

Rowland Inc. 6855 102nd Ave N. Pinellas Park, FL 33782		
DBE	Y/N	

Group C: Wastewater Point Repair						
	All bid items, unless otherwise specified, shall be inclusive of furnishing all material and labor for the complete installation of the bid item, inclusive of any necessary removal. Installation shall be completed in accordance with the specifications. The quantities provided are estimated per year for bidding purposes and may vary based on the actual work throughout the duration of the contract. The City of Clearwater (City) is not obligated to purchase any minimum or maximum quantities of materials, equipment, or labor.					
	General					
	¹ Mobilization shall be per work order as defined by the City. Each work order may include more than one individual project. The unit price for mobilization shall not exceed \$4,000 for non emergency mobilization and \$5,000 for emergency mobilization. Emergency and non emergency mobilization are further defined in the City of Clearwater Standard Specifications for Construction.					
Item No.	Description	Units	Quantity	Unit Price	Total Price	
1	Emergency Mobilization/Demobilization & General Conditions ¹ (max \$5,000)	EA	30	\$ 5,000.00	\$ -	
2	Non-Emergency Mobilization/Demobilization & General Conditions ¹ (max \$4,000)	EA	75	\$ 4,000.00	\$ 300,000.00	
	Bypass pump set up/demob. & maintenance					
3a	8"-12" Diameter	DAY	30	\$ 3,000.00	\$ 90,000.00	
3b	15"-18" Diameter	DAY	30	\$ 4,200.00	\$ 126,000.00	
3c	24" Diameter	WK	8	\$ 30,000.00	\$ 240,000.00	
3d	30" Diameter	WK	8	\$ 36,000.00	\$ 288,000.00	
	Maintenance of Traffic					
	² (If not already included in line items 4b-4f)					
4a	Flagman ²	HR	200	\$ 50.00	\$ 10,000.00	
4b	Multilane (FDOT Index No. 613)	EA/DAY	30	\$ 1,400.00	\$ 42,000.00	
4c	Multilane (FDOT Index No. 614)	EA/DAY	30	\$ 1,400.00	\$ 42,000.00	
4d	Multilane (FDOT Index No. 615)	EA/DAY	20	\$ 1,400.00	\$ 28,000.00	
4e	Multilane (FDOT Index No. 616)	EA/DAY	20	\$ 1,000.00	\$ 20,000.00	
4f	Multilane (FDOT Index No. 617)	EA/DAY	20	\$ 1,000.00	\$ 20,000.00	
4g	Arrow Board - 5' Minimum Horizontal Size ²	EA/DAY	30	\$ 137.00	\$ 4,110.00	
4h	Variable Message Board ²	EA/DAY	30	\$ 182.00	\$ 5,460.00	
4i	Concrete Barrier (FDOT Index No. 415) ²	EA/DAY	60	\$ 500.00	\$ 30,000.00	
4j	Low Profile Barrier (FDOT Index No. 412) ²	EA/DAY	60	\$ 500.00	\$ 30,000.00	
4k	Sign in Work Zone ²	EA/DAY	100	\$ 1.98	\$ 198.00	
4l	FDOT Cone ²	EA/DAY	100	\$ 1.60	\$ 160.00	
4m	FDOT Channelizing Drum ²	EA/DAY	100	\$ 1.60	\$ 160.00	
4n	Barricade, Type III with Warning Light ²	EA/DAY	100	\$ 2.28	\$ 228.00	
4o	Barricade, Type I or II with Warning Light ²	EA/DAY	100	\$ 1.60	\$ 160.00	
	Labor hours					
	Labor hours and equipment bid items (5 and 6) shall only be used where not already included in a bid item.					
5a	Forman regular time	HOURL	2,500	\$ 110.00	\$ 275,000.00	
5b	Forman overtime	HOURL	500	\$ 120.00	\$ 60,000.00	
5c	Operator regular time	HOURL	4,000	\$ 90.00	\$ 360,000.00	
5d	Operator overtime	HOURL	500	\$ 100.00	\$ 50,000.00	
5e	Truck Driver regular time	HOURL	1,500	\$ 55.00	\$ 82,500.00	
5f	Truck Driver overtime	HOURL	150	\$ 65.00	\$ 9,750.00	
5g	Pipe Layer regular time	HOURL	4,000	\$ 85.00	\$ 340,000.00	
5h	Pipe Layer overtime	HOURL	400	\$ 95.00	\$ 38,000.00	
5i	Laborer regular time	HOURL	4,000	\$ 80.00	\$ 320,000.00	
5j	Laborer overtime	HOURL	550	\$ 90.00	\$ 49,500.00	
	Equipment					
6a	Foreman's pickup truck with hand tools	HOURL	3,000	\$ 55.00	\$ 165,000.00	
6b	Job truck with tools	HOURL	3,500	\$ 60.00	\$ 210,000.00	
6c	Tractor & Trailer (Transport)	HOURL	200	\$ 50.00	\$ 10,000.00	
6d	Track Hoe (to 100 HP)	HOURL	1,100	\$ 120.00	\$ 132,000.00	

6e	Track Hoe (101 HP to 170 HP)	HOUR	500	\$ 140.00	\$ 70,000.00	
6f	Track Hoe (171 HP and up)	HOUR	750	\$ 160.00	\$ 120,000.00	
6g	Rubber Tired Backhoe	HOUR	25	\$ 40.00	\$ 1,000.00	
6h	Wheel Loader (to 150 HP)	HOUR	2,000	\$ 80.00	\$ 160,000.00	
6i	Wheel Loader (151 HP and up)	HOUR	250	\$ 85.00	\$ 21,250.00	
6j	Track Type Tractors (to 100 HP)	HOUR	150	\$ 30.00	\$ 4,500.00	
6k	Track Type Tractors (101 HP and up)	HOUR	25	\$ 32.00	\$ 800.00	
6l	Dump Truck (Tandem Axle)	HOUR	750	\$ 70.00	\$ 52,500.00	
6m	Plate Tamp	HOUR	250	\$ 15.00	\$ 3,750.00	
6n	3" Trash Pump	HOUR	250	\$ 15.00	\$ 3,750.00	
6o	4" Double Diaphragm Pump	HOUR	2,000	\$ 25.00	\$ 50,000.00	
6p	Air Compressor (125 CFM min.)	HOUR	100	\$ 20.00	\$ 2,000.00	
6q	4" Jet Pump	DAY	25	\$ 20.00	\$ 500.00	
6r	Emergency Hauling up to 2500 gallons	HOUR	25	\$ 500.00	\$ 12,500.00	
6s	Emergency Hauling over 2500 gallons	HOUR	25	\$ 500.00	\$ 12,500.00	
7a	Adjust storm structures	EA	10	\$ 525.00	\$ 5,250.00	
7b	Underdrains	LF	200	\$ 52.50	\$ 10,500.00	
7c	Build Up type Structures	EA	10	\$ 525.00	\$ 5,250.00	
7d	Precast Type	EA	10	\$ 1,050.00	\$ 10,500.00	
7e	Gabions and Mattresses	CY	10	\$ 210.00	\$ 2,100.00	
	Landscaping/Restoration					
8a	Seeding	SF	25,000	\$ 0.10	\$ 2,500.00	
8b	Sodding	SF	75,000	\$ 1.00	\$ 75,000.00	
8c	Tree protection	EA	250	\$ 100.00	\$ 25,000.00	
8d	Tree Removal (<6" Trunk Diameter)	EA	5	\$ 753.92	\$ 3,769.60	
8e	Tree Removal (6"-12" Trunk Diameter)	EA	3	\$ 1,960.19	\$ 5,880.57	
8f	Tree Removal (13"-18" Trunk Diameter)	EA	3	\$ 4,825.09	\$ 14,475.27	
8g	Tree Removal (>18" Trunk Diameter)	EA	3	\$ 6,031.36	\$ 18,094.08	
	Materials					
9a	Full Width Milling (Up to 2")	SY	5,500	\$ 42.00	\$ 231,000.00	
9b	Full Width Milling (2" to 4")	SY	5,500	\$ 42.00	\$ 231,000.00	
9c	SP 12.5 Asphalt Concrete Resurfacing	TN	500	\$ 450.00	\$ 225,000.00	
9d	SP 9.5 Asphalt Concrete Resurfacing	TN	500	\$ 450.00	\$ 225,000.00	
9e	Pavement Marking - Crosswalks (Lane)	LF	500	\$ 24.00	\$ 12,000.00	
9f	Pavement Marking - Stop Bars (Lane)	EA	200	\$ 156.00	\$ 31,200.00	
