 feet to 18 feet deep	EA	10,000.00	6,000.00	9,360.90	23,600.00
105	C-PRR-00015	PVC up to 8-inch	Additional Footage, up to 6 feet deep	LF	35.00	25.00	38.70	113.00
106	C-PRR-00016		Additional Footage, greater than 6 feet to 10 feet deep	LF	38.00	30.00	61.30	136.00
107	C-PRR-00017		Additional Footage, greater than 10 feet to 14 feet deep	LF	40.00	45.00	74.20	176.00
108	C-PRR-00018		Additional Footage, greater than 14 feet to 18 feet deep	LF	85.00	65.00	106.50	202.00
109	C-PRR-00019		Point Repair, up to 6 feet deep	EA	3,500.00	2,500.00	40,348.70	14,300.00
110	C-PRR-00020		Point Repair, greater than 6 feet to 10 feet deep	EA	3,800.00	3,000.00	5,164.60	18,200.00
111	C-PRR-00021		Point Repair, greater than 10 feet to 14 feet deep	EA	9,000.00	5,000.00	7,262.80	20,800.00
112	C-PRR-00022	Pipe Installation - Open Cut	Point Repair, greater than 14 feet to 18 feet deep	EA	12,000.00	6,000.00	10,006.50	26,000.00
113	C-PRR-00023	PVC greater than 8-inch to 16-inch	Additional Footage, up to 6 feet deep	LF	40.00	30.00	54.90	137.00
114	C-PRR-00024		Additional Footage, greater than 6 feet to 10 feet deep	LF	45.00	35.00	71.00	160.00
115	C-PRR-00025		Additional Footage, greater than 10 feet to 14 feet deep	LF	48.00	45.00	90.40	200.00
116	C-PRR-00026		Additional Footage, greater than 14 feet to 18 feet deep	LF	90.00	65.00	119.40	226.00
117	C-PRR-00027		Point Repair, up to 6 feet deep	EA	3,500.00	3,000.00	4,034.90	22,200.00
118	C-PRR-00028		Point Repair, greater than 6 feet to 10 feet deep	EA	3,800.00	3,500.00	5,487.40	29,600.00
119	C-PRR-00029		Point Repair, greater than 10 feet to 14 feet deep	EA	9,000.00	5,500.00	7,585.50	31,080.00
120	C-PRR-00030		Point Repair, greater than 14 feet to 18 feet deep	EA	12,000.00	6,500.00	10,329.30	33,300.00
121	C-PRR-00031	Pipe Installation - Open Cut	Additional Footage, up to 6 feet deep	LF	40.00	35.00	61.30	161.00
122	C-PRR-00032	PVC greater than 16-inch to 24-inch	Additional Footage, greater than 6 feet to 10 feet deep	LF	45.00	40.00	77.50	184.00
123	C-PRR-00033		Additional Footage, greater than 10 feet to 14 feet deep	LF	48.00	50.00	96.80	224.00
124	C-PRR-00034		Additional Footage, greater than 14 feet to 18 feet deep	LF	90.00	70.00	125.90	250.00
125	C-PRR-00035		Point Repair, up to 6 feet deep	EA	5,000.00	3,000.00	4,841.80	23,400.00
126	C-PRR-00036		Point Repair, greater than 6 feet to 10 feet deep	EA	5,500.00	3,500.00	5,810.20	31,200.00
127	C-PRR-00037		Point Repair, greater than 10 feet to 14 feet deep	EA	10,000.00	5,500.00	7,585.50	32,760.00
128	C-PRR-00038		Point Repair, greater than 14 feet to 18 feet deep	EA	15,000.00	6,500.00	10,490.70	35,100.00
129	C-PRR-00039	Pipe Installation - Open Cut	Additional Footage, up to 6 feet deep	LF	55.00	40.00	61.30	125.00
130	C-PRR-00040	PVC greater than 24-inch to 36-inch	Additional Footage, greater than 6 feet to 10 feet deep	LF	60.00	50.00	77.50	148.00
131	C-PRR-00041		Additional Footage, greater than 10 feet to 14 feet deep	LF	75.00	60.00	96.80	188.00
132	C-PRR-00042		Additional Footage, greater than 14 feet to 18 feet deep	LF	100.00	80.00	125.90	214.00
133	C-PRR-00043		Point Repair, up to 6 feet deep	EA	3,000.00	2,500.00	4,196.30	12,980.00

No.	Item No.	Work Item	Detail	Unit	CONSTRUCTION 57	DON HALL CONST	KIEWITT	SITE ENGINEERING
					Unit Cost	Unit Cost	Unit Cost	Unit Cost
134	C-PRR-00044	Pipe Installation - Open Cut DI up to 8-inch	Point Repair, greater than 6 feet to 10 feet deep	EA	3,500.00	3,000.00	5,326.00	16,520.00
135	C-PRR-00045		Point Repair, greater than 10 feet to 14 feet deep	EA	3,900.00	5,000.00	6,940.00	18,880.00
136	C-PRR-00046		Point Repair, greater than 14 feet to 18 feet deep	EA	5,000.00	6,000.00	9,038.10	23,600.00
137	C-PRR-00047		Additional Footage, up to 6 feet deep	LF	30.00	25.00	38.70	113.00
138	C-PRR-00048		Additional Footage, greater than 6 feet to 10 feet deep	LF	40.00	30.00	58.10	136.00
139	C-PRR-00049		Additional Footage, greater than 10 feet to 14 feet deep	LF	70.00	45.00	77.50	176.00
140	C-PRR-00050		Additional Footage, greater than 14 feet to 18 feet deep	LF	120.00	65.00	96.80	202.00
141	C-PRR-00051	Pipe Installation - Open Cut DI greater than 8-inch to 16-inch	Point Repair, up to 6 feet deep	EA	3,200.00	2,500.00	4,519.00	14,300.00
142	C-PRR-00052		Point Repair, greater than 6 feet to 10 feet deep	EA	3,700.00	3,000.00	5,648.80	18,200.00
143	C-PRR-00053		Point Repair, greater than 10 feet to 14 feet deep	EA	4,100.00	5,000.00	7,101.40	20,800.00
144	C-PRR-00054		Point Repair, greater than 14 feet to 18 feet deep	EA	5,500.00	6,000.00	9,038.10	26,000.00
145	C-PRR-00055		Additional Footage, up to 6 feet deep	LF	35.00	30.00	38.70	137.00
146	C-PRR-00056		Additional Footage, greater than 6 feet to 10 feet deep	LF	45.00	35.00	58.10	160.00
147	C-PRR-00057		Additional Footage, greater than 10 feet to 14 feet deep	LF	75.00	45.00	77.50	200.00
148	C-PRR-00058		Additional Footage, greater than 14 feet to 18 feet deep	LF	125.00	65.00	96.80	226.00
149	C-PRR-00059	Pipe Installation - Open Cut DI greater than 16-inch to 24-inch	Point Repair, up to 6 feet deep	EA	3,500.00	3,000.00	4,519.00	22,200.00
150	C-PRR-00060		Point Repair, greater than 6 feet to 10 feet deep	EA	4,000.00	3,500.00	6,133.00	29,600.00
151	C-PRR-00061		Point Repair, greater than 10 feet to 14 feet deep	EA	4,500.00	5,500.00	8,069.70	31,080.00
152	C-PRR-00062		Point Repair, greater than 14 feet to 18 feet deep	EA	5,900.00	6,500.00	10,006.50	33,300.00
153	C-PRR-00063		Additional Footage, up to 6 feet deep	LF	55.00	35.00	42.00	161.00
154	C-PRR-00064		Additional Footage, greater than 6 feet to 10 feet deep	LF	90.00	40.00	61.30	184.00
155	C-PRR-00065		Additional Footage, greater than 10 feet to 14 feet deep	LF	150.00	50.00	80.70	224.00
156	C-PRR-00066		Additional Footage, greater than 14 feet to 18 feet deep	LF	175.00	70.00	100.10	250.00
157	C-PRR-00067	Pipe Installation - Open Cut DI greater than 24-inch to 36-inch	Point Repair, up to 6 feet deep	EA	5,000.00	3,000.00	4,841.80	23,400.00
158	C-PRR-00068		Point Repair, greater than 6 feet to 10 feet deep	EA	7,000.00	3,500.00	6,455.80	31,200.00
