

22 14 Facility Storm Drainage

22 14 26 – Facility Storm Drains

22 14 26.19 Facility Trench Drains

		Crew	Daily Output	Labor- Hours	Unit	Material	2022 Bare Costs Labor	Equipment	Total	Total Incl O&P
6800	Fiberglass									
6810	8" internal width, with grate									
6820	Medium duty galvanized grate	Q-1	115	139	L.F.	122	8.75		130.75	147
6830	Heavy duty iron grate	"	110	145	"	215	9.15		224.15	251

22 14 29 – Sump Pumps

22 14 29.13 Wet-Pit-Mounted, Vertical Sump Pumps

0010	WET-PIT-MOUNTED, VERTICAL SUMP PUMPS									
0400	Molded PVC base, 21 GPM at 15' head, 1/3 HP	1 Plum	5	1.600	Ea.	138	112		250	320
0800	Iron base, 21 GPM at 15' head, 1/3 HP		5	1.600		155	112		267	335
1200	Solid brass, 21 GPM at 15' head, 1/3 HP		5	1.600		250	112		362	440
2000	Sump pump, single stage									
2010	25 GPM, 1 HP, 1-1/2" discharge	Q-1	1.80	8.889	Ea.	4,000	560		4,560	5,225
2020	75 GPM, 1-1/2 HP, 2" discharge		1.50	10.667		4,225	670		4,895	5,650
2030	100 GPM, 2 HP, 2-1/2" discharge		1.30	12.308		4,300	775		5,075	5,875
2040	150 GPM, 3 HP, 3" discharge		1.10	14.545		4,300	915		5,215	6,100
2050	200 GPM, 3 HP, 3" discharge		1	16		4,550	1,000		5,550	6,525
2060	300 GPM, 10 HP, 4" discharge	Q-2	1.20	20		4,925	1,300		6,225	7,350
2070	500 GPM, 15 HP, 5" discharge		1.10	21.818		5,600	1,425		7,025	8,275
2080	800 GPM, 20 HP, 6" discharge		1	24		6,625	1,575		8,200	9,600
2090	1,000 GPM, 30 HP, 6" discharge		.85	28.235		7,250	1,850		9,100	10,700
2100	1,600 GPM, 50 HP, 8" discharge		.72	33.333		11,300	2,175		13,475	15,800
2110	2,000 GPM, 60 HP, 8" discharge	Q-3	.85	37.647		11,600	2,500		14,100	16,500
2202	For general purpose float switch, copper coated float, add	Q-1	5	3.200		120	201		321	430

22 14 29.16 Submersible Sump Pumps

0010	SUBMERSIBLE SUMP PUMPS									
7000	Sump pump, automatic									
7100	Plastic, 1-1/4" discharge, 1/4 HP	1 Plum	6.40	1.250	Ea.	173	87.50		260.50	320
7140	1/3 HP		6	1.333		229	93		322	390
7160	1/2 HP		5.40	1.481		249	103		352	430
7180	1-1/2" discharge, 1/2 HP		5.20	1.538		350	107		457	545
7500	Cast iron, 1-1/4" discharge, 1/4 HP		6	1.333		285	93		378	455
7540	1/3 HP		6	1.333		286	93		379	455
7560	1/2 HP		5	1.600		345	112		457	545

22 31 Domestic Water Softeners

22 31 13 – Residential Domestic Water Softeners

22 31 13.10 Residential Water Softeners

0010	RESIDENTIAL WATER SOFTENERS									
7350	Water softener, automatic, to 30 grains per gallon	2 Plum	5	3.200	Ea.	575	223		798	965
7400	To 100 grains per gallon	"	4	4	"	945	279		1,224	1,475

22 31 16 – Commercial Domestic Water Softeners

22 31 16.10 Water Softeners

0010	WATER SOFTENERS									
5800	Softener systems, automatic, intermediate sizes									
5820	available, may be used in multiples.									
6000	Hardness capacity between regenerations and flow									
6100	150,000 grains, 37 GPM cont., 51 GPM peak	Q-1	1.20	13.333	Ea.	5,825	840		6,665	7,650
6200	300,000 grains, 81 GPM cont., 113 GPM peak		1	16		7,675	1,000		8,675	9,950
6300	750,000 grains, 160 GPM cont., 230 GPM peak		.80	20		11,100	1,250		12,350	14,100
6400	900,000 grains, 185 GPM cont., 270 GPM peak		.70	22.857		17,900	1,425		19,325	21,900