9g	Pavement Marking - School Crossing/RR	EA	50	\$ 240.00	\$ 12,000.00	
9h	Pavement Marking - Turn, Straight, Combo Arrows	EA	50	\$ 180.00	\$ 9,000.00	
9i	Pavement Marking - Dashed (White, Yellow or Double Yellow)	LF	500	\$ 8.40	\$ 4,200.00	
9j	Pavement Marking - Solid White	LF	250	\$ 8.40	\$ 2,100.00	
9k	Pavement Marking - Solid Double Yellow	LF	250	\$ 8.40	\$ 2,100.00	
9l	Pavement Marking - Solid Yellow	LF	250	\$ 8.40	\$ 2,100.00	
9m	Temporary Pavement Marking - Turn, Straight, Combo Arrows	EA	250	\$ 180.00	\$ 45,000.00	
9n	Preparation, Installation and Maintenance of Project Signs	LS	25	\$ 120.00	\$ 3,000.00	
9o	Temporary Pavement Marking - Dashed (White, Yellow or Double Yellow)	LF	250	\$ 4.80	\$ 1,200.00	
9p	Temporary Pavement Marking - Solid White	LF	250	\$ 4.80	\$ 1,200.00	
9q	Temporary Pavement Marking - Solid Double Yellow	LF	250	\$ 4.80	\$ 1,200.00	
9r	Temporary Pavement Marking - Solid Yellow	LF	250	\$ 4.80	\$ 1,200.00	
9s	Remove and replace type I Curb (City Index 101 - Sheet 1 of 2)	LF	500	\$ 66.00	\$ 33,000.00	
9t	Remove and replace valley gutter curb (City index 101 - Sheet 202)	LF	500	\$ 110.40	\$ 55,200.00	
9u	Construct 5 foot wide ADA Ramp (City Index 109 - Sheet 2 of 3)	EA	500	\$ 300.00	\$ 150,000.00	

9v	Remove and Replace Concrete Sidewalk, (4" Min thickness)	SF	500	\$ 15.00	\$ 7,500.00	
9w	Remove and Replace Concrete Sidewalk, (6" Min thickness)	SF	500	\$ 25.00	\$ 12,500.00	
9x	Remove and Replace Concrete Driveway	SY	250	\$ 155.00	\$ 38,750.00	
9y	3000 psi Concrete	CY	50	\$ 360.00	\$ 18,000.00	
9z	Off Site Selected Fill	CY	1,500	\$ 30.00	\$ 45,000.00	
9aa	Limerock Base Material	TON	1,000	\$ 100.00	\$ 100,000.00	
9bb	# 57 Washed Stone	TON	750	\$ 60.00	\$ 45,000.00	
9cc	Crushed Concrete Base Material	TON	750	\$ 130.00	\$ 97,500.00	
9dd	Stabilized Subgrade	TON	750	\$ 73.62	\$ 55,215.00	
9ee	Removal of Unsuitable Soil	TON	50	\$ 60.00	\$ 3,000.00	
9ff	Rip Rap	TON	25	\$ 240.00	\$ 6,000.00	
9gg	Flowable Fill	CY	25	\$ 240.00	\$ 6,000.00	
9hh	Brick Pavers	SY	100	\$ 90.00	\$ 9,000.00	
9ii	Brick Paver Level Sand	CY	10	\$ 36.00	\$ 360.00	
	Well Point Dewatering					
10	Well Point Dewatering	LF/DAY	2,000	\$ 28.60	\$ 57,200.00	
	Manholes and Gravity Main Appurtenances					
11a	Built up Type Manhole-4' diameter (Inclusive of lining, drops, ring, cover, etc.)	VF	250	\$ 300.00	\$ 75,000.00	
11b	Built up Type Manhole-5' diameter (Inclusive of lining, drops, ring, cover, etc.)	VF	25	\$ 300.00	\$ 7,500.00	
11c	Built up Type Manhole-6' diameter (Inclusive of lining, drops, ring, cover, etc.)	VF	25	\$ 300.00	\$ 7,500.00	
11d	Precast Type Manhole-4' diameter (Inclusive of lining, drops, ring, cover, etc.)	VF	250	\$ 1,000.00	\$ 250,000.00	
11e	Precast Type Manhole-5' diameter (Inclusive of lining, drops, ring, cover, etc.)	VF	25	\$ 1,300.00	\$ 32,500.00	
11f	Precast Type Manhole-6' diameter (Inclusive of lining, drops, ring, cover, etc.)	VF	25	\$ 1,500.00	\$ 37,500.00	
11g	Manhole Drop	EA	10	\$ 500.00	\$ 5,000.00	
11h	HDPE Adjustment Ring	EA	5	\$ 75.00	\$ 375.00	
11i	City's standard manhole ring	EA	30	\$ 1,100.00	\$ 33,000.00	
11j	City's standard manhole cover	EA	30	\$ 550.00	\$ 16,500.00	
11k	Abatement Inserts (dish/pan)	EA	10	\$ 220.00	\$ 2,200.00	
11l	Furnish and install Cleanout	EA	500	\$ 500.00	\$ 250,000.00	
11m	Furnish and install Two-way Cleanouts	EA	10	\$ 500.00	\$ 5,000.00	
11n	Bench/invert Repair - Replacement	EA	70	\$ 750.00	\$ 52,500.00	
11o	Injection grouting as required to stop infiltration and inflow	GAL	1,000	\$ 275.00	\$ 275,000.00	
11p	Manhole clean/jet-vac	EA	40	\$ 150.00	\$ 6,000.00	
11q	Remove existing liner for 4' diameter manhole	VF	750	\$ 165.00	\$ 123,750.00	
11r	Remove existing liner for 5' diameter manhole	VF	750	\$ 220.00	\$ 165,000.00	
11s	Remove existing liner for 6' diameter manhole	VF	750	\$ 260.00	\$ 195,000.00	
11t	Reset/Adjust Frame and Cover	EA	25	\$ 500.00	\$ 12,500.00	
11u	Replace Frame and Cover	EA	250	\$ 1,500.00	\$ 375,000.00	
11v	Seal manhole frame to corbel connection	EA	250	\$ 225.00	\$ 56,250.00	
11w	Rear easement access	EA	30	\$ 1,500.00	\$ 45,000.00	
	Manhole Surfacing (Epoxy) - Manhole Coating Product: Raven 405					
12a	Liner system for 4' diameter manhole-125 MILS	VF	1,500	\$ 295.00	\$ 442,500.00	
12b	Liner System for 4' diameter manhole-250 MILS	VF	1,500	\$ 400.00	\$ 600,000.00	
12c	Liner system for 5' diameter manhole-125 MILS	VF	1,500	\$ 368.75	\$ 553,125.00	
12d	Liner System for 5' diameter manhole-250 MILS	VF	1,500	\$ 500.00	\$ 750,000.00	
12e	Liner system for 6' diameter manhole-125 MILS	VF	1,500	\$ 375.00	\$ 562,500.00	
12f	Liner System for 6' diameter manhole-250 MILS	VF	1,500	\$ 500.00	\$ 750,000.00	
	Manhole Surfacing (Cementitious) - Manhole Coating Product: Strong Seal MS-2C Coating System					
13a	Liner system for 4' diameter manhole - 1/2 inch	VF	500	\$ 195.00	\$ 97,500.00	
13b	Liner system for 5' diameter manhole-1/2 inch	VF	300	\$ 245.00	\$ 73,500.00	

13c	Liner system for 6' diameter manhole- 1/2 inch	VF	200	\$ 310.00	\$ 62,000.00	
	Manhole Surfacing (Polyurethane) - Manhole Coating Product: Spraywall					
14a	Liner system for 4' diameter manhole-125 MILS	VF	1,500	\$ 295.00	\$ 442,500.00	
14b	Liner System for 4' diameter manhole-250 MILS	VF	1,500	\$ 400.00	\$ 600,000.00	
14c	Liner system for 5'diameter manhole-125 MILS	VF	1,500	\$ 368.75	\$ 553,125.00	
14d	Liner System for 5' diameter manhole-250 MILS	VF	1,500	\$ 500.00	\$ 750,000.00	
14e	Liner system for 6'diameter manhole-125 MILS	VF	1,500	\$ 375.00	\$ 562,500.00	
14f	Liner System for 6' diameter manhole-250 MILS	VF	1,500	\$ 500.00	\$ 750,000.00	
	Lateral Replacement and Lateral CIPP Furnish and replace existing service lateral from sewer main to new cleanout location (6"-8" Dia.)					