159	C-PRR-00069		Point Repair, greater than 10 feet to 14 feet deep	EA	8,500.00	5,500.00	8,069.70	32,760.00
160	C-PRR-00070		Point Repair, greater than 14 feet to 18 feet deep	EA	10,000.00	6,500.00	10,490.70	35,100.00
161	C-PRR-00071		Additional Footage, up to 6 feet deep	LF	100.00	40.00	48.40	125.00
162	C-PRR-00072		Additional Footage, greater than 6 feet to 10 feet deep	LF	100.00	50.00	67.80	148.00
163	C-PRR-00073		Additional Footage, greater than 10 feet to 14 feet deep	LF	100.00	60.00	87.20	188.00
164	C-PRR-00074		Additional Footage, greater than 14 feet to 18 feet deep	LF	100.00	80.00	106.50	214.00
165	C-PRR-00075	Pipe Installation - Open Cut DI greater than 36-inch to 48-inch	Point Repair, up to 6 feet deep	EA	7,500.00	4,000.00	5,648.80	24,000.00
166	C-PRR-00076		Point Repair, greater than 6 feet to 10 feet deep	EA	8,500.00	5,000.00	7,262.80	32,000.00
167	C-PRR-00077		Point Repair, greater than 10 feet to 14 feet deep	EA	10,000.00	6,000.00	8,876.70	33,600.00
168	C-PRR-00078		Point Repair, greater than 14 feet to 18 feet deep	EA	12,500.00	7,000.00	10,490.70	36,000.00
169	C-PRR-00079		Additional Footage, up to 6 feet deep	LF	100.00	40.00	61.30	233.00
170	C-PRR-00080		Additional Footage, greater than 6 feet to 10 feet deep	LF	100.00	50.00	80.70	256.00
171	C-PRR-00081		Additional Footage, greater than 10 feet to 14 feet deep	LF	100.00	70.00	100.10	296.00
172	C-PRR-00082		Additional Footage, greater than 14 feet to 18 feet deep	LF	100.00	90.00	119.40	322.00
173	C-PRR-00083	Pipe Installation - Open Cut DI greater than 48-inch to 60-inch	Point Repair, up to 6 feet deep	EA	9,000.00	4,000.00	5,648.80	32,800.00
174	C-PRR-00084		Point Repair, greater than 6 feet to 10 feet deep	EA	12,000.00	5,000.00	7,262.80	41,000.00

No.	Item No.	Work Item	Detail	Unit	CONSTRUCTION 57	DON HALL CONST	KIEWITT	SITE ENGINEERING
					Unit Cost	Unit Cost	Unit Cost	Unit Cost
175	C-PRR-00085	Pipe Installation - Open Cut DI greater than 48-inch to 60-inch	Point Repair, greater than 10 feet to 14 feet deep	EA	13,500.00	6,000.00	9,038.10	49,200.00
176	C-PRR-00086		Point Repair, greater than 14 feet to 18 feet deep	EA	15,000.00	7,000.00	10,490.70	57,400.00
177	C-PRR-00087		Additional Footage, up to 6 feet deep	LF	100.00	40.00	71.00	269.00
178	C-PRR-00088		Additional Footage, greater than 6 feet to 10 feet deep	LF	100.00	50.00	96.80	292.00
179	C-PRR-00089		Additional Footage, greater than 10 feet to 14 feet deep	LF	100.00	70.00	122.70	332.00
180	C-PRR-00090		Additional Footage, greater than 14 feet to 18 feet deep	LF	100.00	90.00	148.50	358.00
181	C-PRR-00091	Pipe Installation - Open Cut RC up to 16-inch	Point Repair, up to 6 feet deep	EA	3,500.00	2,500.00	4,519.00	14,300.00
182	C-PRR-00092		Point Repair, greater than 6 feet to 10 feet deep	EA	3,800.00	3,000.00	5,487.40	18,200.00
183	C-PRR-00093		Point Repair, greater than 10 feet to 14 feet deep	EA	4,000.00	4,000.00	6,778.60	20,800.00
184	C-PRR-00094		Point Repair, greater than 14 feet to 18 feet deep	EA	4,800.00	5,000.00	8,715.30	26,000.00
185	C-PRR-00095		Additional Footage, up to 6 feet deep	LF	35.00	25.00	42.00	137.00
186	C-PRR-00096		Additional Footage, greater than 6 feet to 10 feet deep	LF	38.00	30.00	58.10	160.00
187	C-PRR-00097		Additional Footage, greater than 10 feet to 14 feet deep	LF	42.00	40.00	74.20	200.00
188	C-PRR-00098		Additional Footage, greater than 14 feet to 18 feet deep	LF	48.00	60.00	90.40	226.00
189	C-PRR-00115	Pipe Installation - Open Cut RC greater than 16-inch to 24-inch	Point Repair, up to 6 feet deep	EA	5,000.00	3,000.00	4,519.00	22,200.00
190	C-PRR-00116		Point Repair, greater than 6 feet to 10 feet deep	EA	5,200.00	3,500.00	5,487.40	29,600.00
191	C-PRR-00117		Point Repair, greater than 10 feet to 14 feet deep	EA	5,500.00	4,000.00	6,778.60	31,080.00
192	C-PRR-00118		Point Repair, greater than 14 feet to 18 feet deep	EA	5,750.00	5,000.00	8,392.50	33,300.00
193	C-PRR-00119		Additional Footage, up to 6 feet deep	LF	40.00	25.00	45.20	161.00
194	C-PRR-00120		Additional Footage, greater than 6 feet to 10 feet deep	LF	45.00	30.00	64.60	184.00
195	C-PRR-00121		Additional Footage, greater than 10 feet to 14 feet deep	LF	55.00	40.00	83.90	224.00
196	C-PRR-00122		Additional Footage, greater than 14 feet to 18 feet deep	LF	60.00	60.00	103.30	250.00
197	C-PRR-00131	Pipe Installation - Open Cut RC greater than 24-inch to 36-inch	Point Repair, up to 6 feet deep	EA	7,000.00	3,000.00	4,841.80	23,400.00
198	C-PRR-00132		Point Repair, greater than 6 feet to 10 feet deep	EA	7,500.00	3,500.00	6,133.00	31,200.00
199	C-PRR-00133		Point Repair, greater than 10 feet to 14 feet deep	EA	8,000.00	4,500.00	7,262.80	32,760.00
200	C-PRR-00134		Point Repair, greater than 14 feet to 18 feet deep	EA	8,500.00	5,500.00	9,038.10	35,100.00
201	C-PRR-00135		Additional Footage, up to 6 feet deep	LF	100.00	30.00	42.00	125.00
202	C-PRR-00136		Additional Footage, greater than 6 feet to 10 feet deep	LF	100.00	35.00	54.90	148.00
203	C-PRR-00137		Additional Footage, greater than 10 feet to 14 feet deep	LF	100.00	50.00	74.20	188.00
204	C-PRR-00138		Additional Footage, greater than 14 feet to 18 feet deep	LF	100.00	70.00	90.40	214.00
205	C-PRR-00147	Pipe Installation - Open Cut RC greater than 36-inch to 48-inch	Point Repair, up to 6 feet deep	EA	8,000.00	3,000.00	5,810.20	24,000.00
206	C-PRR-00148		Point Repair, greater than 6 feet to 10 feet deep	EA	8,500.00	3,500.00	7,101.40	32,000.00
207	C-PRR-00149		Point Repair, greater than 10 feet to 14 feet deep	EA	9,000.00	4,500.00	8,392.50	33,600.00
208	C-PRR-00150		Point Repair, greater than 14 feet to 18 feet deep	EA	9,500.00	5,500.00	10,490.70	36,000.00
209	C-PRR-00151		Additional Footage, up to 6 feet deep	LF	100.00	35.00	45.20	233.00
210	C-PRR-00152		Additional Footage, greater than 6 feet to 10 feet deep	LF	100.00	45.00	77.50	256.00
211	C-PRR-00153		Additional Footage, greater than 10 feet to 14 feet deep	LF	100.00	65.00	109.80	296.00
212	C-PRR-00154		Additional Footage, greater than 14 feet to 18 feet deep	LF	100.00	85.00	129.10	322.00
