

ITEM #	REF. SHEET	CSI SECT	DESCRIPTION	UNIT	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT LABOR HOURS	TOTAL LABOR HOURS	PER HOUR RATE	TOTAL LABOR COST	UNIT MATERIAL COST	TOTAL MATERIAL COST	TOTAL COST	TRADE COST	
DIV-22 Plumbing															\$ 161,181	
Sanitary Pipe																
Material: SCH 40																
1	P.102 Too P.401	DIV-22	(4" Dia) Vent Pipe	LF	137	5%	144	0.	20.93	\$ 74.1	\$ 1,551	\$ 7.70	\$ 1,108	\$ 2,659		
2	P.102 Too P.401	DIV-22	(3" Dia) Vent Pipe	LF	167	5%	175	146	23.15	\$ 74.1	\$ 1,735	\$ 5.44	\$ 954	\$ 2,689		
3	P.102 Too P.401	DIV-22	(6" Dia) Grease Waste Pipe	LF	248	5%	261	0.	46.93	\$ 74.1	\$ 3,478	\$ 11.56	\$ 3,022	\$ 6,500		
4	P.102 Too P.401	DIV-22	(4" Dia) Sanitary Pipe	LF	321	5%	337	132	49.04	\$ 74.1	\$ 3,634	\$ 7.70	\$ 2,595	\$ 6,229		
5	P.102 Too P.401	DIV-22	(2" Dia) Sanitary Pipe	LF	38	5%	40	0.	3.59	\$ 74.1	\$ 266	\$ 3.40	\$ 136	\$ 402		
6	P.102 Too P.401	DIV-22	(6" Dia) Sanitary Pipe	LF	228	5%	239	180	33.52	\$ 74.1	\$ 2,484	\$ 5.78	\$ 1,384	\$ 3,867		
Cast Iron																
7	P.102 Too P.401	DIV-22	(90 D) Bend	EA	4	0%	4	246	0.80	\$ 74.1	\$ 59	\$ 21.00	\$ 84	\$ 143		
8	P.102 Too P.401	DIV-22	(45 D) Bend	EA	10	0%	10	200	2.00	\$ 74.1	\$ 148	\$ 10.08	\$ 101	\$ 249		
9	P.102 Too P.401	DIV-22	Tee	EA	1	0%	1	500	0.40	\$ 74.1	\$ 30	\$ 24.60	\$ 25	\$ 54		
10	P.102 Too P.401	DIV-22	Tee	EA	7	0%	7	300	2.80	\$ 74.1	\$ 207	\$ 35.60	\$ 248	\$ 457		
11	P.102 Too P.401	DIV-22	4" End Cap	EA	2	0%	2	400	0.68	\$ 74.1	\$ 50	\$ 25.00	\$ 50	\$ 100		
Domestic Pipe																
Material: Copper Type "L"																
12	P.102 Too P.401	DIV-22	(2" Dia) Cold Water Pipe	LF	471	5%	495	600	148.37	\$ 74.1	\$ 10,994	\$ 17.70	\$ 8,754	\$ 19,747		
13	P.102 Too P.401	DIV-22	Pipe Insulation	LF	67	5%	70	800	8.44	\$ 74.1	\$ 625	\$ 33.70	\$ 2,371	\$ 2,996		
14	P.102 Too P.401	DIV-22	1" Elastomeric Insulation	LF	538	5%	565	120	56.49	\$ 74.1	\$ 4,186	\$ 2.76	\$ 1,559	\$ 5,745		
Supports, Rods or Beams or Other Type Clamps																
15	P.102 Too P.401	DIV-22	Lumpsum Connections	LF	538	5%	565	0.030	16.95	\$ 74.1	\$ 1,256	\$ 21.76	\$ 12,292	\$ 13,548		
Tees																
16	P.102 Too P.401	DIV-22	Flatures	EA	21	0%	21	0.400	8.40	\$ 74.1	\$ 622	\$ 43.00	\$ 903	\$ 1,525		