15a	Up to 5' deep	LF	800	\$ 660.00	\$ 528,000.00	
15c	More than 5' and up to 10' deep	LF	500	\$ 770.00	\$ 385,000.00	
15c	More than 10' and up to 15' deep	LF	300	\$ 880.00	\$ 264,000.00	
15d	More than 15' and up to 20' deep	LF	200	\$ 1,650.00	\$ 330,000.00	
	Trenchless (CIPP) reconstruction of sewer lateral, CCTV and cleaning					
16a	4" Dia. Sanitary Sewer Lat. 4.0 mm	LF	500	\$ 225.00	\$ 112,500.00	
16b	6" Dia. Sanitary Sewer Lat. 6.0 mm	LF	300	\$ 250.00	\$ 75,000.00	
16c	8" Dia. Sanitary Sewer Lat. 6.0 mm	LF	50	\$ 275.00	\$ 13,750.00	
	Grout Fill and Abandon Main					
17a	2"-6"	LF	7,500	\$ 15.00	\$ 112,500.00	
17b	8"-12"	LF	7,500	\$ 16.00	\$ 120,000.00	
17c	16"-24"	LF	5,000	\$ 20.00	\$ 100,000.00	
17d	>30"	LF	5,000	\$ 50.00	\$ 250,000.00	
	Remove Abandoned Main (if not already removing for replacing)					
18a	2"-6"	LF	5,000	\$ 22.10	\$ 110,500.00	
18b	8"-12"	LF	5,000	\$ 29.46	\$ 147,300.00	
18c	16"-24"	LF	2,000	\$ 44.20	\$ 88,400.00	
18d	>30"	LF	500	\$ 58.92	\$ 29,460.00	
	Gravity Mains					
	PVC Gravity Mains (Inclusive of all Labor, Material,					
19a	4" diameter (0' to 5')	LF	5	\$ 544.50	\$ 2,722.50	
19b	4" diameter (5.1' to 10')	LF	5	\$ 907.50	\$ 4,537.50	
19c	4" diameter (10.1' to 15')	LF	5	\$ 1,255.98	\$ 6,279.90	
19d	4" diameter (15.1' to 20')	LF	5	\$ 2,254.80	\$ 11,274.00	
19e	6" diameter (0' to 5')	LF	25	\$ 544.50	\$ 13,612.50	
19f	6" diameter (5.1' to 10')	LF	25	\$ 914.76	\$ 22,869.00	
19g	6" diameter (10.1' to 15')	LF	5	\$ 1,306.80	\$ 6,534.00	
19h	6" diameter (15.1' to 20')	LF	5	\$ 3,305.18	\$ 16,525.90	
19i	8" diameter (0' to 5')	LF	1,000	\$ 551.76	\$ 551,760.00	
19j	8" diameter (5.1' to 10')	LF	1,000	\$ 965.58	\$ 965,580.00	
19k	8" diameter (10.1' to 15')	LF	500	\$ 1,314.06	\$ 657,030.00	
19l	8" diameter (15.1' to 20')	LF	500	\$ 2,261.62	\$ 1,130,810.00	
19m	10" diameter (0' to 5')	LF	1,000	\$ 559.02	\$ 559,020.00	
19n	10" diameter (5.1' to 10')	LF	1,000	\$ 972.84	\$ 972,840.00	
19o	10" diameter (10.1' to 15')	LF	500	\$ 1,277.76	\$ 638,880.00	
19p	10" diameter (15.1' to 20')	LF	500	\$ 2,268.88	\$ 1,134,440.00	
19q	12" diameter (0' to 5')	LF	500	\$ 573.54	\$ 286,770.00	
19r	12" diameter (5.1' to 10')	LF	500	\$ 936.54	\$ 468,270.00	
19s	12" diameter (10.1' to 15')	LF	250	\$ 1,285.02	\$ 321,255.00	
19t	12" diameter (15.1' to 20')	LF	100	\$ 2,082.80	\$ 208,280.00	
19u	14"/15" diameter (0' to 5')	LF	5	\$ 595.32	\$ 2,976.60	
19v	14"/15" diameter (5.1' to 10')	LF	5	\$ 965.58	\$ 4,827.90	
19w	14"/15" diameter (10.1' to 15')	LF	5	\$ 1,306.80	\$ 6,534.00	
19x	14"/15" diameter (15.1' to 20')	LF	5	\$ 2,305.00	\$ 11,525.00	
19y	16"/18" diameter (0' to 5')	LF	5	\$ 776.82	\$ 3,884.10	
19z	16"/18" diameter (5.1' to 10')	LF	5	\$ 980.10	\$ 4,900.50	
19aa	16"/18" diameter (10.1' to 15')	LF	5	\$ 1,328.58	\$ 6,642.90	
19bb	16"/18" diameter (15.1' to 20')	LF	5	\$ 2,319.70	\$ 11,598.50	
19cc	20"/21" diameter (0' to 5')	LF	5	\$ 653.40	\$ 3,267.00	
19dd	20"/21" diameter (5.1' to 10')	LF	5	\$ 1,016.40	\$ 5,082.00	

19ee	20"/21" diameter (10.1' to 15')	LF	5	\$ 1,364.88	\$ 6,824.40	
19ff	20"/21" diameter (15.1' to 20')	LF	5	\$ 2,363.26	\$ 11,816.30	
19gg	24" diameter (0' to 5')	LF	5	\$ 784.08	\$ 3,920.40	
19hh	24" diameter (5.1' to 10')	LF	5	\$ 1,183.38	\$ 5,916.90	
19ii	24" diameter (10.1' to 15')	LF	5	\$ 1,575.42	\$ 7,877.10	
19jj	24" diameter (15.1' to 20')	LF	5	\$ 2,675.44	\$ 13,377.20	
19kk	30" diameter (0' to 5')	LF	5	\$ 929.28	\$ 4,646.40	
19ll	30" diameter (5.1' to 10')	LF	5	\$ 1,328.58	\$ 6,642.90	
19mm	30" diameter (10.1' to 15')	LF	5	\$ 1,720.62	\$ 8,603.10	
19nn	30" diameter (15.1' to 20')	LF	5	\$ 2,813.88	\$ 14,069.40	
19oo	36" diameter (0' to 5')	LF	5	\$ 1,081.74	\$ 5,408.70	
19pp	36" diameter (5.1' to 10')	LF	5	\$ 1,481.04	\$ 7,405.20	
19qq	36" diameter (10.1' to 15')	LF	5	\$ 1,873.08	\$ 9,365.40	
19rr	36" diameter (15.1' to 20')	LF	5	\$ 2,719.00	\$ 13,595.00	
HDPE (Inclusive of all Labor, Material, and Associated Restraints)						
20a	4" diameter (0' to 5')	LF	5	\$ 206.25	\$ 1,031.25	
20b	4" diameter (5.1' to 10')	LF	5	\$ 343.75	\$ 1,718.75	
20c	4" diameter (10.1' to 15')	LF	5	\$ 475.75	\$ 2,378.75	
20d	4" diameter (15.1' to 20')	LF	5	\$ 1,061.50	\$ 5,307.50	
20e	6" diameter (0' to 5')	LF	25	\$ 206.25	\$ 5,156.25	
20f	6" diameter (5.1' to 10')	LF	25	\$ 346.50	\$ 8,662.50	
20g	6" diameter (10.1' to 15')	LF	5	\$ 495.00	\$ 2,475.00	
20h	6" diameter (15.1' to 20')	LF	5	\$ 1,130.75	\$ 5,653.75	
20i	8" diameter (0' to 5')	LF	50	\$ 209.00	\$ 10,450.00	
20j	8" diameter (5.1' to 10')	LF	50	\$ 365.75	\$ 18,287.50	
20k	8" diameter (10.1' to 15')	LF	10	\$ 497.75	\$ 4,977.50	
20l	8" diameter (15.1' to 20')	LF	10	\$ 1,114.25	\$ 11,142.50	
20m	10" diameter (0' to 5')	LF	100	\$ 211.75	\$ 21,175.00	
20n	10" diameter (5.1' to 10')	LF	100	\$ 368.50	\$ 36,850.00	
20o	10" diameter (10.1' to 15')	LF	5	\$ 484.00	\$ 2,420.00	
20p	10" diameter (15.1' to 20')	LF	5	\$ 1,117.00	\$ 5,585.00	
20q	12" diameter (0' to 5')	LF	500	\$ 217.25	\$ 108,625.00	