213	C-PRR-00163		Point Repair, up to 6 feet deep	EA	10,000.00	3,000.00	5,810.20	32,800.00
214	C-PRR-00164		Point Repair, greater than 6 feet to 10 feet deep	EA	11,500.00	3,500.00	7,101.40	41,000.00
215	C-PRR-00165		Point Repair, greater than 10 feet to 14 feet deep	EA	12,500.00	4,500.00	8,392.50	49,200.00

No.	Item No.	Work Item	Detail	Unit	CONSTRUCTION 57	DON HALL CONST	KIEWITT	SITE ENGINEERING
					Unit Cost	Unit Cost	Unit Cost	Unit Cost
216	C-PRR-00166	Pipe Installation - Open Cut RC greater than 48-inch to 60-inch	Point Repair, greater than 14 feet to 18 feet deep	EA	14,000.00	5,500.00	10,490.70	57,400.00
217	C-PRR-00167		Additional Footage, up to 6 feet deep	LF	100.00	55.00	80.70	269.00
218	C-PRR-00168		Additional Footage, greater than 6 feet to 10 feet deep	LF	100.00	65.00	96.80	292.00
219	C-PRR-00169		Additional Footage, greater than 10 feet to 14 feet deep	LF	100.00	75.00	113.00	332.00
220	C-PRR-00170		Additional Footage, greater than 14 feet to 18 feet deep	LF	100.00	85.00	129.10	358.00
221	C-PRR-00179	Pipe Installation - Open Cut RC greater than 60-inch to 72-inch	Point Repair, up to 10 feet deep	EA	20,000.00	3,500.00	8,715.30	42,000.00
222	C-PRR-00180		Point Repair, greater than 10 feet to 14 feet deep	EA	30,000.00	4,500.00	10,490.70	50,400.00
223	C-PRR-00181		Point Repair, greater than 14 feet to 18 feet deep	EA	35,000.00	5,500.00	11,297.60	58,800.00
224	C-PRR-00182		Additional Footage, up to 10 feet deep	LF	130.00	70.00	121.10	305.00
225	C-PRR-00183		Additional Footage, greater than 10 feet to 14 feet deep	LF	150.00	80.00	145.30	328.00
226	C-PRR-00184		Additional Footage, greater than 14 feet to 18 feet deep	LF	180.00	90.00	185.60	368.00
227	C-PRR-00193	Pipe Installation - Open Cut RC greater than 72-inch to 84-inch	Point Repair, up to 10 feet deep	EA	27,000.00	4,500.00	8,069.70	43,000.00
228	C-PRR-00194		Point Repair, greater than 10 feet to 14 feet deep	EA	35,000.00	5,500.00	10,490.70	51,600.00
229	C-PRR-00195		Point Repair, greater than 14 feet to 18 feet deep	EA	42,000.00	6,500.00	12,588.80	60,200.00
230	C-PRR-00196		Additional Footage, up to 10 feet deep	LF	150.00	70.00	145.30	341.00
231	C-PRR-00197		Additional Footage, greater than 10 feet to 14 feet deep	LF	160.00	90.00	169.50	364.00
232	C-PRR-00198		Additional Footage, greater than 14 feet to 18 feet deep	LF	200.00	110.00	193.70	404.00
233	C-PRR-00215	Pipe Installation - Open Cut RC greater than 84-inch to 96-inch	Point Repair, up to 10 feet deep	EA	30,000.00	5,000.00	10,490.70	45,000.00
234	C-PRR-00216		Point Repair, greater than 10 feet to 14 feet deep	EA	38,000.00	6,000.00	12,588.80	54,000.00
235	C-PRR-00217		Point Repair, greater than 14 feet to 18 feet deep	EA	46,000.00	7,000.00	14,525.50	63,000.00
236	C-PRR-00218		Additional Footage, up to 10 feet deep	LF	165.00	80.00	145.30	377.00
237	C-PRR-00219		Additional Footage, greater than 10 feet to 14 feet deep	LF	185.00	100.00	169.50	400.00
238	C-PRR-00220		Additional Footage, greater than 14 feet to 18 feet deep	LF	250.00	120.00	201.70	440.00
239	C-PRR-00237	Pipe Installation - Open Cut RC greater than 96-inch to 108-inch	Point Repair, up to 10 feet deep	EA	35,000.00	6,000.00	12,104.60	47,000.00
240	C-PRR-00238		Point Repair, greater than 10 feet to 14 feet deep	EA	45,000.00	7,000.00	14,202.70	56,000.00
241	C-PRR-00239		Point Repair, greater than 14 feet to 18 feet deep	EA	50,000.00	8,000.00	16,139.50	65,000.00
242	C-PRR-00240		Additional Footage, up to 10 feet deep	LF	200.00	90.00	201.70	460.00
243	C-PRR-00241		Additional Footage, greater than 10 feet to 14 feet deep	LF	250.00	110.00	250.20	483.00
244	C-PRR-00242		Additional Footage, greater than 14 feet to 18 feet deep	LF	290.00	130.00	306.70	533.00
245	C-PRR-00267	Pipe Installation - Open Cut HDPE up to 8-inch	Point Repair, up to 6 feet deep	EA	3,500.00	1,000.00	4,519.00	12,980.00
246	C-PRR-00268		Point Repair, greater than 6 feet to 10 feet deep	EA	3,500.00	1,500.00	5,164.60	16,520.00
247	C-PRR-00269		Point Repair, greater than 10 feet to 14 feet deep	EA	4,000.00	3,500.00	6,455.80	18,880.00
248	C-PRR-00270		Point Repair, greater than 14 feet to 18 feet deep	EA	4,750.00	4,500.00	7,746.90	23,600.00
249	C-PRR-00271		Additional Footage, up to 6 feet deep	LF	35.00	25.00	38.70	113.00
250	C-PRR-00272		Additional Footage, greater than 6 feet to 10 feet deep	LF	38.00	30.00	51.60	136.00
251	C-PRR-00273		Additional Footage, greater than 10 feet to 14 feet deep	LF	70.00	45.00	71.00	176.00
252	C-PRR-00274		Additional Footage, greater than 14 feet to 18 feet deep	LF	100.00	65.00	90.40	202.00
253	C-PRR-00275		Point Repair, up to 6 feet deep	EA	5,000.00	2,500.00	5,164.60	14,300.00
254	C-PRR-00276	Point Repair, greater than 6 feet to 10 feet deep	EA	5,750.00	3,000.00	6,455.80	18,200.00	
255	C-PRR-00277	Point Repair, greater than 10 feet to 14 feet deep	EA	6,750.00	4,500.00	6,778.60	20,800.00	
256	C-PRR-00278	Point Repair, greater than 14 feet to 18 feet deep	EA	7,250.00	5,500.00	7,746.90	26,000.00	

Clayton County Water Authority
Annual Contract for General Pipe Work
Bid Tabulation - Unit Pricing

June 2017

No.	Item No.	Work Item	Detail	Unit	CONSTRUCTION 57	DON HALL CONST	KIEWITT	SITE ENGINEERING	
					Unit Cost	Unit Cost	Unit Cost	Unit Cost	
257	C-PRR-00279	HDPE greater than 8-inch to 16-inch	Additional Footage, up to 6 feet deep	LF	40.00	30.00	45.20	137.00	
258	C-PRR-00280		Additional Footage, greater than 6 feet to 10 feet deep	LF	45.00	35.00	58.10	160.00	
259	C-PRR-00281		Additional Footage, greater than 10 feet to 14 feet deep	LF	85.00	45.00	77.50	200.00	
260	C-PRR-00282		Additional Footage, greater than 14 feet to 18 feet deep	LF	125.00	65.00	90.40	226.00	
261	C-PRR-00283	Pipe Installation - Open Cut HDPE greater than 16-inch to 24-inch	Point Repair, up to 6 feet deep	EA	7,000.00	2,500.00	5,164.60	22,200.00	
262	C-PRR-00284		Point Repair, greater than 6 feet to 10 feet deep	EA	7,500.00	3,500.00	6,133.00	29,600.00	
263	C-PRR-00285		Point Repair, greater than 10 feet to 14 feet deep	EA	8,750.00	4,500.00	7,424.20	31,080.00	
