

Project Name: CONSTRUCTION OF SUBSTATION ASTORIA 24TH AVENUE BOROUGH OF QUEENS

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S#	Dwg.	CSI NO	DESCRIPTION	QTY.	Wastage	Qty w/ Waste	UNIT	UNIT LABOR HOUR	TOTAL LABOR HOUR	LABOR WAGE/HOUR	TOTAL LABOR COST	TOTAL MATERIAL COST	UNIT MATERIAL COST	UNIT LABOR COST	UNIT PRICE	TOTAL COST	TRADE TOTAL
000001 DIVISION 01-GENERAL REQUIREMENTS																	
1			Mobilization	1	5%	1	LS	0.000	0.0	\$ 142.62	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
2			Supervision	1	5%	1	LS	0.000	0.0	\$ 142.62	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
3			Office overheads	1	5%	1	LS	0.000	0.0	\$ 142.62	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
4			Temporary facilities and controls	1	5%	1	LS	0.000	0.0	\$ 142.62	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$
5			Project Closeout	1	5%	1	LS	0.000	0.0	\$ 142.62	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,500.0
6			Submittal and approval	1	5%	1	LS	0.000	0.0	\$ 142.62	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
7			Mobile Scaffolding	1	5%	1	LS	0.000	0.0	\$ 142.62	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
			Subtotal														\$ 3,500
000022 DIVISION 02-EXISTING CONDITIONS																	
DEMOLISH EXISTING CONDITIONS																	
8			Removed Basin	1	0%	1	EA	2.140	2.1	\$ 142.62	\$ 305.2	\$ -	\$ -	\$ 305.2	\$ 305.2	\$ 305.2	\$ 305.2
9			C.I.P. Removed	1	0%	1	EA	1.417	1.4	\$ 142.62	\$ 202.1	\$ -	\$ -	\$ 202.1	\$ 202.1	\$ 202.1	\$ 202.1
			Subtotal														\$ 507
000022 DIVISION 24- PLUMBING																	
FITTINGS																	
10			4"x6"x4" TEE	1	0%	1	EA	0.790	0.8	\$ 142.62	\$ 112.6	\$ 90.3	\$ 90.3	\$ 112.6	\$ 202.9	\$ 202.9	\$ 202.9
11			4"x6"x6" TEE	1	0%	1	EA	0.844	0.8	\$ 142.62	\$ 120.4	\$ 105.8	\$ 105.8	\$ 120.4	\$ 226.2	\$ 226.2	\$ 226.2
12			3"x6"x6" TEE	1	0%	1	EA	0.800	0.8	\$ 142.62	\$ 114.1	\$ 94.2	\$ 94.2	\$ 114.1	\$ 208.3	\$ 208.3	\$ 208.3
15			3"x3"x3" TEE	2	0%	2	EA	0.550	1.1	\$ 142.62	\$ 156.9	\$ 96.4	\$ 96.4	\$ 156.9	\$ 313.3	\$ 313.3	\$ 313.3
16			3"x4"x4" TEE	1	0%	1	EA	0.600	0.6	\$ 142.62	\$ 85.6	\$ 67.1	\$ 67.1	\$ 85.6	\$ 152.7	\$ 152.7	\$ 152.7