20r	12" diameter (5.1' to 10')	LF	500	\$ 354.75	\$ 177,375.00	
20s	12" diameter (10.1' to 15')	LF	250	\$ 486.75	\$ 121,687.50	
20t	12" diameter (15.1' to 20')	LF	100	\$ 1,122.00	\$ 112,200.00	
20u	14"/15" diameter (0' to 5')	LF	5	\$ 225.50	\$ 1,127.50	
20v	14"/15" diameter (5.1' to 10')	LF	5	\$ 365.75	\$ 1,828.75	
20w	14"/15" diameter (10.1' to 15')	LF	5	\$ 495.00	\$ 2,475.00	
20x	14"/15" diameter (15.1' to 20')	LF	5	\$ 1,130.75	\$ 5,653.75	
20y	16"/18" diameter (0' to 5')	LF	5	\$ 294.25	\$ 1,471.25	
20z	16"/18" diameter (5.1' to 10')	LF	5	\$ 371.25	\$ 1,856.25	
20aa	16"/18" diameter (10.1' to 15')	LF	5	\$ 503.25	\$ 2,516.25	
20bb	16"/18" diameter (15.1' to 20')	LF	5	\$ 1,136.25	\$ 5,681.25	
20cc	20"/21" diameter (0' to 5')	LF	5	\$ 247.50	\$ 1,237.50	
20dd	20"/21" diameter (5.1' to 10')	LF	5	\$ 385.00	\$ 1,925.00	
20ee	20"/21" diameter (10.1' to 15')	LF	5	\$ 517.00	\$ 2,585.00	
20ff	20"/21" diameter (15.1' to 20')	LF	5	\$ 1,152.75	\$ 5,763.75	
20gg	24" diameter (0' to 5')	LF	5	\$ 297.00	\$ 1,485.00	
20hh	24" diameter (5.1' to 10')	LF	5	\$ 448.25	\$ 2,241.25	
20ii	24" diameter (10.1' to 15')	LF	5	\$ 596.75	\$ 2,983.75	
20jj	24" diameter (15.1' to 20')	LF	5	\$ 1,271.00	\$ 6,355.00	
20kk	30" diameter (0' to 5')	LF	5	\$ 352.00	\$ 1,760.00	
20ll	30" diameter (5.1' to 10')	LF	5	\$ 503.25	\$ 2,516.25	
20mm	30" diameter (10.1' to 15')	LF	5	\$ 651.75	\$ 3,258.75	
20nn	30" diameter (15.1' to 20')	LF	5	\$ 1,323.25	\$ 6,616.25	
20oo	36" diameter (0' to 5')	LF	5	\$ 409.75	\$ 2,048.75	
20pp	36" diameter (5.1' to 10')	LF	5	\$ 561.00	\$ 2,805.00	
20qq	36" diameter (10.1' to 15')	LF	5	\$ 709.50	\$ 3,547.50	
20rr	36" diameter (15.1' to 20')	LF	5	\$ 1,287.50	\$ 6,437.50	

	Force Main					
	PVC Force Main (Inclusive of all Labor, Material, and Associated Restraints)					
21a	4" diameter (0' to 5')	LF	25	\$ 499.13	\$ 12,478.25	
21b	4" diameter (5.1' to 10')	LF	5	\$ 831.88	\$ 4,159.40	Original = \$4,159.38
21c	4" diameter (10.1' to 15')	LF	5	\$ 1,151.32	\$ 5,756.60	Original = \$5,756.58
21d	4" diameter (15.1' to 20')	LF	5	\$ 1,899.83	\$ 9,499.15	
21e	6" diameter (0' to 5')	LF	25	\$ 499.13	\$ 12,478.25	Original = \$12,478.13
21f	6" diameter (5.1' to 10')	LF	25	\$ 838.53	\$ 20,963.25	
21g	6" diameter (10.1' to 15')	LF	5	\$ 1,197.90	\$ 5,989.50	
21h	6" diameter (15.1' to 20')	LF	5	\$ 1,946.42	\$ 9,732.10	Original = \$9,732.08
21i	8" diameter (0' to 5')	LF	50	\$ 505.78	\$ 25,289.00	
21j	8" diameter (5.1' to 10')	LF	50	\$ 885.12	\$ 44,256.00	
21k	8" diameter (10.1' to 15')	LF	10	\$ 1,204.56	\$ 12,045.60	Original = \$12,045.55
21l	8" diameter (15.1' to 20')	LF	10	\$ 1,906.49	\$ 19,064.90	Original = \$19,064.85
21m	10" diameter (0' to 5')	LF	100	\$ 512.44	\$ 51,244.00	Original = \$51,243.50
21n	10" diameter (5.1' to 10')	LF	100	\$ 891.77	\$ 89,177.00	
21o	10" diameter (10.1' to 15')	LF	5	\$ 1,171.28	\$ 5,856.40	
21p	10" diameter (15.1' to 20')	LF	5	\$ 1,913.14	\$ 9,565.70	
21q	12" diameter (0' to 5')	LF	500	\$ 525.75	\$ 262,875.00	Original = \$262,872.50
21r	12" diameter (5.1' to 10')	LF	500	\$ 858.50	\$ 429,250.00	Original = \$429,247.50
21s	12" diameter (10.1' to 15')	LF	250	\$ 1,177.94	\$ 294,485.00	Original = \$294,483.75
21t	12" diameter (15.1' to 20')	LF	100	\$ 1,826.45	\$ 182,645.00	
21u	14"/15" diameter (0' to 5')	LF	5	\$ 545.71	\$ 2,728.55	
21v	14"/15" diameter (5.1' to 10')	LF	5	\$ 885.12	\$ 4,425.60	Original = \$4,425.58
21w	14"/15" diameter (10.1' to 15')	LF	5	\$ 1,197.90	\$ 5,989.50	
21x	14"/15" diameter (15.1' to 20')	LF	5	\$ 1,946.42	\$ 9,732.10	Original = \$9,732.08
21y	16"/18" diameter (0' to 5')	LF	5	\$ 712.09	\$ 3,560.45	Original = \$3,560.43
21z	16"/18" diameter (5.1' to 10')	LF	5	\$ 898.43	\$ 4,492.15	Original = \$4,492.13
21aa	16"/18" diameter (10.1' to 15')	LF	5	\$ 1,217.87	\$ 6,089.35	
21bb	16"/18" diameter (15.1' to 20')	LF	5	\$ 1,959.73	\$ 9,798.65	Original = \$9,798.63
21cc	20"/21" diameter (0' to 5')	LF	5	\$ 598.95	\$ 2,994.75	
21dd	20"/21" diameter (5.1' to 10')	LF	5	\$ 931.70	\$ 4,658.50	
21ee	20"/21" diameter (10.1' to 15')	LF	5	\$ 1,251.14	\$ 6,255.70	
21ff	20"/21" diameter (15.1' to 20')	LF	5	\$ 1,999.66	\$ 9,998.30	Original = \$9,998.28
21gg	24" diameter (0' to 5')	LF	5	\$ 718.74	\$ 3,593.70	
21hh	24" diameter (5.1' to 10')	LF	5	\$ 1,084.77	\$ 5,423.85	Original = \$5,423.83
21ii	24" diameter (10.1' to 15')	LF	5	\$ 1,444.14	\$ 7,220.70	Original = \$7,220.68
21jj	24" diameter (15.1' to 20')	LF	5	\$ 2,285.82	\$ 11,429.10	
21kk	30" diameter (0' to 5')	LF	5	\$ 851.84	\$ 4,259.20	
21ll	30" diameter (5.1' to 10')	LF	5	\$ 1,217.87	\$ 6,089.35	Original = \$6,089.33
21mm	30" diameter (10.1' to 15')	LF	5	\$ 1,577.24	\$ 7,886.20	Original = \$7,886.18
21nn	30" diameter (15.1' to 20')	LF	5	\$ 2,412.27	\$ 12,061.35	Original = \$12,061.33
21oo	36" diameter (0' to 5')	LF	5	\$ 991.60	\$ 4,958.00	Original = \$4,957.98
21pp	36" diameter (5.1' to 10')	LF	5	\$ 1,357.62	\$ 6,788.10	
21qq	36" diameter (10.1' to 15')	LF	5	\$ 1,716.99	\$ 8,584.95	
21rr	36" diameter (15.1' to 20')	LF	5	\$ 2,325.75	\$ 11,628.75	