TCO-1 - 4" Traffic Cleanout (Outside Building)																
17	P.102 Too P.401	DIV-22	- MFR: Zurn - Model: Z1400 / Z1474 (Heavy-Duty Housing) FCO-1 - 4" Floor Cleanout (Within Building)- MFR: Zurn - Model: Z1400-Z14	EA	1	0%	1	3.650	3.65	\$ 74.1	\$ 270	\$ 810.99	\$ 811	\$ 1,081		
18	P.102 Too P.401	DIV-22	ECO-1 - 4" 2-Way Exterior Floor Cleanout	EA	10	0%	10	3.	36.50	\$ 74.1	\$ 2,705	\$ 810.99	\$ 8,110	\$ 10,815		
19	P.102 Too P.401	DIV-22	WCO-1 - 3" Wall Cleanout	EA	1	0%	1	650	0.60	\$ 74.1	\$ 44	\$ 39.97	\$ 40	\$ 84		
20	P.102 Too P.401	DIV-22	- MFR: Zurn - Model: Z1445 Equipments 3000 Gallon Precast Grease Interceptor	EA	2	0%	2	2,200	4.40	\$ 74.1	\$ 326	\$ 976.76	\$ 1,954	\$ 2,880		
4" Dia Traffic Rated Sample Well																
21	P.102 Too P.401	DIV-22	WH-1 - Wall Hydrant (Non-Freeze)	EA	1	0%	1	57,000	57.00	\$ 74.1	\$ 4,224	\$ 19,211.00	\$ 19,211	\$ 23,435		
22	P.102 Too P.401	DIV-22	- MFR: Zurn	EA	1	0%	1	4,400	4.40	\$ 74.1	\$ 326	\$ 1,840.00	\$ 1,840	\$ 2,166		
23	P.102 Too P.401	DIV-22	- Model: Z1300 Ball Valve Water Sub-Meter	EA	3	0%	3	2,650	7.95	\$ 74.1	\$ 589	\$ 763.00	\$ 2,289	\$ 2,878		
24	P.102 Too P.401	DIV-22	- Type: Neptune MMCH 10 Ultrasonic Water Meter	EA	21	0%	21	0.800	16.80	\$ 74.1	\$ 1,245	\$ 26.40	\$ 554	\$ 1,799		
25	P.102 Too P.401	DIV-22	- Type: Badger Meter RTR-RD-T-01 Main Full-Port Shut-Off Valve	EA	21	0%	21	3,600	75.60	\$ 74.1	\$ 5,602	\$ 387.00	\$ 8,127	\$ 13,729		
26	P.102 Too P.401	DIV-22	- Installed upstream of the meter Check Valve	EA	21	0%	21	1,200	25.20	\$ 74.1	\$ 1,867	\$ 130.00	\$ 2,730	\$ 4,597		
27	P.102 Too P.401	DIV-22	Strainers	EA	21	0%	21	0.800	16.80	\$ 74.1	\$ 1,245	\$ 86.61	\$ 1,819	\$ 3,064		
28	P.102 Too P.401	DIV-22	2" End Cap	EA	21	0%	21	1,600	33.60	\$ 74.1	\$ 2,490	\$ 103.40	\$ 2,171	\$ 4,661		
29	P.102 Too P.401	DIV-22	SP-1 - 50 Gpm Elevator Pit With Sump Pump - Pit Shall Be 24" x 24" x 24" D. Pit Walls Shall Be 6" Thick - Bell & Gossett Series "2ec" Model "2ec0718", Effluent Sump	EA	21	0%	21	1,320	27.72	\$ 74.1	\$ 2,054	\$ 333.80	\$ 7,010	\$ 9,064		
30	P.102 Too P.401	DIV-22	Pump 50 Gpm at 30 Hd, 3/4 Hp, 208 Volt, and 1 Ph (for One Car Per Shift)	EA	21	0%	21	0.400	8.40	\$ 74.1	\$ 622	\$ 222.00	\$ 462	\$ 1,084		