20			2"x2"x2" TEE	2	0%	2	EA	0.485	1.0	\$ 142.62	\$ 138.3	\$ 37.8	\$ 37.8	\$ 138.3	\$ 176.1	\$ 176.1	\$ 176.1
13			4" ELBOW	6	0%	6	EA	0.220	1.3	\$ 142.62	\$ 188.3	\$ 187.4	\$ 187.4	\$ 188.3	\$ 375.7	\$ 375.7	\$ 375.7
14			3" ELBOW	8	0%	8	EA	0.185	1.5	\$ 142.62	\$ 211.1	\$ 198.2	\$ 198.2	\$ 211.1	\$ 409.2	\$ 409.2	\$ 409.2
17			1-1/2" ELBOW	3	0%	3	EA	0.110	0.3	\$ 142.62	\$ 47.1	\$ 38.4	\$ 38.4	\$ 47.1	\$ 85.5	\$ 85.5	\$ 85.5
18			3/4" ELBOW	3	0%	3	EA	0.100	0.3	\$ 142.62	\$ 42.8	\$ 30.6	\$ 30.6	\$ 42.8	\$ 73.4	\$ 73.4	\$ 73.4
19			2" ELBOW	2	0%	2	EA	0.170	0.3	\$ 142.62	\$ 48.5	\$ 35.6	\$ 35.6	\$ 48.5	\$ 84.1	\$ 84.1	\$ 84.1
PLUMBING FIXTURES																	
21			Water Closet	1	0%	1	EA	5.550	5.6	\$ 142.62	\$ 791.5	\$ 689.0	\$ 689.0	\$ 791.5	\$ 1,480.5	\$ 1,480.5	\$ 1,480.5
23			Water Heater	1	0%	1	EA	2.110	2.1	\$ 142.62	\$ 300.9	\$ 2,875.0	\$ 2,875.0	\$ 300.9	\$ 3,175.9	\$ 3,175.9	\$ 3,175.9
23			Lavatory	1	0%	1	EA	5.310	5.3	\$ 142.62	\$ 757.3	\$ 611.0	\$ 611.0	\$ 757.3	\$ 1,368.3	\$ 1,368.3	\$ 1,368.3
24			Slop Sink	1	0%	1	EA	4.236	4.2	\$ 142.62	\$ 604.1	\$ 525.0	\$ 525.0	\$ 604.1	\$ 1,129.1	\$ 1,129.1	\$ 1,129.1
25			Drinking Fountain	1	0%	1	EA	5.110	5.1	\$ 142.62	\$ 728.8	\$ 3,285.0	\$ 3,285.0	\$ 728.8	\$ 4,013.8	\$ 4,013.8	\$ 4,013.8
DRAINAGE																	
26			6" Roof Drain	1	0%	1	EA	1.150	1.2	\$ 142.62	\$ 164.0	\$ 460.0	\$ 460.0	\$ 164.0	\$ 624.0	\$ 624.0	\$ 624.0
27			3" Floor Drain	2	0%	2	EA	0.890	1.8	\$ 142.62	\$ 253.9	\$ 378.0	\$ 378.0	\$ 253.9	\$ 631.9	\$ 631.9	\$ 631.9
28			4" Roof Drain	12	0%	12	EA	0.954	11.4	\$ 142.62	\$ 1,632.7	\$ 3,432.0	\$ 286.0	\$ 136.1	\$ 422.1	\$ 5,064.7	\$ 5,064.7
METER																	
29			1-1/2" Flanged Meter	1	0%	1	EA	1.220	1.2	\$ 142.62	\$ 174.0	\$ 641.2	\$ 641.2	\$ 174.0	\$ 815.2	\$ 815.2	\$ 815.2
CLEAN OUT																	
30			Floor Clean Out	6	0%	6	EA	0.785	4.7	\$ 142.62	\$ 671.7	\$ 768.0	\$ 128.0	\$ 112.0	\$ 240.0	\$ 1,439.7	\$ 1,439.7
31			Clean Out	1	0%	1	EA	1.100	1.1	\$ 142.62	\$ 156.9	\$ 155.0	\$ 155.0	\$ 156.9	\$ 311.9	\$ 311.9	\$ 311.9
VALVES																	