	DUCTILE IRON (Inclusive of all Labor, Material, and					
22a	4" diameter (0' to 5')	LF	5	\$ 559.02	\$ 2,795.10	
22b	4" diameter (5.1' to 10')	LF	5	\$ 891.77	\$ 4,458.85	
22c	4" diameter (10.1' to 15')	LF	5	\$ 1,157.97	\$ 5,789.85	
22d	4" diameter (15.1' to 20')	LF	5	\$ 1,859.90	\$ 9,299.50	
22e	6" diameter (0' to 5')	LF	25	\$ 545.71	\$ 13,642.75	
22f	6" diameter (5.1' to 10')	LF	25	\$ 878.46	\$ 21,961.50	
22g	6" diameter (10.1' to 15')	LF	5	\$ 1,191.25	\$ 5,956.25	
22h	6" diameter (15.1' to 20')	LF	5	\$ 1,919.80	\$ 9,599.00	Original = \$9,598.98
22i	8" diameter (0' to 5')	LF	50	\$ 565.68	\$ 28,284.00	
22j	8" diameter (5.1' to 10')	LF	50	\$ 898.43	\$ 44,921.50	Original = \$44,921.25
22k	8" diameter (10.1' to 15')	LF	10	\$ 1,177.94	\$ 11,779.40	Original = \$11,779.35
22l	8" diameter (15.1' to 20')	LF	10	\$ 1,966.38	\$ 19,663.80	

22m	10" diameter (0' to 5')	LF	100	\$ 752.02	\$ 75,202.00	Original = \$75,201.50
22n	10" diameter (5.1' to 10')	LF	100	\$ 785.29	\$ 78,529.00	
22o	10" diameter (10.1' to 15')	LF	5	\$ 1,237.83	\$ 6,189.15	
22p	10" diameter (15.1' to 20')	LF	5	\$ 1,986.35	\$ 9,931.75	Original = \$9,931.73
22q	12" diameter (0' to 5')	LF	500	\$ 605.61	\$ 302,805.00	Original = \$302,802.50
22r	12" diameter (5.1' to 10')	LF	500	\$ 938.36	\$ 469,180.00	
22s	12" diameter (10.1' to 15')	LF	250	\$ 1,104.73	\$ 276,182.50	
22t	12" diameter (15.1' to 20')	LF	100	\$ 1,796.31	\$ 179,631.00	
22u	14"/15" diameter (0' to 5')	LF	5	\$ 632.23	\$ 3,161.15	Original = \$3,161.13
22v	14"/15" diameter (5.1' to 10')	LF	5	\$ 964.98	\$ 4,824.90	Original = \$4,824.88
22w	14"/15" diameter (10.1' to 15')	LF	5	\$ 1,277.76	\$ 6,388.80	
22x	14"/15" diameter (15.1' to 20')	LF	5	\$ 2,032.93	\$ 10,164.65	
22y	16"/18" diameter (0' to 5')	LF	5	\$ 678.81	\$ 3,394.05	
22z	16"/18" diameter (5.1' to 10')	LF	5	\$ 798.60	\$ 3,993.00	
22aa	16"/18" diameter (10.1' to 15')	LF	5	\$ 838.53	\$ 4,192.65	
22bb	16"/18" diameter (15.1' to 20')	LF	5	\$ 2,072.86	\$ 10,364.30	
22cc	20"/21" diameter (0' to 5')	LF	5	\$ 692.12	\$ 3,460.60	
22dd	20"/21" diameter (5.1' to 10')	LF	5	\$ 1,024.87	\$ 5,124.35	
22ee	20"/21" diameter (10.1' to 15')	LF	5	\$ 1,331.00	\$ 6,655.00	
22ff	20"/21" diameter (15.1' to 20')	LF	5	\$ 2,092.83	\$ 10,464.15	
22gg	24" diameter (0' to 5')	LF	5	\$ 811.91	\$ 4,059.55	
22hh	24" diameter (5.1' to 10')	LF	5	\$ 1,177.94	\$ 5,889.70	Original = \$5,889.68
22ii	24" diameter (10.1' to 15')	LF	5	\$ 1,537.31	\$ 7,686.55	Original = \$7,686.53
22jj	24" diameter (15.1' to 20')	LF	5	\$ 2,378.99	\$ 11,894.95	
22kk	30" diameter (0' to 5')	LF	5	\$ 898.43	\$ 4,492.15	Original = \$4,492.13
22ll	30" diameter (5.1' to 10')	LF	5	\$ 1,264.45	\$ 6,322.25	
22mm	30" diameter (10.1' to 15')	LF	5	\$ 1,623.82	\$ 8,119.10	
22nn	30" diameter (15.1' to 20')	LF	5	\$ 2,465.51	\$ 12,327.55	Original = \$12,327.53
22oo	36" diameter (0' to 5')	LF	5	\$ 991.60	\$ 4,958.00	Original = \$4,957.98
22pp	36" diameter (5.1' to 10')	LF	5	\$ 1,357.62	\$ 6,788.10	
22qq	36" diameter (10.1' to 15')	LF	5	\$ 1,716.99	\$ 8,584.95	
22rr	36" diameter (15.1' to 20')	LF	5	\$ 2,558.68	\$ 12,793.40	Original = \$12,793.38
HDPE (Inclusive of all Labor, Material, and Associated Restraints)						
23a	4" diameter (0' to 5')	LF	5	\$ 206.25	\$ 1,031.25	
23b	4" diameter (5.1' to 10')	LF	5	\$ 343.75	\$ 1,718.75	
23c	4" diameter (10.1' to 15')	LF	5	\$ 475.75	\$ 2,378.75	
23d	4" diameter (15.1' to 20')	LF	5	\$ 1,111.50	\$ 5,557.50	
23e	6" diameter (0' to 5')	LF	25	\$ 206.25	\$ 5,156.25	
23f	6" diameter (5.1' to 10')	LF	25	\$ 346.50	\$ 8,662.50	
23g	6" diameter (10.1' to 15')	LF	5	\$ 495.00	\$ 2,475.00	
23h	6" diameter (15.1' to 20')	LF	5	\$ 1,130.75	\$ 5,653.75	
23i	8" diameter (0' to 5')	LF	50	\$ 209.00	\$ 10,450.00	
23j	8" diameter (5.1' to 10')	LF	50	\$ 365.75	\$ 18,287.50	
23k	8" diameter (10.1' to 15')	LF	10	\$ 497.75	\$ 4,977.50	
23l	8" diameter (15.1' to 20')	LF	10	\$ 1,114.25	\$ 11,142.50	
23m	10" diameter (0' to 5')	LF	100	\$ 211.75	\$ 21,175.00	
23n	10" diameter (5.1' to 10')	LF	100	\$ 368.50	\$ 36,850.00	
23o	10" diameter (10.1' to 15')	LF	5	\$ 484.00	\$ 2,420.00	
23p	10" diameter (15.1' to 20')	LF	5	\$ 1,117.00	\$ 5,585.00	
23q	12" diameter (0' to 5')	LF	500	\$ 217.25	\$ 108,625.00	
23r	12" diameter (5.1' to 10')	LF	500	\$ 354.75	\$ 177,375.00	
23s	12" diameter (10.1' to 15')	LF	250	\$ 486.75	\$ 121,687.50	
23t	12" diameter (15.1' to 20')	LF	100	\$ 1,122.00	\$ 112,200.00	
23u	14"/15" diameter (0' to 5')	LF	5	\$ 225.50	\$ 1,127.50	
23v	14"/15" diameter (5.1' to 10')	LF	5	\$ 365.75	\$ 1,828.75	
23w	14"/15" diameter (10.1' to 15')	LF	5	\$ 495.00	\$ 2,475.00	
23x	14"/15" diameter (15.1' to 20')	LF	5	\$ 1,130.75	\$ 5,653.75	
23y	16"/18" diameter (0' to 5')	LF	5	\$ 294.25	\$ 1,471.25	
23z	16"/18" diameter (5.1' to 10')	LF	5	\$ 371.25	\$ 1,856.25	

23aa	16"/18" diameter (10.1' to 15')	LF	5	\$ 503.25	\$ 2,516.25	
23bb	16"/18" diameter (15.1' to 20')	LF	5	\$ 1,136.25	\$ 5,681.25	
23cc	20"/21" diameter (0' to 5')	LF	5	\$ 247.50	\$ 1,237.50	