31	P.102 Too P.401	DIV-22	Bell & Gossett Series "2ec" Model "2ec1018, Effluent Sump Pump 100 Gpm at 30 Hd, 1 Hp, 208 Volt, and 1 Ph (for Two Cars Per Shift) Sump Pump Connections Check Valve Gate Valve (90 D) Bend Gas Pipe Connections	EA	1	0%	1	15,000	15.00	\$ 74.1	\$ 1,112	\$ 6,541.00	\$ 6,541	\$ 7,653		
32	P.102 Too P.401	DIV-22	(90 D) Bend	EA	1	0%	1	1.	1.60	\$ 74.1	\$ 119	\$ 103.40	\$ 103	\$ 222		
33	P.102 Too P.401	DIV-22	Equipments	EA	1	0%	1	600	0.87	\$ 74.1	\$ 64	\$ 54.00	\$ 54	\$ 118		
34	P.102 Too P.401	DIV-22	Pipe Sleeve	EA	4	0%	4	0.	0.80	\$ 74.1	\$ 59	\$ 8.41	\$ 34	\$ 93		
Keyed Gas Shut-Off Valve																
35	P.102 Too P.401	DIV-22	Gas Meter / Meter Bank	EA	5	0%	5	420	2.10	\$ 74.1	\$ 156	\$ 26.00	\$ 130	\$ 286		
Interceptor Equipments																
36	P.102 Too P.401	DIV-22	14 - Service Alert Panel Notifies of Grease Maximum Capacity with Audible & Visual	EA	1	0%	1	0.	0.77	\$ 74.1	\$ 57	\$ 55.00	\$ 55	\$ 112		
37	P.102 Too P.401	DIV-22	Alarm; NPP14	EA	4	0%	4	765	4.00	\$ 74.1	\$ 296	\$ 63.00	\$ 252	\$ 548		
38	P.102 Too P.401	DIV-22	11- Nameplate Indicating	EA	2	0%	2	1	4.80	\$ 74.1	\$ 356	\$ 897.40	\$ 1,795	\$ 2,150		
39	P.102 Too P.401	DIV-22	MFG: ParkUSA 688-611-PARK www.parkusa.com - Model: GT-XXXX Date Manufactured	EA	1	0%	1	0.	0.40	\$ 74.1	\$ 30	\$ 11.29	\$ 11	\$ 41		
40	P.102 Too P.401	DIV-22		EA	1	0%	1	400	2.40	\$ 74.1	\$ 178	\$ 650.00	\$ 650	\$ 828		
41	P.102 Too P.401	DIV-22		EA	2	0%	2	0.400	0.80	\$ 74.1	\$ 59	\$ 45.00	\$ 90	\$ 149		
42	P.102 Too P.401	DIV-22	9 - Galvanized Riser Support (Type)	EA	2	0%	2	0.	1.60	\$ 74.1	\$ 119	\$ 55.00	\$ 110	\$ 229		
43	P.102 Too P.401	DIV-22	7- 6" PVC Double Tee Manifold	EA	1	0%	1	800	0.60	\$ 74.1	\$ 44	\$ 38.10	\$ 38	\$ 83		
44	P.102 Too P.401	DIV-22	4- 6" Resistor	EA	1	0%	1	0.	2.40	\$ 74.1	\$ 178	\$ 301.57	\$ 302	\$ 479		
45	P.102 Too P.401	DIV-22	3- 6" Vent Sleeve	EA	1	0%	1	600	0.60	\$ 74.1	\$ 44	\$ 45.00	\$ 45	\$ 89		
46	P.102 Too P.401	DIV-22	2- Cast Iron Frame & Cover	EA	1	0%	1	2.	1.40	\$ 74.1	\$ 104	\$ 260.00	\$ 260	\$ 364		
47	P.102 Too P.401	DIV-22	Tee	EA	2	0%	2	400	0.80	\$ 74.1	\$ 59	\$ 24.60	\$ 49	\$ 108		
SUB TOTAL																\$ 161,181
MATERIAL TAX																\$ 16,118
OVERHEAD AND PROFIT																\$ 16,118
BOND FEE																\$ 16,118
TOTAL BASE BID																\$ 161,181