264	C-PRR-00286		Point Repair, greater than 14 feet to 18 feet deep	EA	9,250.00	5,500.00	8,392.50	33,300.00	
265	C-PRR-00287		Additional Footage, up to 6 feet deep	LF	45.00	35.00	45.20	161.00	
266	C-PRR-00288		Additional Footage, greater than 6 feet to 10 feet deep	LF	48.00	40.00	58.10	184.00	
267	C-PRR-00289		Additional Footage, greater than 10 feet to 14 feet deep	LF	90.00	50.00	77.50	224.00	
268	C-PRR-00290		Additional Footage, greater than 14 feet to 18 feet deep	LF	130.00	70.00	93.60	250.00	
269	C-PRR-00291		Pipe Installation - Open Cut HDPE greater than 24-inch to 36-inch	Point Repair, up to 6 feet deep	EA	7,500.00	3,000.00	5,164.60	23,400.00
270	C-PRR-00292			Point Repair, greater than 6 feet to 10 feet deep	EA	8,000.00	3,500.00	6,133.00	31,200.00
271	C-PRR-00293	Point Repair, greater than 10 feet to 14 feet deep		EA	9,000.00	4,500.00	7,424.20	32,760.00	
272	C-PRR-00294	Point Repair, greater than 14 feet to 18 feet deep		EA	9,500.00	5,500.00	8,392.50	35,100.00	
273	C-PRR-00295	Additional Footage, up to 6 feet deep		LF	48.00	35.00	45.20	125.00	
274	C-PRR-00296	Additional Footage, greater than 6 feet to 10 feet deep		LF	52.00	40.00	61.30	148.00	
275	C-PRR-00297	Additional Footage, greater than 10 feet to 14 feet deep		LF	95.00	55.00	93.60	188.00	
276	C-PRR-00298	Additional Footage, greater than 14 feet to 18 feet deep		LF	145.00	75.00	113.00	214.00	
277	C-PRR-00299	Pipe Installation - Open Cut HDPE greater than 36-inch to 48-inch		Point Repair, up to 6 feet deep	EA	8,000.00	3,000.00	6,133.00	24,000.00
278	C-PRR-00300			Point Repair, greater than 6 feet to 10 feet deep	EA	8,500.00	3,500.00	5,164.60	32,000.00
279	C-PRR-00301		Point Repair, greater than 10 feet to 14 feet deep	EA	9,500.00	4,500.00	7,746.90	33,600.00	
280	C-PRR-00302		Point Repair, greater than 14 feet to 18 feet deep	EA	10,500.00	5,500.00	9,038.10	36,000.00	
281	C-PRR-00303		Additional Footage, up to 6 feet deep	LF	55.00	40.00	64.60	233.00	
282	C-PRR-00304		Additional Footage, greater than 6 feet to 10 feet deep	LF	58.00	45.00	96.80	256.00	
283	C-PRR-00305		Additional Footage, greater than 10 feet to 14 feet deep	LF	105.00	65.00	129.10	296.00	
284	C-PRR-00306		Additional Footage, greater than 14 feet to 18 feet deep	LF	155.00	85.00	169.50	322.00	
285	C-PRR-00307		Pipe Installation - Open Cut HDPE greater than 48-inch to 60-inch	Point Repair, up to 6 feet deep	EA	9,000.00	3,500.00	5,164.60	32,800.00
286	C-PRR-00308			Point Repair, greater than 6 feet to 10 feet deep	EA	10,500.00	4,000.00	6,455.80	41,000.00
287	C-PRR-00309	Point Repair, greater than 10 feet to 14 feet deep		EA	11,500.00	5,000.00	7,746.90	49,200.00	
288	C-PRR-00310	Point Repair, greater than 14 feet to 18 feet deep		EA	15,000.00	7,000.00	9,683.70	57,400.00	
289	C-PRR-00311	Additional Footage, up to 6 feet deep		LF	100.00	55.00	72.60	269.00	
290	C-PRR-00312	Additional Footage, greater than 6 feet to 10 feet deep		LF	110.00	60.00	104.90	292.00	
291	C-PRR-00313	Additional Footage, greater than 10 feet to 14 feet deep		LF	125.00	70.00	153.30	332.00	
292	C-PRR-00314	Additional Footage, greater than 14 feet to 18 feet deep		LF	175.00	80.00	217.90	358.00	
293	C-PRR-00315	Pipe Installation - Open Cut CM up to 15-inch		Point Repair, up to 6 feet deep	EA	3,037.50	2,500.00	4,519.00	14,300.00
294	C-PRR-00316			Point Repair, greater than 6 feet to 10 feet deep	EA	3,500.00	3,000.00	5,487.40	18,200.00
295	C-PRR-00317		Point Repair, greater than 10 feet to 14 feet deep	EA	3,850.00	4,500.00	7,101.40	20,800.00	
296	C-PRR-00318		Point Repair, greater than 14 feet to 18 feet deep	EA	5,000.00	5,500.00	8,876.70	26,000.00	
297	C-PRR-00319		Additional Footage, up to 6 feet deep	LF	32.00	30.00	38.70	137.00	
298	C-PRR-00320		Additional Footage, greater than 6 feet to 10 feet deep	LF	40.00	35.00	51.60	160.00	
299	C-PRR-00321		Additional Footage, greater than 10 feet to 14 feet deep	LF	48.00	50.00	64.60	200.00	

No.	Item No.	Work Item	Detail	Unit	CONSTRUCTION 57	DON HALL CONST	KIEWITT	SITE ENGINEERING
					Unit Cost	Unit Cost	Unit Cost	Unit Cost
300	C-PRR-00322		Additional Footage, greater than 14 feet to 18 feet deep	LF	100.00	70.00	87.20	226.00
301	C-PRR-00339	Pipe Installation - Open Cut CM greater than 15-inch to 24-inch	Point Repair, up to 6 feet deep	EA	6,000.00	2,500.00	4,519.00	22,200.00
302	C-PRR-00340		Point Repair, greater than 6 feet to 10 feet deep	EA	6,200.00	3,500.00	5,487.40	29,600.00
303	C-PRR-00341		Point Repair, greater than 10 feet to 14 feet deep	EA	7,500.00	4,500.00	7,101.40	31,080.00
304	C-PRR-00342		Point Repair, greater than 14 feet to 18 feet deep	EA	9,500.00	5,500.00	8,876.70	33,300.00
305	C-PRR-00343		Additional Footage, up to 6 feet deep	LF	40.00	30.00	42.00	161.00
306	C-PRR-00344		Additional Footage, greater than 6 feet to 10 feet deep	LF	45.00	35.00	54.90	184.00
307	C-PRR-00345		Additional Footage, greater than 10 feet to 14 feet deep	LF	55.00	50.00	71.00	224.00
308	C-PRR-00346		Additional Footage, greater than 14 feet to 18 feet deep	LF	65.00	70.00	106.50	250.00
309	C-PRR-00355	Pipe Installation - Open Cut CM greater than 24-inch to 36-inch	Point Repair, up to 6 feet deep	EA	7,500.00	3,000.00	4,519.00	23,400.00
310	C-PRR-00356		Point Repair, greater than 6 feet to 10 feet deep	EA	9,500.00	3,500.00	5,487.40	31,200.00
311	C-PRR-00357		Point Repair, greater than 10 feet to 14 feet deep	EA	9,800.00	4,500.00	7,101.40	32,760.00
312	C-PRR-00358		Point Repair, greater than 14 feet to 18 feet deep	EA	11,000.00	5,500.00	8,876.70	35,100.00
313	C-PRR-00359		Additional Footage, up to 6 feet deep	LF	45.00	30.00	42.00	125.00
314	C-PRR-00360		Additional Footage, greater than 6 feet to 10 feet deep	LF	65.00	35.00	58.10	148.00
315	C-PRR-00361		Additional Footage, greater than 10 feet to 14 feet deep	LF	75.00	60.00	74.20	188.00
316	C-PRR-00362		Additional Footage, greater than 14 feet to 18 feet deep	LF	95.00	80.00	106.50	214.00
317	C-PRR-00371	Pipe Installation - Open Cut CM greater than 36-inch to 48-inch	Point Repair, up to 6 feet deep	EA	9,500.00	3,000.00	5,164.60	24,000.00