23dd	20"/21" diameter (5.1' to 10')	LF	5	\$ 385.00	\$ 1,925.00	
23ee	20"/21" diameter (10.1' to 15')	LF	5	\$ 517.00	\$ 2,585.00	
23ff	20"/21" diameter (15.1' to 20')	LF	5	\$ 1,152.75	\$ 5,763.75	
23gg	24" diameter (0' to 5')	LF	5	\$ 297.00	\$ 1,485.00	
23hh	24" diameter (5.1' to 10')	LF	5	\$ 448.25	\$ 2,241.25	
23ii	24" diameter (10.1' to 15')	LF	5	\$ 596.75	\$ 2,983.75	
23jj	24" diameter (15.1' to 20')	LF	5	\$ 1,271.00	\$ 6,355.00	
23kk	30" diameter (0' to 5')	LF	5	\$ 352.00	\$ 1,760.00	
23ll	30" diameter (5.1' to 10')	LF	5	\$ 503.25	\$ 2,516.25	
23mm	30" diameter (10.1' to 15')	LF	5	\$ 651.75	\$ 3,258.75	
23nn	30" diameter (15.1' to 20')	LF	5	\$ 1,323.25	\$ 6,616.25	
23oo	36" diameter (0' to 5')	LF	5	\$ 409.75	\$ 2,048.75	
23pp	36" diameter (5.1' to 10')	LF	5	\$ 561.00	\$ 2,805.00	
23qq	36" diameter (10.1' to 15')	LF	5	\$ 709.50	\$ 3,547.50	
23rr	36" diameter (15.1' to 20')	LF	5	\$ 1,287.50	\$ 6,437.50	
Force Main Pipe Bursting (Includes connection to existing upstream and downstream force mains)						
24a	Furnish and Install 4" HDPE Pipe Bursting, DR 11	LF	1,000	\$ 115.50	\$ 115,500.00	
24b	Furnish and Install 6" HDPE Pipe Bursting, DR 11	LF	1,000	\$ 137.50	\$ 137,500.00	
24c	Furnish and Install 8" HDPE Pipe Bursting, DR 11	LF	1,000	\$ 154.00	\$ 154,000.00	
24d	Furnish and Install 10" HDPE Pipe Bursting, DR 11	LF	500	\$ 181.50	\$ 90,750.00	
24e	Furnish and Install 12" HDPE Pipe Bursting, DR 11	LF	1,000	\$ 203.50	\$ 203,500.00	
24f	Furnish and Install 16" HDPE Pipe Bursting, DR 11	LF	1,000	\$ 293.70	\$ 293,700.00	
24g	Furnish and Install 20" HDPE Pipe Bursting, DR 11	LF	1,000	\$ 319.00	\$ 319,000.00	
24h	Furnish and Install 24" HDPE Pipe Bursting, DR 11	LF	500	\$ 390.50	\$ 195,250.00	
24i	Furnish and Install 30" HDPE Pipe Bursting, DR 11	LF	500	\$ 577.50	\$ 288,750.00	
Gravity Main Pipe Bursting (Includes connection to existing upstream and downstream gravity main or manhole)						
25a	Furnish and Install 8" HDPE Pipe Bursting, to replace 6" or 8" gravity main	LF	2,000	\$ 165.00	\$ 330,000.00	
25b	Furnish and Install 10" HDPE Sanitary Sewer Mains	LF	500	\$ 192.50	\$ 96,250.00	
25c	Furnish and Install 12" HDPE Sanitary Sewer Mains	LF	1,000	\$ 220.00	\$ 220,000.00	
25d	Furnish and Install 15" HDPE Sanitary Sewer Mains	LF	100	\$ 258.50	\$ 25,850.00	
25e	Furnish and Install 18" HDPE Sanitary Sewer Mains	LF	1,000	\$ 286.00	\$ 286,000.00	
25f	Furnish and Install 20" HDPE Sanitary Sewer Mains	LF	100	\$ 357.50	\$ 35,750.00	
25g	Furnish and Install 24" HDPE Sanitary Sewer Mains	LF	1,000	\$ 412.50	\$ 412,500.00	
25h	Furnish and Install 30" HDPE Sanitary Sewer Mains	LF	250	\$ 605.00	\$ 151,250.00	
25i	Furnish and Install 36" HDPE Sanitary Sewer Mains	LF	200	\$ 715.00	\$ 143,000.00	
Ductile Iron Fittings (Tees, Crosses, 90, 45, 22.5, 11.25, Sleeve, and inclusive all necessary restraints) (Protecto 401 Lined)						
26a	4" diameter	TON	3.00	\$ 70,369.19	\$ 211,107.57	
26b	6" diameter	TON	3.00	\$ 66,603.92	\$ 199,811.76	
26c	8" diameter	TON	3.00	\$ 69,164.10	\$ 207,492.30	
26d	10" diameter	TON	3.00	\$ 66,709.94	\$ 200,129.82	
26e	12" diameter	TON	3.00	\$ 61,378.55	\$ 184,135.65	
26f	14" diameter	TON	3.00	\$ 57,227.88	\$ 171,683.64	
26g	16" diameter	TON	3.00	\$ 56,921.49	\$ 170,764.47	
26h	18" diameter	TON	3.00	\$ 49,693.96	\$ 149,081.88	
26i	20" diameter	TON	3.00	\$ 51,244.87	\$ 153,734.61	
26j	24" diameter	TON	3.00	\$ 53,209.95	\$ 159,629.85	
26k	30" diameter	TON	3.00	\$ 47,866.34	\$ 143,599.02	
26l	36" diameter	TON	3.00	\$ 51,028.19	\$ 153,084.57	
Water main replacement (Incidental to Sewer Repair)						
PVC (Inclusive of all Labor, Material, and Associated Restraints)						
27a	4" diameter	LF	50	\$ 572.00	\$ 28,600.00	
27b	6" diameter	LF	50	\$ 577.50	\$ 28,875.00	
27c	8" diameter	LF	50	\$ 610.50	\$ 30,525.00	
27d	10" diameter	LF	50	\$ 616.00	\$ 30,800.00	
27e	12" diameter	LF	50	\$ 594.00	\$ 29,700.00	

27f	14" diameter	LF	10	\$ 610.50	\$ 6,105.00	
27g	18" diameter	LF	10	\$ 616.00	\$ 6,160.00	
27h	20" diameter	LF	10	\$ 643.50	\$ 6,435.00	
27i	24" diameter	LF	10	\$ 748.00	\$ 7,480.00	
27j	30" diameter	LF	10	\$ 836.00	\$ 8,360.00	
27k	36" diameter	LF	10	\$ 935.00	\$ 9,350.00	
DUCTILE IRON (Inclusive of all Labor, Material, and Associated Restraints)						
28a	4" diameter	LF	10	\$ 605.00	\$ 6,050.00	
28b	6" diameter	LF	25	\$ 616.00	\$ 15,400.00	
28c	8" diameter	LF	50	\$ 621.50	\$ 31,075.00	
28d	10" diameter	LF	10	\$ 632.50	\$ 6,325.00	
28e	12" diameter	LF	10	\$ 649.00	\$ 6,490.00	
28f	14" diameter	LF	5	\$ 665.50	\$ 3,327.50	
28g	18" diameter	LF	5	\$ 693.00	\$ 3,465.00	
28h	20" diameter	LF	5	\$ 704.00	\$ 3,520.00	
28i	24" diameter	LF	5	\$ 814.00	\$ 4,070.00	
28j	30" diameter	LF	5	\$ 869.00	\$ 4,345.00	
28k	36" diameter	LF	5	\$ 935.00	\$ 4,675.00	
HDPE (Inclusive of all Labor, Material, and Associated Restraints)						
29a	4" diameter	LF	10	\$ 155.00	\$ 1,550.00	
29b	6" diameter	LF	25	\$ 155.00	\$ 3,875.00	
29c	8" diameter	LF	50	\$ 157.00	\$ 7,850.00	
29d	10" diameter	LF	10	\$ 257.00	\$ 2,570.00	
