

City of Gladstone-North Shore Development (Conceptual)

11/3/2023

				Engineer's Opinion of Cost	
Item	Description	Units	Quantity	Unit	Total
Roadway Upgrades					
1	Roadway Mobilization, Max. (5%)	LS	1	\$ 130,000.00	\$ 130,000.00
2	Earthwork	LS	1	\$ 350,000.00	\$ 350,000.00
3	Sewer, CI IV, 12-inch, Tr Det B	LF	800	\$ 66.00	\$ 52,800.00
4	Sewer, CI IV, 18-inch, Tr Det B	LF	4,800	\$ 90.00	\$ 432,000.00
5	Culv, End Sect, Conc, 18-inch	EA	2	\$ 1,150.00	\$ 2,300.00
6	Dr Structure and Cover, 24-inch Dia.	EA	15	\$ 3,300.00	\$ 49,500.00
7	Dr Structure and Cover, 48-inch Dia.	EA	8	\$ 4,950.00	\$ 39,600.00
8	Dr Structure and Cover, 60-inch Dia.	EA	3	\$ 6,300.00	\$ 18,900.00
9	Stormwater Pond Construction	LS	1	\$ 50,000.00	\$ 50,000.00
10	HMA Surface, Rem	SY	250	\$ 4.00	\$ 1,000.00
11	Aggregate Base, 8-inch	SY	22,100	\$ 18.00	\$ 397,800.00
12	HMA, 5EL	TON	3,700	\$ 110.00	\$ 407,000.00
13	Curb and Gutter, Conc, Det, C2	LF	12,200	\$ 32.00	\$ 390,400.00
14	Sidewalk, Conc, 4-inch	SF	24,000	\$ 10.00	\$ 240,000.00
15	Sidewalk Ramp, Conc, 4-inch	SF	1,200	\$ 14.00	\$ 16,800.00
16	Detectable Warning Surface, Cast Iron	LF	150	\$ 105.00	\$ 15,750.00
17	Pavt Mrkg, Waterborne, 4-inch, Yellow	LFT	12,200	\$ 1.00	\$ 12,200.00
18	Sign, Type IIIB	SFT	1,250	\$ 17.00	\$ 21,250.00
19	Post, Steel, 3 lb	FT	250	\$ 10.00	\$ 2,500.00
20	Erosion Control	LS	1	\$ 8,000.00	\$ 8,000.00
21	Traffic Control, Project	LS	1	\$ 4,000.00	\$ 4,000.00
22	Lawn Restoration	LS	1	\$ 50,000.00	\$ 50,000.00
				SUBTOTAL	\$ 2,691,800.00
Water System Upgrades					
23	Water System Mobilization, Max. (5%)	LS	1	\$ 60,000.00	\$ 60,000.00
24	6-inch Water Main	LF	240	\$ 117.00	\$ 28,080.00
25	8-inch Water Main	LF	6,100	\$ 85.00	\$ 518,500.00
26	8-inch Gate Valve and Box	EA	16	\$ 2,650.00	\$ 42,400.00
27	8-inch x 8-inch x 6-inch Tee	EA	8	\$ 726.00	\$ 5,808.00
28	8-inch x 8-inch x 8-inch Tee	EA	5	\$ 825.00	\$ 4,125.00
29	8-inch 22.5 Degree Bends	EA	10	\$ 550.00	\$ 5,500.00
30	8-inch 45 Degree Bends	EA	10	\$ 550.00	\$ 5,500.00
31	8-inch 90 Degree Bends	EA	4	\$ 550.00	\$ 2,200.00
32	1-inch Corporation Stop	EA	35	\$ 500.00	\$ 17,500.00
33	1-inch Curb Stop and Box	EA	35	\$ 650.00	\$ 22,750.00
34	1-inch Type Water Service	LF	1,200	\$ 60.00	\$ 72,000.00
35	2-inch Corporation Stop	EA	19	\$ 750.00	\$ 14,250.00
36	2-inch Curb Stop and Box	EA	19	\$ 1,100.00	\$ 20,900.00
37	2-inch Type Water Service	LF	2,550	\$ 85.00	\$ 216,750.00
38	4-6" Water Service (Fire Protection)	EA	22	\$ 3,500.00	\$ 77,000.00
39	Connect to Existing 8-inch Water Main	EA	3	\$ 2,550.00	\$ 7,650.00
40	Special Backfill	CY	1,200	\$ 21.00	\$ 25,200.00
41	Fire Hydrant Assembly	EA	8	\$ 7,000.00	\$ 56,000.00
				SUBTOTAL	\$ 1,202,113.00
Sanitary Sewer Upgrades					
42	Sewer System Mobilization, Max. (5%)	LS	1	\$ 60,000.00	\$ 60,000.00
43	8-inch SDR 26 PVC Gravity Sanitary Sewer	LF	6,100	\$ 75.00	\$ 457,500.00
44	48-inch Dia. Sanitary Sewer Manhole and Cover	VF	189	\$ 600.00	\$ 113,400.00
45	Connect to Existing Sewer Manhole	EA	2	\$ 1,350.00	\$ 2,700.00
46	6-inch SDR 26 PVC Sewer Lateral	LF	1,800	\$ 55.00	\$ 99,000.00
47	Connect to Existing Sewer Lateral	EA	55	\$ 350.00	\$ 19,250.00
48	6-inch x 8-inch Sanitary Sewer Wye	EA	55	\$ 250.00	\$ 13,750.00
49	Special Backfill	CY	1,200	\$ 21.00	\$ 25,200.00
50	6"HDPE Force main Gravity Sanitary Sewer	LF	900	\$ 68.00	\$ 61,200.00
50	Electrical Service	LS	1	\$ 6,000.00	\$ 6,000.00
51	Lift Station	LS	1	\$ 450,000.00	\$ 450,000.00
				SUBTOTAL	\$ 1,308,000.00
				TOTAL CONSTRUCTION	\$ 5,201,913.00
				CONTINGENCY (10%)	\$ 520,191.30
				ENGINEERING	\$ 832,306.08
				TOTAL	\$ 6,554,410.38