318	C-PRR-00372		Point Repair, greater than 6 feet to 10 feet deep	EA	13,000.00	3,500.00	6,455.80	32,000.00
319	C-PRR-00373		Point Repair, greater than 10 feet to 14 feet deep	EA	17,000.00	4,500.00	7,746.90	33,600.00
320	C-PRR-00374		Point Repair, greater than 14 feet to 18 feet deep	EA	21,000.00	5,500.00	9,683.70	36,000.00
321	C-PRR-00375		Additional Footage, up to 6 feet deep	LF	48.00	35.00	54.90	233.00
322	C-PRR-00376		Additional Footage, greater than 6 feet to 10 feet deep	LF	70.00	40.00	74.20	256.00
323	C-PRR-00377		Additional Footage, greater than 10 feet to 14 feet deep	LF	98.00	60.00	90.40	296.00
324	C-PRR-00378		Additional Footage, greater than 14 feet to 18 feet deep	LF	100.00	80.00	116.20	322.00
325	C-PRR-00387	Pipe Installation - Open Cut CM greater than 48-inch to 60-inch	Point Repair, up to 6 feet deep	EA	13,000.00	3,000.00	5,164.60	32,800.00
326	C-PRR-00388		Point Repair, greater than 6 feet to 10 feet deep	EA	17,000.00	3,500.00	6,455.80	41,000.00
327	C-PRR-00389		Point Repair, greater than 10 feet to 14 feet deep	EA	21,000.00	4,000.00	7,746.90	49,200.00
328	C-PRR-00390		Point Repair, greater than 14 feet to 18 feet deep	EA	27,000.00	4,500.00	9,360.90	57,400.00
329	C-PRR-00391		Additional Footage, up to 6 feet deep	LF	72.00	35.00	54.90	269.00
330	C-PRR-00392		Additional Footage, greater than 6 feet to 10 feet deep	LF	84.00	40.00	80.70	292.00
331	C-PRR-00393		Additional Footage, greater than 10 feet to 14 feet deep	LF	96.00	60.00	106.50	332.00
332	C-PRR-00394		Additional Footage, greater than 14 feet to 18 feet deep	LF	148.00	80.00	132.40	358.00
333	C-PRR-00403	Pipe Installation - Open Cut CM greater than 60-inch to 72-inch	Point Repair, up to 10 feet deep	EA	23,000.00	3,000.00	4,841.80	42,000.00
334	C-PRR-00404		Point Repair, greater than 10 feet to 14 feet deep	EA	27,000.00	3,500.00	6,455.80	50,400.00
335	C-PRR-00405		Point Repair, greater than 14 feet to 18 feet deep	EA	31,000.00	4,500.00	8,069.70	58,800.00
336	C-PRR-00406		Additional Footage, up to 10 feet deep	LF	100.00	40.00	72.60	305.00
337	C-PRR-00407		Additional Footage, greater than 10 feet to 14 feet deep	LF	110.00	60.00	104.90	328.00
338	C-PRR-00408		Additional Footage, greater than 14 feet to 18 feet deep	LF	140.00	80.00	145.30	368.00
339	C-PRR-00425		Point Repair, up to 10 feet deep	EA	27,000.00	3,500.00	6,455.80	43,000.00
340	C-PRR-00426		Point Repair, greater than 10 feet to 14 feet deep	EA	31,000.00	4,500.00	8,069.70	51,600.00
341	C-PRR-00427	Pipe Installation - Open Cut CM greater than 72-inch to 84-inch	Point Repair, greater than 14 feet to 18 feet deep	EA	35,000.00	5,500.00	9,683.70	60,200.00
342	C-PRR-00428		Additional Footage, up to 10 feet deep	LF	120.00	60.00	80.70	341.00

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343	C-PRR-00429		Additional Footage, greater than 10 feet to 14 feet deep	LF	130.00	70.00	129.10	364.00	
344	C-PRR-00430		Additional Footage, greater than 14 feet to 18 feet deep	LF	170.00	80.00	193.70	404.00	
345	C-PRR-00447		Point Repair, up to 10 feet deep	EA	30,000.00	3,500.00	8,069.70	45,000.00	
346	C-PRR-00448		Point Repair, greater than 10 feet to 14 feet deep	EA	34,000.00	4,500.00	9,683.70	54,000.00	
347	C-PRR-00449	Pipe Installation - Open Cut CM greater than 84-inch to 96-inch	Point Repair, greater than 14 feet to 18 feet deep	EA	38,000.00	5,500.00	11,297.60	63,000.00	
348	C-PRR-00450		Additional Footage, up to 10 feet deep	LF	140.00	60.00	96.80	377.00	
349	C-PRR-00451		Additional Footage, greater than 10 feet to 14 feet deep	LF	160.00	70.00	135.60	400.00	
350	C-PRR-00452		Additional Footage, greater than 14 feet to 18 feet deep	LF	200.00	80.00	185.60	440.00	
351	C-PRR-00485		Point Repair, up to 6 feet deep	EA	10,000.00	3,000.00	4,196.30	22,200.00	
352	C-PRR-00486		Point Repair, greater than 6 feet to 10 feet deep	EA	11,500.00	3,500.00	5,487.40	29,600.00	
353	C-PRR-00487	Pipe Installation - Open Cut FRPM 18-inch to 24-inch	Point Repair, greater than 10 feet to 14 feet deep	EA	12,500.00	4,500.00	6,778.60	31,080.00	
354	C-PRR-00488		Point Repair, greater than 14 feet to 18 feet deep	EA	15,000.00	5,500.00	8,069.70	33,300.00	
355	C-PRR-00489		Additional Footage, up to 6 feet deep	LF	170.00	35.00	45.20	161.00	
356	C-PRR-00490		Additional Footage, greater than 6 feet to 10 feet deep	LF	185.00	45.00	58.10	184.00	
357	C-PRR-00491		Additional Footage, greater than 10 feet to 14 feet deep	LF	200.00	65.00	77.50	224.00	
358	C-PRR-00492		Additional Footage, greater than 14 feet to 18 feet deep	LF	215.00	85.00	90.40	250.00	
359	C-PRR-00493		Point Repair, up to 6 feet deep	EA	15,000.00	3,500.00	4,519.00	23,400.00	
360	C-PRR-00494		Point Repair, greater than 6 feet to 10 feet deep	EA	17,500.00	4,000.00	6,133.00	31,200.00	
361	C-PRR-00495	Pipe Installation - Open Cut FRPM greater than 24-inch to 36-inch	Point Repair, greater than 10 feet to 14 feet deep	EA	19,000.00	5,000.00	7,746.90	32,760.00	
362	C-PRR-00496		Point Repair, greater than 14 feet to 18 feet deep	EA	25,000.00	6,000.00	9,360.90	35,100.00	
363	C-PRR-00497		Additional Footage, up to 6 feet deep	LF	200.00	40.00	45.20	125.00	
364	C-PRR-00498		Additional Footage, greater than 6 feet to 10 feet deep	LF	250.00	50.00	61.30	148.00	
365	C-PRR-00499		Additional Footage, greater than 10 feet to 14 feet deep	LF	300.00	70.00	80.70	188.00	
366	C-PRR-00500		Additional Footage, greater than 14 feet to 18 feet deep	LF	350.00	90.00	113.00	214.00	
367	C-PRR-00501		Point Repair, up to 6 feet deep	EA	18,000.00	4,000.00	4,841.80	24,000.00	
368	C-PRR-00502		Point Repair, greater than 6 feet to 10 feet deep	EA	22,500.00	4,500.00	6,455.80	32,000.00	
369	C-PRR-00503	Pipe Installation - Open Cut FRPM greater than 36-inch to 48-inch	Point Repair, greater than 10 feet to 14 feet deep	EA	25,000.00	5,500.00	8,069.70	33,600.00	
370	C-PRR-00504		Point Repair, greater than 14 feet to 18 feet deep	EA	30,000.00	6,500.00	9,683.70	36,000.00	
371	C-PRR-00505		Additional Footage, up to 6 feet deep	LF	250.00	45.00	56.50	233.00	