29e	12" diameter	LF	10	\$ 257.00	\$ 2,570.00	
29f	14" diameter	LF	5	\$ 257.00	\$ 1,285.00	
29g	18" diameter	LF	5	\$ 260.00	\$ 1,300.00	
29h	20" diameter	LF	5	\$ 262.00	\$ 1,310.00	
29i	24" diameter	LF	5	\$ 267.00	\$ 1,335.00	
29j	30" diameter	LF	5	\$ 272.00	\$ 1,360.00	
29k	36" diameter	LF	5	\$ 284.00	\$ 1,420.00	
Ductile Iron Fittings (Tees, Crosses, 90, 45, 22.5, 11.25, Sleeve, and inclusive all necessary restraints) (Cement Lined)						
30a	4" diameter	TON	1.00	\$ 36,846.77	\$ 36,846.77	
30b	6" diameter	TON	1.00	\$ 34,442.05	\$ 34,442.05	
30c	8" diameter	TON	1.00	\$ 19,784.00	\$ 19,784.00	
30d	10" diameter	TON	1.00	\$ 38,069.17	\$ 38,069.17	
30e	12" diameter	TON	1.00	\$ 34,600.46	\$ 34,600.46	
30f	14" diameter	TON	1.00	\$ 35,044.48	\$ 35,044.48	
30g	16" diameter	TON	1.00	\$ 35,213.94	\$ 35,213.94	
30h	18" diameter	TON	1.00	\$ 33,396.93	\$ 33,396.93	
30i	20" diameter	TON	1.00	\$ 33,931.25	\$ 33,931.25	
30j	24" diameter	TON	1.00	\$ 36,534.09	\$ 36,534.09	
30k	30" diameter	TON	1.00	\$ 34,145.96	\$ 34,145.96	
30l	36" diameter	TON	1.00	\$ 36,701.11	\$ 36,701.11	
Reinforced Concrete Pipe (Inclusive of all Labor, Material, and Associated Restraints)						
31a	12" ID	LF	5	\$ 93.50	\$ 467.50	
31b	15" ID	LF	5	\$ 93.50	\$ 467.50	
31c	18" ID	LF	5	\$ 99.00	\$ 495.00	
31d	21" ID	LF	5	\$ 0.01	\$ 0.05	Original = \$0.06
31e	24" ID	LF	5	\$ 236.50	\$ 1,182.50	
31f	27" ID	LF	5	\$ 0.01	\$ 0.05	Original = \$0.06
31g	30" ID	LF	5	\$ 1,650.00	\$ 8,250.00	
31h	36" ID	LF	5	\$ 1,677.50	\$ 8,387.50	
Appurtenances						
Plug Valves with Valve Box (Wastewater Only)						
32a	4"	EA	200	\$ 1,657.69	\$ 331,538.00	
32b	6"	EA	250	\$ 2,376.92	\$ 594,230.00	
32c	8"	EA	500	\$ 3,724.16	\$ 1,862,080.00	
32d	10"	EA	100	\$ 6,391.95	\$ 639,195.00	
32e	12"	EA	50	\$ 7,892.95	\$ 394,647.50	

32f	14"	EA	10	\$ 14,396.03	\$ 143,960.30	
32g	18"	EA	5	\$ 23,689.09	\$ 118,445.45	
32h	20"	EA	5	\$ 31,872.22	\$ 159,361.10	
Gate Valves with Valve Box						
33a	4"	EA	200	\$ 2,073.39	\$ 414,678.00	
33b	6"	EA	250	\$ 2,531.31	\$ 632,827.50	
33c	8"	EA	500	\$ 3,299.50	\$ 1,649,750.00	
33d	10"	EA	100	\$ 5,836.10	\$ 583,610.00	
33e	12"	EA	50	\$ 7,120.80	\$ 356,040.00	
33f	14"	EA	10	\$ 18,030.92	\$ 180,309.20	
33g	18"	EA	5	\$ 38,357.81	\$ 191,789.05	
33h	20"	EA	5	\$ 40,614.36	\$ 203,071.80	
33i	24"	EA	5	\$ 53,348.43	\$ 266,742.15	
33j	Valve Box Only	EA	50	\$ 425.61	\$ 21,280.50	
Tapping Sleeves and Tapping Valves						
34a	4"	EA	25	\$ 6,578.70	\$ 164,467.50	
34b	6"	EA	50	\$ 7,915.06	\$ 395,753.00	
34c	8"	EA	50	\$ 10,299.70	\$ 514,985.00	
34d	10"	EA	10	\$ 17,814.56	\$ 178,145.60	
34e	12"	EA	25	\$ 22,313.71	\$ 557,842.75	
34f	14"	EA	5	\$ 49,373.59	\$ 246,867.95	
34g	18"	EA	5	\$ 81,146.53	\$ 405,732.65	
34h	20"	EA	5	\$ 94,362.42	\$ 471,812.10	
Linestops						
35a	4"	EA	10	\$ 6,726.94	\$ 67,269.40	
35b	6"	EA	10	\$ 7,143.33	\$ 71,433.30	
35c	8"	EA	10	\$ 8,195.65	\$ 81,956.50	
35d	10"	EA	10	\$ 11,003.39	\$ 110,033.90	
35e	12"	EA	10	\$ 11,466.23	\$ 114,662.30	
35f	14"	EA	5	\$ 14,685.39	\$ 73,426.95	
35g	18"	EA	5	\$ 18,840.75	\$ 94,203.75	
35h	20"	EA	5	\$ 19,894.11	\$ 99,470.55	
Repair Clamp						
36a	4"	EA	15	\$ 1,406.64	\$ 21,099.60	
36b	6"	EA	15	\$ 1,652.47	\$ 24,787.05	
36c	8"	EA	15	\$ 2,007.52	\$ 30,112.80	
36d	10"	EA	15	\$ 2,766.28	\$ 41,494.20	
36e	12"	EA	15	\$ 3,255.81	\$ 48,837.15	
36f	14"	EA	5	\$ 3,574.79	\$ 17,873.95	
36g	18"	EA	5	\$ 4,168.84	\$ 20,844.20	
36h	20"	EA	5	\$ 5,440.82	\$ 27,204.10	
36i	24"	EA	5	\$ 5,715.17	\$ 28,575.85	
36j	30"	EA	5	\$ 8,167.66	\$ 40,838.30	
36k	36"	EA	5	\$ 8,579.19	\$ 42,895.95	
Fire Hydrant						
37a	Fire Hydrant Assembly With Valve (5-1/4")	EA	20	\$ 9,820.19	\$ 196,403.80	
37b	Fire Hydrant Assembly Without Valve (5-1/4")	EA	10	\$ 7,852.10	\$ 78,521.00	
Service Saddles (Water and RCW Only)						
38a	4"	EA	100	\$ 189.00	\$ 18,900.00	
38b	6"	EA	150	\$ 199.50	\$ 29,925.00	
38c	8"	EA	200	\$ 241.50	\$ 48,300.00	
38d	10"	EA	50	\$ 273.00	\$ 13,650.00	
38e	12"	EA	25	\$ 283.50	\$ 7,087.50	
38f	14"	EA	5	\$ 315.00	\$ 1,575.00	
38g	18"	EA	5	\$ 430.50	\$ 2,152.50	
38h	20"	EA	5	\$ 483.00	\$ 2,415.00	
Trenchless Pipeline Installation (Wastewater and Water/Reclaimed Water Piping Incidental to Sewer Repair)						
Directional Drill						

39a	Furnish and Install 4" HDPE by directional drill, DR 11 with Transitional Ends	LF	1,000	\$ 70.75	\$ 70,750.00	
39b	Furnish and Install 6" HDPE by directional drill, DR 11 with Transitional Ends	LF	1,000	\$ 96.00	\$ 96,000.00	
39c	Furnish and Install 8" HDPE by directional drill, DR 11 with Transitional Ends	LF	1,000	\$ 118.00	\$ 118,000.00	
39d	Furnish and Install 10" HDPE by directional drill, DR 11 with Transitional Ends	LF	500	\$ 135.00	\$ 67,500.00	
39e	Furnish and Install 12" HDPE by directional drill, DR 11 with Transitional Ends	LF	1,000	\$ 191.00	\$ 191,000.00	
39f	Furnish and Install 16" HDPE by directional drill, DR 11 with Transitional Ends	LF	1,000	\$ 287.00	\$ 287,000.00	
39g	Furnish and Install 20" HDPE by directional drill, DR 11 with Transitional Ends	LF	1,000	\$ 370.00	\$ 370,000.00	