32			Ball Valve	4	0%	4	EA	1.150	4.6	\$ 142.62	\$ 656.1	\$ 352.0	\$ 88.0	\$ 164.0	\$ 252.0	\$ 1,008.1	\$ 1,008.1
33			Shut Off Valve	1	0%	1	EA	1.150	1.2	\$ 142.62	\$ 164.0	\$ 98.0	\$ 98.0	\$ 164.0	\$ 262.0	\$ 262.0	\$ 262.0
34			1-1/2" Tester Gate Valve	1	0%	1	EA	1.220	1.2	\$ 142.62	\$ 174.0	\$ 312.0	\$ 312.0	\$ 174.0	\$ 486.0	\$ 486.0	\$ 486.0
35			1-1/2" Gate Valve	1	0%	1	EA	1.220	1.2	\$ 142.62	\$ 174.0	\$ 269.0	\$ 269.0	\$ 174.0	\$ 443.0	\$ 443.0	\$ 443.0
MISC. PIPING																	
36			Urinal	15	5%	16	LF	0.241	3.8	\$ 142.62	\$ 541.3	\$ 112.9	\$ 7.2	\$ 34.4	\$ 41.5	\$ 654.3	\$ 654.3
37			6" E.H.C.I Pipe	50	5%	53	LF	0.410	21.5	\$ 142.62	\$ 3,069.9	\$ 693.0	\$ 13.2	\$ 58.5	\$ 71.7	\$ 3,762.9	\$ 3,762.9
38			4" E.H.C.I Pipe	9	5%	9	LF	0.302	2.9	\$ 142.62	\$ 407.0	\$ 111.3	\$ 11.8	\$ 43.1	\$ 54.9	\$ 518.3	\$ 518.3
PIPING																	
DOMESTIC PIPING																	
39			1-1/2" Cold Water Pipe	130	5%	137	LF	0.154	21.0	\$ 142.62	\$ 2,998.0	\$ 1,300.8	\$ 9.5	\$ 22.0	\$ 31.5	\$ 4,298.9	\$ 4,298.9
40			3/4" Hot Water pipe	130	5%	137	LF	0.105	14.3	\$ 142.62	\$ 2,044.1	\$ 569.2	\$ 4.2	\$ 15.0	\$ 19.1	\$ 2,613.3	\$ 2,613.3
WASTE PIPING																	
41			2" Vent Pipe	55	5%	58	LF	0.222	12.8	\$ 142.62	\$ 1,828.5	\$ 335.0	\$ 5.8	\$ 31.7	\$ 37.5	\$ 2,163.4	\$ 2,163.4
42			6" Sleeve	15	5%	16	LF	0.410	6.4	\$ 142.62	\$ 910.5	\$ 205.5	\$ 13.2	\$ 58.5	\$ 71.7	\$ 1,116.1	\$ 1,116.1
43			3" Sanitary pipe	30	5%	32	LF	0.271	8.5	\$ 142.62	\$ 1,217.5	\$ 225.9	\$ 7.2	\$ 38.7	\$ 45.8	\$ 1,443.3	\$ 1,443.3
44			4" Sanitary Sewer	60	5%	63	LF	0.302	19.0	\$ 142.62	\$ 2,735.5	\$ 742.1	\$ 11.8	\$ 43.1	\$ 54.9	\$ 3,456.6	\$ 3,456.6
45			6" Sanitary Sewer	35	5%	37	LF	0.410	15.1	\$ 142.62	\$ 2,148.9	\$ 485.1	\$ 13.2	\$ 58.5	\$ 71.7	\$ 2,634.0	\$ 2,634.0
46			4" Vent Stack	35	5%	37	LF	0.302	11.1	\$ 142.62	\$ 1,582.9	\$ 432.9	\$ 11.8	\$ 43.1	\$ 54.9	\$ 2,015.8	\$ 2,015.8
			Subtotal														\$ 49,178
TOTAL AMOUNT																	
CONTINGENCIES (5%)																	
OVERHEAD AND PROFIT (10%)																	
TAX (8.5%)																	
PERFORMANCE AND PAYMENT BONDS																	
TOTAL BASEBID																	

SHEET-30 -
SHEET-35