

Construction of Plaza Bow Creek Pump Station #526 and Force Main Replacement
 Project Number: PUCN-17-0246

Item No.	Item Description	Unit	Est. Quantity	Engineer's Estimate		Trident Civil, Inc		Tidewater Utility Construction, Inc.		T.A. Sheets General Contractors, Inc		Average Cost	Median Cost	Minimum Cost	Maximum Cost
				Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost				
1	Pump Station Replacement Complete	LS	1	\$ 2,055,000.00	\$ 2,055,000.00	\$ 2,197,231.63	\$ 2,197,231.63	\$ 2,500,000.00	\$ 2,500,000.00	\$ 2,362,000.00	\$ 2,362,000.00	\$ 2,353,077.21	\$ 2,362,000.00	\$ 2,197,231.63	\$ 2,500,000.00
2	Manhole Rehabilitation	VF	32	\$ 770.00	\$ 24,640.00	\$ 662.04	\$ 21,185.28	\$ 600.00	\$ 19,200.00	\$ 500.00	\$ 16,000.00	\$ 587.35	\$ 600.00	\$ 500.00	\$ 662.04
3	10-inch PVC (C900) Gravity Sewer (16-18 ft. depth)	LF	105	\$ 780.00	\$ 81,900.00	\$ 611.95	\$ 64,254.75	\$ 800.00	\$ 84,000.00	\$ 1,000.00	\$ 105,000.00	\$ 803.98	\$ 800.00	\$ 611.95	\$ 1,000.00
4	12-inch PVC (C900) Gravity Sewer (16-18 ft. depth)	LF	43	\$ 820.00	\$ 35,260.00	\$ 711.65	\$ 30,600.95	\$ 950.00	\$ 40,850.00	\$ 1,000.00	\$ 43,000.00	\$ 887.22	\$ 950.00	\$ 711.65	\$ 1,000.00
5	16-inch PVC (C905) Gravity Sewer (16-18 ft. depth)	LF	48	\$ 850.00	\$ 40,800.00	\$ 690.89	\$ 33,162.72	\$ 1,000.00	\$ 48,000.00	\$ 1,500.00	\$ 72,000.00	\$ 1,063.63	\$ 1,000.00	\$ 690.89	\$ 1,500.00
6	Precast Concrete Manhole (5 ft. dia.)	VF	45	\$ 1,200.00	\$ 54,000.00	\$ 1,295.53	\$ 58,298.85	\$ 1,900.00	\$ 85,500.00	\$ 900.00	\$ 40,500.00	\$ 1,365.18	\$ 1,295.53	\$ 900.00	\$ 1,900.00
7	Manhole Frame and Cover (w/ Insert)	EA	2	\$ 1,000.00	\$ 2,000.00	\$ 735.75	\$ 1,471.50	\$ 1,000.00	\$ 2,000.00	\$ 1,000.00	\$ 2,000.00	\$ 911.92	\$ 1,000.00	\$ 735.75	\$ 1,000.00
8	8-Inch Ductile Iron (Class 52) Force Main	LF	50	\$ 120.00	\$ 6,000.00	\$ 132.98	\$ 6,649.00	\$ 280.00	\$ 14,000.00	\$ 200.00	\$ 10,000.00	\$ 204.33	\$ 200.00	\$ 132.98	\$ 280.00
9	12-Inch Ductile Iron (Class 52) Force Main	LF	2,350	\$ 170.00	\$ 399,500.00	\$ 159.76	\$ 375,436.00	\$ 115.00	\$ 270,250.00	\$ 242.00	\$ 568,700.00	\$ 172.25	\$ 159.76	\$ 115.00	\$ 242.00
10	Interior Pipeline Corrosion Resistant Lining	LF	2,400	\$ 5.00	\$ 12,000.00	\$ 21.74	\$ 52,176.00	\$ 19.00	\$ 45,600.00	\$ 20.00	\$ 48,000.00	\$ 20.25	\$ 20.00	\$ 19.00	\$ 21.74