372	C-PRR-00506		Additional Footage, greater than 6 feet to 10 feet deep	LF	350.00	55.00	72.60	256.00	
373	C-PRR-00507		Additional Footage, greater than 10 feet to 14 feet deep	LF	400.00	75.00	88.80	296.00	
374	C-PRR-00508		Additional Footage, greater than 14 feet to 18 feet deep	LF	450.00	95.00	121.10	322.00	
375	C-PRR-00509		Point Repair, up to 6 feet deep	EA	25,000.00	4,500.00	6,455.80	32,800.00	
376	C-PRR-00510		Point Repair, greater than 6 feet to 10 feet deep	EA	30,000.00	5,000.00	8,069.70	41,000.00	
377	C-PRR-00511	Pipe Installation - Open Cut FRPM greater than 48-inch to 60-inch	Point Repair, greater than 10 feet to 14 feet deep	EA	35,000.00	6,000.00	9,683.70	49,200.00	
378	C-PRR-00512		Point Repair, greater than 14 feet to 18 feet deep	EA	40,000.00	7,000.00	11,297.60	57,400.00	
379	C-PRR-00513		Additional Footage, up to 6 feet deep	LF	300.00	50.00	64.60	269.00	
380	C-PRR-00514		Additional Footage, greater than 6 feet to 10 feet deep	LF	350.00	60.00	88.80	292.00	
381	C-PRR-00515		Additional Footage, greater than 10 feet to 14 feet deep	LF	450.00	80.00	113.00	332.00	
382	C-PRR-00516		Additional Footage, greater than 14 feet to 18 feet deep	LF	550.00	100.00	145.30	358.00	
383	C-LW-00001		Pipe Installation - Open Cut Steel Casing up to 18-inch	Up to 6 feet deep	LF	40.00	30.00	45.20	150.00
384	C-LW-00002			Greater than 6 feet to 10 feet deep	LF	45.00	35.00	61.30	170.00
385	C-LW-00003	Greater than 10 feet to 14 feet deep		LF	69.00	40.00	77.50	210.00	
386	C-LW-00004	Greater than 14 feet to 18 feet deep		LF	85.00	60.00	93.60	240.00	

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					Unit Cost	Unit Cost	Unit Cost	Unit Cost
387	C-LW-00005		Weld	EA	700.00	50.00	1,049.10	300.00
388	C-LW-00006		Up to 6 feet deep	LF	45.00	30.00	45.20	181.00
389	C-LW-00007		Greater than 6 feet to 10 feet deep	LF	55.00	35.00	61.30	204.00
390	C-LW-00008	Pipe Installation - Open Cut Steel Casing greater than 18-inch to 24-inch	Greater than 10 feet to 14 feet deep	LF	85.00	40.00	77.50	244.00
391	C-LW-00009		Greater than 14 feet to 18 feet deep	LF	90.00	60.00	100.10	270.00
392	C-LW-00010		Weld	EA	700.00	60.00	1,049.10	350.00
393	C-LW-00011		Up to 6 feet deep	LF	95.00	30.00	45.20	217.00
394	C-LW-00012		Greater than 6 feet to 10 feet deep	LF	100.00	40.00	61.30	240.00
395	C-LW-00013	Pipe Installation - Open Cut Steel Casing greater than 24-inch to 36-inch	Greater than 10 feet to 14 feet deep	LF	110.00	55.00	77.50	280.00
396	C-LW-00014		Greater than 14 feet to 18 feet deep	LF	120.00	75.00	100.10	306.00
397	C-LW-00015		Weld	EA	1,200.00	75.00	1,049.10	450.00
398	C-LW-00016		Up to 6 feet deep	LF	130.00	30.00	48.40	253.00
399	C-LW-00017		Greater than 6 feet to 10 feet deep	LF	140.00	40.00	71.00	276.00
400	C-LW-00018	Pipe Installation - Open Cut Steel Casing greater than 36-inch to 48-inch	Greater than 10 feet to 14 feet deep	LF	150.00	60.00	93.60	316.00
401	C-LW-00019		Greater than 14 feet to 18 feet deep	LF	160.00	80.00	121.10	342.00
402	C-LW-00020		Weld	EA	1,500.00	150.00	1,291.20	550.00
403	C-LW-00021		Non Steered	LF	1,500.00	130.00	201.70	325.00
404	C-LW-00022	Cased Bore 12"	Steered	LF	2,000.00	165.00	250.20	450.00
405	C-LW-00023		Rock Bore (Additional Per)	LF	5,000.00	450.00	798.90	700.00
406	C-LW-00026		Non Steered	LF	2,000.00	155.00	258.20	350.00
407	C-LW-00027	Cased Bore 18"	Steered	LF	4,000.00	170.00	306.70	450.00
408	C-LW-00028		Rock Bore (Additional Per)	LF	7,500.00	450.00	968.40	700.00
409	C-LW-00031		Non Steered	LF	5,500.00	180.00	379.30	475.00
410	C-LW-00032	Cased Bore 24"	Steered	LF	7,000.00	200.00	419.60	575.00
411	C-LW-00033		Rock Bore (Additional Per)	LF	10,000.00	450.00	1,089.40	700.00
412	C-LW-00041		Non Steered	LF	6,500.00	215.00	605.20	625.00
413	C-LW-00042	Cased Bore 36"	Steered	LF	8,500.00	250.00	661.70	675.00
414	C-LW-00043		Rock Bore (Additional Per)	LF	12,000.00	600.00	1,137.80	850.00
415	C-LW-00051		Non Steered	LF	9,000.00	450.00	798.90	735.00
416	C-LW-00052	Cased Bore 48"	Steered	LF	12,000.00	450.00	847.30	945.00
417	C-LW-00053		Rock Bore (Additional Per)	LF	15,000.00	700.00	1,178.20	950.00
418	C-LW-00056		Up to 6 feet deep	VF	3,000.00	200.00	161.40	600.00
419	C-LW-00057	Bore Entry Pit	Greater than 6 feet deep to 12 feet deep	VF	3,800.00	220.00	322.80	600.00
420	C-LW-00059		Greater than 12 feet deep to 18 feet deep	VF	5,000.00	250.00	685.90	600.00
421	C-LW-00061		Greater than 18 feet deep	VF	7,000.00	625.00	968.40	600.00
422	C-LW-00063		Up to 6 feet deep	VF	3,000.00	200.00	153.30	300.00
423	C-LW-00064	Bore Receiving Pit	Greater than 6 feet deep to 12 feet deep	VF	3,800.00	220.00	314.70	300.00
424	C-LW-00066		Greater than 12 feet deep to 18 feet deep	VF	5,000.00	250.00	677.90	300.00
425	C-LW-00068		Greater than 18 feet deep	VF	7,000.00	625.00	968.40	300.00
426	C-LW-00073	Pipe Insertion into Steel Casing PVC up to 8-inch		LF	18.00	20.00	24.20	113.00
427	C-LW-00074	Pipe Insertion into Steel Casing PVC greater than 8-inch to 16-inch		LF	20.00	20.00	32.30	137.00
428	C-LW-00075	Pipe Insertion into Steel Casing PVC greater than 16-inch to 24-inch		LF	29.00	30.00	36.30	161.00
429	C-LW-00076	Pipe Insertion into Steel Casing DI up to 8-inch		LF	20.00	20.00	28.20	113.00
430	C-LW-00077	Pipe Insertion into Steel Casing DI greater than 8-inch to 16-inch		LF	24.00	25.00	36.30	137.00

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431	C-LW-00078	Pipe Insertion into Steel Casing DI greater than 16-inch to 24-inch		LF	30.00	30.00	44.40	161.00
432	C-LW-00079	Pipe Insertion into Steel Casing DI greater than 24-inch to 36-inch		LF	40.00	40.00	73.40	197.00
433	C-LW-00087	Polyethylene Pipe Encasement	For Pipe up to 16-inch	LF	15.00	5.00	14.50	3.00
434	C-LW-00088		For Pipe greater than 16-inch to 24-inch	LF	15.00	6.00	14.50	4.00
435	C-LW-00089		For Pipe greater than 24-inch to 36-inch	LF	15.00	7.00	14.50	5.00
436	C-LW-00090		For Pipe greater than 36-inch to 48-inch	LF	15.00	8.00	14.50	6.00
437	C-LW-00091	Direct Tap Into Pipe Up to 1-inch Direct Tap into DI of Varying Sizes	Up to 6 feet deep	EA	850.00	600.00	968.40	1,100.00