39h	Furnish and Install 24" HDPE by directional drill, DR 11 with Transitional Ends	LF	1,000	\$ 500.00	\$ 500,000.00	
39i	Furnish and Install 30" HDPE by directional drill, DR 11 with Transitional Ends	LF	1,000	\$ 550.00	\$ 550,000.00	
39j	Furnish and Install 36" HDPE by directional drill, DR 11 with Transitional Ends	LF	1,000	\$ 781.00	\$ 781,000.00	
39k	Furnish and Install 4" Restrained PVC by directional drill, DR 18 with Transitional Ends	LF	1,000	\$ 49.21	\$ 49,210.00	
39l	Furnish and Install 6" Restrained PVC by directional drill, DR 18 with Transitional Ends	LF	1,000	\$ 71.87	\$ 71,870.00	
39m	Furnish and Install 8" Restrained PVC by directional drill, DR 18 with Transitional Ends	LF	1,000	\$ 113.25	\$ 113,250.00	
39n	Furnish and Install 10" Restrained PVC by directional drill, DR 18 with Transitional Ends	LF	500	\$ 165.07	\$ 82,535.00	
39o	Furnish and Install 12" Restrained PVC by directional drill, DR 18 with Transitional Ends	LF	1,000	\$ 235.08	\$ 235,080.00	
39p	Furnish and Install 16" Restrained PVC by directional drill, DR 18 with Transitional Ends	LF	1,000	\$ 521.51	\$ 521,510.00	
39q	Furnish and Install 20" Restrained PVC by directional drill, DR 18 with Transitional Ends	LF	1,000	\$ 863.13	\$ 863,130.00	
39r	Furnish and Install 24" Restrained PVC by directional drill, DR 18 with Transitional Ends	LF	1,000	\$ 1,201.81	\$ 1,201,810.00	
39s	Furnish and Install 30" Restrained PVC by directional drill, DR 18 with Transitional Ends	LF	1,000	\$ 0.01	\$ 10.00	
39t	Furnish and Install 36" Restrained PVC by directional drill, DR 18 with Transitional Ends	LF	1,000	\$ 0.01	\$ 10.00	
Jack and Bore						
40a	Furnish and Install 4" OD Steel Casing Pipe by Jack and Bore per city standard detail	LF	200	\$ 131.25	\$ 26,250.00	
40b	Furnish and Install 6" OD Steel Casing Pipe by Jack and Bore per city standard detail	LF	200	\$ 131.25	\$ 26,250.00	
40c	Furnish and Install 12" OD Steel Casing Pipe by Jack and Bore per city standard detail	LF	200	\$ 270.38	\$ 54,076.00	Original = \$54,075.00
40d	Furnish and Install 14" OD Steel Casing Pipe by Jack and Bore per city standard detail	LF	100	\$ 273.00	\$ 27,300.00	
40e	Furnish and Install 16" OD Steel Casing Pipe by Jack and Bore per city standard detail	LF	500	\$ 278.25	\$ 139,125.00	
40f	Furnish and Install 20" OD Steel Casing Pipe by Jack and Bore per city standard detail	LF	500	\$ 283.50	\$ 141,750.00	
40g	Furnish and Install 24" OD Steel Casing Pipe by Jack and Bore per city standard detail	LF	250	\$ 294.00	\$ 73,500.00	
40h	Furnish and Install 30" OD Steel Casing Pipe by Jack and Bore per city standard detail	LF	250	\$ 328.13	\$ 82,032.50	Original = \$82,031.25
40i	Furnish and Install 36" OD Steel Casing Pipe by Jack and Bore per city standard detail	LF	250	\$ 354.38	\$ 88,595.00	Original = \$88,593.75

40j	Furnish and Install 42" OD Steel Casing Pipe by Jack and Bore per city standard detail	LF	250	\$ 399.00	\$ 99,750.00	
41	Miscellaneous Items					
42	Miscellaneous Markup (10% maximum allowed)			0.10	\$ -	
TOTAL SECTION C =					\$ 57,544,063.57	Original = \$63,463,450.58
D. Sanitary Cleanouts and Laterals						
	All bid items, unless otherwise specified, shall be inclusive of furnishing all material and labor for the complete installation of the bid item, inclusive of any necessary removal. Installation shall be completed in accordance with the specifications. The quantities provided are estimated per year for bidding purposes and may vary based on the actual work throughout the duration of the contract. The City of Clearwater (City) is not obligated to purchase any minimum or maximum amount during the life of the contract. Unit costs for all bid items shall not be					
	General					
	¹ Mobilization shall be per work order as defined by the City. Each work order may include more than one individual project. The unit price for mobilization shall not exceed \$4,000.00 per work order.					
Item No.	Description	Units	Quantity	Unit Price	Total Price	
1	Mobilization/Demobilization including Traffic ¹	LS/WO	10	\$ 4,000.00	\$ 40,000.00	
	Cleanout and Sewer Lateral					
2	Furnish and install Cleanout	EA	500	\$ 500.00	\$ 250,000.00	
3	Furnish and replace existing service lateral from sewer main					
3a	Up to 5' deep	LF	800	\$ 660.00	\$ 528,000.00	
3b	More than 5' and up to 10' deep	LF	500	\$ 770.00	\$ 385,000.00	
3c	More than 10' and up to 15' deep	LF	300	\$ 880.00	\$ 264,000.00	
3d	More than 15' and up to 20' deep	LF	200	\$ 1,650.00	\$ 330,000.00	
	Sewer Lateral CIPP					
4	Trenchless (CIPP) reconstruction of sewer lateral, CCTV and cleaning					
5a	4" Dia. Sanitary Sewer Lat. 4.0 mm	LF	500	\$ 225.00	\$ 112,500.00	
5b	6" Dia. Sanitary Sewer Lat. 6.0 mm	LF	300	\$ 250.00	\$ 75,000.00	
5c	8" Dia. Sanitary Sewer Lat. 6.0 mm	LF	50	\$ 275.00	\$ 13,750.00	
6	Miscellaneous Items					
7	Miscellaneous Markup (10% maximum allowed)			0.10	\$ -	
TOTAL SECTION D =					\$ 1,998,250.00	