11	Encasement (8-mil Polyethylene)	LF	2,400	\$ 7.00	\$ 16,800.00	\$ 4.16	\$ 9,984.00	\$ 3.00	\$ 7,200.00	\$ 4.00	\$ 9,600.00	\$ 3.72	\$ 4.00	\$ 3.00	\$ 4.16
12	8-Inch Gate Valves	EA	1	\$ 3,500.00	\$ 3,500.00	\$ 1,623.59	\$ 1,623.59	\$ 2,300.00	\$ 2,300.00	\$ 2,000.00	\$ 2,000.00	\$ 1,974.53	\$ 2,000.00	\$ 1,623.59	\$ 2,300.00
13	12-Inch Gate Valves	EA	5	\$ 5,000.00	\$ 25,000.00	\$ 2,719.36	\$ 13,596.80	\$ 3,000.00	\$ 15,000.00	\$ 3,000.00	\$ 15,000.00	\$ 2,906.45	\$ 3,000.00	\$ 2,719.36	\$ 3,000.00
14	Air Vent Assembly	EA	4	\$ 1,500.00	\$ 6,000.00	\$ 1,304.56	\$ 5,218.24	\$ 2,000.00	\$ 8,000.00	\$ 2,200.00	\$ 8,800.00	\$ 1,834.85	\$ 2,000.00	\$ 1,304.56	\$ 2,200.00
15	Connection to Existing 8-inch Force Main	LS	1	\$ 10,000.00	\$ 10,000.00	\$ 15,144.92	\$ 15,144.92	\$ 14,000.00	\$ 14,000.00	\$ 4,000.00	\$ 4,000.00	\$ 11,048.31	\$ 14,000.00	\$ 4,000.00	\$ 15,144.92
16	Connection to Existing 12-inch Force main	LS	1	\$ 50,000.00	\$ 50,000.00	\$ 33,857.54	\$ 33,857.54	\$ 22,000.00	\$ 22,000.00	\$ 16,000.00	\$ 16,000.00	\$ 23,952.51	\$ 22,000.00	\$ 16,000.00	\$ 33,857.54
17	Select Fill Used in Trench Backfilling (CBR 15+)	CU YD	2,640	\$ 30.00	\$ 79,200.00	\$ 10.75	\$ 28,380.00	\$ 31.00	\$ 81,840.00	\$ 30.00	\$ 79,200.00	\$ 23.92	\$ 30.00	\$ 10.75	\$ 31.00
18	Pavement Milling	SQ YD	4,550	\$ 5.00	\$ 22,750.00	\$ 4.06	\$ 18,473.00	\$ 6.00	\$ 27,300.00	\$ 8.00	\$ 36,400.00	\$ 6.02	\$ 6.00	\$ 4.06	\$ 8.00
19	Aggregate Base Material, VDOT No. 21A	CU YD	410	\$ 50.00	\$ 20,500.00	\$ 102.54	\$ 42,041.40	\$ 115.00	\$ 47,150.00	\$ 80.00	\$ 32,800.00	\$ 99.18	\$ 102.54	\$ 80.00	\$ 115.00
20	Asphalt Concrete, Type BM-25.0	TON	280	\$ 140.00	\$ 39,200.00	\$ 281.58	\$ 78,842.40	\$ 165.00	\$ 46,200.00	\$ 140.00	\$ 39,200.00	\$ 195.53	\$ 165.00	\$ 140.00	\$ 281.58
21	Asphalt Concrete, Type SM-9.5 (1.5" Overlay)	TON	380	\$ 110.00	\$ 41,800.00	\$ 134.52	\$ 51,117.60	\$ 120.00	\$ 45,600.00	\$ 120.00	\$ 45,600.00	\$ 124.84	\$ 120.00	\$ 120.00	\$ 134.52
				Total	\$ 3,025,850.00	Total	\$ 3,138,746.17	Total	\$ 3,425,990.00	Total	\$ 3,555,800.00	\$ 3,373,512.06	\$ 3,425,990.00	\$ 3,138,746.17	\$ 3,555,800.00
						Mathematical Errors in bid. Total of \$24.91									

= Mathematical Error / Correction Noted.