438	C-LW-00092		Greater than 6 feet to 10 feet deep	EA	1,000.00	700.00	1,129.80	1,250.00
439	C-LW-00093		Greater than 10 feet to 14 feet deep	EA	1,500.00	1,000.00	1,613.90	1,440.00
440	C-LW-00094		Greater than 14 feet to 18 feet deep	EA	2,250.00	1,500.00	2,420.90	1,550.00
441	C-LW-00095	Core Into Pipe	Up to 2-inch core into pipe	EA	800.00	700.00	1,129.80	1,500.00
442	C-LW-00096		Greater than 2-inch to 6-inch core into pipe	EA	900.00	800.00	1,291.20	1,700.00
443	C-LW-00097		8-inch core into pipe	EA	1,000.00	900.00	1,452.50	2,000.00
444	C-LW-00098		10-inch core into pipe	EA	1,200.00	1,000.00	1,613.90	3,000.00
445	C-LW-00099		12-inch core into pipe	EA	3,000.00	1,200.00	1,936.70	3,500.00
446	C-LW-00100		16-inch core into pipe	EA	5,000.00	3,000.00	4,841.80	4,000.00
447	C-LW-00101		18-inch core into pipe	EA	6,000.00	5,000.00	8,069.70	6,000.00
448	C-LW-00102		20-inch core into pipe	EA	6,500.00	6,000.00	9,683.70	7,500.00
449	C-LW-00103	24-inch core into pipe	EA	7,000.00	7,000.00	11,297.60	9,500.00	
450	C-LW-00104	Connect Fitting / Valve to Pipe Brass / Bronze Fitting / Valve up to 2-inch		EA	700.00	200.00	484.20	1,500.00
451	C-LW-00105	Connect Fitting / Valve to Pipe PVC Fitting / Valve up to 8-inch		EA	850.00	300.00	1,210.50	3,000.00
452	C-LW-00106	Connect Fitting / Valve to Pipe PVC Fitting / Valve Greater than 8-inch to 16-inch		EA	950.00	500.00	1,936.70	4,000.00
453	C-LW-00107	Connect Fitting / Valve to Pipe PVC Fitting / Valve Greater than 16-inch to 24-inch		EA	2,500.00	700.00	3,227.90	4,300.00
454	C-LW-00108	Connect Fitting / Valve to Pipe DI Fitting / Valve up to 8-inch		EA	1,500.00	300.00	1,533.30	3,000.00
455	C-LW-00109	Connect Fitting / Valve to Pipe DI Fitting / Valve Greater than 8-inch to 16-inch		EA	1,850.00	500.00	2,259.50	4,000.00
456	C-LW-00110	Connect Fitting / Valve to Pipe DI Fitting / Valve Greater than 16-inch to 24-inch		EA	2,000.00	800.00	2,905.10	4,300.00
457	C-LW-00111	Connect Fitting / Valve to Pipe DI Fitting / Valve Greater than 24-inch to 36-inch		EA	3,000.00	1,000.00	3,550.70	6,500.00
458	C-LW-00112	Connect Fitting / Valve to Pipe DI Fitting / Valve Greater than 36-inch to 48-inch		EA	5,000.00	1,500.00	5,164.60	9,000.00
459	C-LW-00113	Fire Hydrant Installation	Up to 5-foot Bury Depth	EA	2,800.00	400.00	1,049.10	2,000.00
460	C-LW-00114		Greater than 5-foot Bury Depth	EA	3,000.00	600.00	1,452.50	2,500.00
461	C-LW-00115		Post Hydrant	EA	3,000.00	400.00	2,017.40	2,000.00
462	C-LW-00116	Fire Hydrant (Existing) Vertical Adjustment		VF	350.00	200.00	807.00	350.00
463	C-LW-00117	Fire Hydrant Removal	Up to 5-foot Bury Depth	EA	800.00	400.00	807.00	400.00
464	C-LW-00118		Greater than 5-foot Bury Depth	EA	1,200.00	600.00	1,210.50	700.00
465	C-LW-00119		Post Hydrant	EA	1,500.00	400.00	2,017.40	400.00

No.	Item No.	Work Item	Detail	Unit	CONSTRUCTION 57	DON HALL CONST	KIEWITT	SITE ENGINEERING
					Unit Cost	Unit Cost	Unit Cost	Unit Cost
466	C-LW-00120	Air / Vacuum Release Valve Installation		EA	3,000.00	1,200.00	1,936.70	2,500.00
467	C-CIP-00018	Concrete Thrust Restraint	Tie-Back	EA	1,500.00	700.00	443.80	1,000.00
468	C-CIP-00019		Block for Pipe up to 16-inch	EA	1,000.00	500.00	1,412.20	2,000.00
469	C-CIP-00021		Block for Pipe greater than 16-inch to 24-inch	EA	1,800.00	700.00	1,573.60	3,500.00
470	C-CIP-00022		Block for Pipe greater than 24-inch to 36-inch	EA	3,000.00	900.00	2,420.90	4,500.00
471	C-CIP-00024	Pipe Collar		CF	900.00	40.00	573.00	20.00
472	C-PC-00001	Flared End Section Installation	For Pipe up to 16-inch	EA	1,500.00	300.00	322.80	800.00
473	C-PC-00002		For Pipe greater than 16-inch to 24-inch	EA	1,800.00	400.00	645.60	1,500.00
474	C-PC-00003		For Pipe greater than 24-inch to 36-inch	EA	2,500.00	500.00	968.40	1,500.00
475	C-PC-00004		For Pipe greater than 36-inch to 48-inch	EA	4,000.00	600.00	1,694.60	2,100.00
476	C-PC-00005	Precast Headwall Installation Headwall Installation	For Pipe up to 16 Inch	EA	1,800.00	600.00	322.80	1,500.00
477	C-PC-00006		For Pipe greater than 16 Inch to 24 Inch	EA	2,400.00	600.00	484.20	1,500.00
478	C-PC-00007		For Pipe greater than 24 Inch to 36 Inch	EA	3,000.00	700.00	645.60	2,000.00
479	C-PC-00008		For Pipe greater than 36 Inch to 48 Inch	EA	4,500.00	700.00	807.00	2,000.00
480	C-PC-00009		For Pipe greater than 48 Inch to 60 Inch	EA	5,800.00	800.00	1,210.50	3,500.00
481	C-PC-00010		For Pipe greater than 60 Inch to 72 Inch	EA	7,000.00	800.00	1,291.20	4,000.00
482	C-PC-00013	For Pipe greater than 72 Inch to 84 Inch	EA	8,200.00	900.00	1,452.50	9,000.00	
483	C-PC-00016	For Pipe greater than 84 Inch to 96 Inch	EA	9,500.00	1,000.00	1,936.70	14,000.00	
484	C-PC-00024	Precast Manhole Installation 4-Foot Diameter	Base Slab	EA	850.00	500.00	387.40	1,000.00
485	C-PC-00025		Riser	VF	600.00	100.00	169.50	300.00
486	C-PC-00032	Precast Manhole Installation 5-Foot Diameter	Base Slab	EA	2,000.00	600.00	726.30	1,500.00
487	C-PC-00033		Riser	VF	650.00	120.00	403.50	350.00
488	C-PC-00040	Precast Manhole Installation 6-Foot Diameter	Base Slab	EA	2,200.00	700.00	887.70	3,000.00
489	C-PC-00041		Riser	VF	700.00	130.00	468.10	450.00
490	C-PC-00045	Precast Manhole Installation 7-Foot Diameter	Base Slab	EA	2,500.00	1,000.00	1,008.70	5,000.00
491	C-PC-00046		Riser	VF	1,000.00	150.00	556.80	500.00
492	C-PC-00050	Precast Manhole Installation 8-Foot Diameter	Base Slab	EA	3,500.00	2,000.00	1,210.50	7,500.00
493	C-PC-00051		Riser	VF	2,000.00	200.00	685.90	550.00
494	C-PC-00052	Precast Manhole Installation 9-Foot Diameter	Base Slab	EA	7,200.00	3,000.00	1,452.50	15,000.00
495	C-PC-00053		Riser	VF	2,000.00	250.00	807.00	700.00
496	C-PC-00054	Precast Manhole Installation 10-Foot Diameter	Base Slab	EA	8,000.00	4,000.00	2,017.40	17,000.00
497	C-PC-00055		Riser	VF	2,000.00	300.00	887.70	800.00
498	C-PC-00058	Precast Box / Vault Installation Up to 5-Foot by 5-Foot	Base Slab	EA	3,200.00	600.00	2,905.10	5,000.00
499	C-PC-00059		Riser	VF	200.00	120.00	242.10	1,000.00
500	C-PC-00062	Precast Box / Vault Installation Greater than 5-Foot by 5-Foot to 8-Foot by 8-Foot	Base Slab	EA	4,500.00	2,000.00	3,066.50	10,000.00
501	C-PC-00063		Riser	VF	250.00	200.00	242.10	1,500.00
502	C-PC-00066	Precast Box / Vault Installation 8-Foot by 12-Foot	Base Slab	EA	5,500.00	3,000.00	4,034.90	12,000.00
503	C-PC-00067		Riser	VF	350.00	250.00	322.80	1,660.00
504	C-PC-00070	Precast Box / Vault Installation 8-Foot by 16-Foot	Base Slab	EA	6,500.00	4,000.00	4,841.80	20,000.00
505	C-PC-00071		Riser	VF	500.00	300.00	322.80	3,000.00
506	C-CIP-00067	Manhole Invert Construction	Cast-in-Place Concrete	EA	500.00	450.00	605.20	600.00
507	C-CIP-00068	4-Foot Diameter Manhole	Brick and Mortar	EA	600.00	450.00	766.60	600.00

No.	Item No.	Work Item	Detail	Unit	CONSTRUCTION 57	DON HALL CONST	KIEWITT	SITE ENGINEERING
					Unit Cost	Unit Cost	Unit Cost	Unit Cost
508	C-CIP-00069	Manhole Invert Construction	Cast-in-Place Concrete	EA	675.00	550.00	766.60	800.00
509	C-CIP-00070	5-Foot Diameter Manhole	Brick and Mortar	EA	675.00	550.00	887.70	800.00
510	C-CIP-00071	Manhole Invert Construction	Cast-in-Place Concrete	EA	800.00	650.00	887.70	1,500.00
511	C-CIP-00072	6-Foot Diameter Manhole	Brick and Mortar	EA	1,100.00	650.00	1,129.80	1,500.00
512	C-CIP-00073	Manhole Invert Construction	Cast-in-Place Concrete	EA	1,500.00	800.00	1,089.40	1,700.00
513	C-CIP-00074	7-Foot Diameter Manhole	Brick and Mortar	EA	1,800.00	800.00	1,371.90	1,700.00
514	C-CIP-00075	Manhole Invert Construction	Cast-in-Place Concrete	EA	2,500.00	850.00	1,210.50	1,900.00
515	C-CIP-00076	8-Foot Diameter Manhole	Brick and Mortar	EA	3,200.00	850.00	1,573.60	1,900.00
516	C-CIP-00077	Manhole Invert Construction	Cast-in-Place Concrete	EA	3,000.00	900.00	1,412.20	2,000.00
517	C-CIP-00078	9-Foot Diameter Manhole	Brick and Mortar	EA	3,500.00	900.00	1,694.60	2,000.00
518	C-CIP-00079	Manhole Invert Construction	Cast-in-Place Concrete	EA	4,500.00	1,000.00	1,613.90	3,500.00
519	C-CIP-00080	10-Foot Diameter Manhole	Brick and Mortar	EA	5,500.00	1,000.00	2,017.40	3,500.00
520	C-CIP-00081	Other Invert Construction	Cast-in-Place Concrete	SF	25.00	30.00	1,936.80	30.00
521	C-CIP-00082		Brick and Mortar	SF	20.00	30.00	2,420.90	37.00
522	C-CIP-00083	Ring and Cover Installation	Installation	EA	1,800.00	100.00	403.50	650.00
523	C-CIP-00084		Additional Height, Per Brick Layer	EA	1,000.00	100.00	484.20	500.00
524	C-PC-00072	Precast Catch Basin Spillway Installation		EA	1,200.00	500.00	1,049.10	2,000.00
525	C-PC-00073	Precast Catch Basin Top Slab Installation		EA	1,200.00	500.00	1,412.20	2,000.00
526	C-SW-00065	Concrete Core	Up to 4-inch diameter core	EA	600.00	400.00	484.20	3,000.00
527	C-SW-00066		Greater than 4-inch to 12-inch diameter core	EA	700.00	450.00	564.90	3,500.00
528	C-SW-00067		Greater than 12-inch to 18-inch diameter core	EA	800.00	500.00	645.60	4,000.00
529	C-SW-00068		Greater than 18-inch to 24-inch diameter core	EA	1,500.00	550.00	726.30	4,500.00
530	C-CIP-00085	Brick Work	1 Brick Deep Wall Construction	SF	20.00	45.00	80.70	25.00
531	C-CIP-00086		2 Brick Deep Wall Construction	SF	40.00	70.00	121.10	50.00
532	C-CIP-00087		3 Brick Deep Wall Construction	SF	60.00	95.00	161.40	75.00
533	C-CIP-00088		4 Brick Deep Wall Construction	SF	80.00	120.00	201.70	125.00
534	C-CIP-00089	Concrete Work	Bulk	CY	500.00	400.00	645.60	700.00
535	C-CIP-00090		Form Work	SF	4.00	3.50	5.70	15.00
536	C-CIP-00091		Steel Reinforcement	LF	4.00	6.50	10.50	6.00
537	C-CIP-00095	Cementitious Grouting	Grout Mixed by Hand	CF	30.00	30.00	242.10	50.00
538	C-CIP-00096		Grout Mixed by Plant	CY	450.00	400.00	968.40	430.00
539	C-CIP-00097		Pump Mobilization	EA	4,000.00	2,500.00	3,631.40	2,500.00
540	C-CIP-00099	Chemical Grouting	Grout	GAL	3,000.00	200.00	403.50	300.00
541	C-CIP-00100		Pump Mobilization	EA	3,000.00	2,500.00	2,420.90	5,000.00
542	C-TST-00001	Pressure Testing	Low Pressure Air	EA	675.00	500.00	1,089.40	2,800.00
543	C-TST-00003		Hydrostatic	EA	875.00	500.00	1,291.20	3,500.00
544	C-TST-00005		Static Water Level	EA	900.00	500.00	726.30	1,800.00
545	C-TST-00007	Pipe Disinfection		GAL	1,000.00	40.00	928.00	150.00
546	C-HRLY-00001	Hourly Labor	Superintendent	HR	100.00	35.00	72.60	125.00
547	C-HRLY-00002		Foreman	HR	85.00	25.00	56.50	100.00
548	C-HRLY-00003		Operator	HR	35.00	25.00	45.20	85.00
549	C-HRLY-00004		Pipe Layer	HR	30.00	20.00	37.10	75.00
550	C-HRLY-00005		Laborer	HR	18.00	18.00	29.10	50.00
551	C-HRLY-00006		Dump Truck Driver	HR	35.00	20.00	29.10	95.00
552	C-HRLY-00007		78,000 # Class Excavator	HR	250.00	130.00	379.30	225.00
553	C-HRLY-00008	52,000 # Class Excavator	HR	200.00	120.00	266.30	185.00	

No.	Item No.	Work Item	Detail	Unit	CONSTRUCTION 57	DON HALL CONST	KIEWITT	SITE ENGINEERING				
					Unit Cost	Unit Cost	Unit Cost	Unit Cost				
554	C-HRLY-00009	Hourly Equipment	45,000 # Class Excavator	HR	180.00	110.00	234.00	185.00				
555	C-HRLY-00010		17,000 # Class Excavator	HR	100.00	65.00	193.70	170.00				
556	C-HRLY-00011		10,000 # Class Excavator	HR	75.00	65.00	161.40	150.00				
557	C-HRLY-00012		30,000 # Class Rubber Tired Loader	HR	70.00	70.00	201.70	170.00				
558	C-HRLY-00013		Rubber Tired Backhoe / Loader	HR	55.00	55.00	201.70	150.00				
559	C-HRLY-00014		18,000 # Class Track Dozier	HR	65.00	60.00	217.90	170.00				
560	C-HRLY-00015		Vibratory Soil Compactor (Ride On) Up to 66-inch compaction width	HR	65.00	65.00	201.70	100.00				
561	C-HRLY-00016		Vibratory Soil Compactor (Remote Controlled) Up to 48-inch compaction width	HR	60.00	40.00	121.10	95.00				
562	C-HRLY-00017		Dump Truck (Tandem Rear Axle)	HR	120.00	60.00	145.30	95.00				
563	C-HRLY-00018		Hydro Excavator	HR	250.00	260.00	163.00	600.00				
564	C-HRLY-00021		Utility Truck Fully Equipped with Hand Tools, Air Tools, Cutting Tools, Mudhoe Pump, Generator, Air Compressor.	HR	30.00	25.00	88.80	100.00				
565	C-HRLY-00026		Equipment Rental		EA	10%	10%	0.10	10%			
566	C-HRLY-00027		Supplied Material		EA	10%	10%	0.10	10%			
567	C-HRLY-00028		Specialty Services		EA	10%	10%	0.10	10%			
TOTAL BID AMOUNT (based on quantities from 7 typical jobs performed)					\$	1,077,985.50	\$	696,120.00	\$	1,626,893.30	\$	2,335,198.50