

22 13 Facility Sanitary Sewerage

22 13 19 – Sanitary Waste Piping Specialties

22 13 19.13 Sanitary Drains		Crew	Daily Output	Labor-Hours	Unit	Material	2022 Bare Costs		Total	Total Incl O&P
							Labor	Equipment		
2120	With polished bronze top				Ea.	475			475	525
2400	Heavy duty, with sediment bucket, CI, 12" diam. loose grate									
2420	2", 3", 4", 5", and 6" pipe size	Q-1	9	1.778	Ea.	1,150	112		1,262	1,450
2460	With polished bronze top				"	1,700			1,700	1,875
2500	Heavy duty, cleanout & trap w/bucket, CI, 15" top									
2540	2", 3", and 4" pipe size	Q-1	6	2.667	Ea.	7,475	168		7,643	8,475
2560	For galvanized body, add				"	3,025			3,025	3,325
2580	With polished bronze top				Ea.	12,100			12,100	13,300

22 13 23 – Sanitary Waste Interceptors

22 13 23.10 Interceptors

0010	INTERCEPTORS									
0150	Grease, fabricated steel, 4 GPM, 8 lb. fat capacity	1 Plum	4	2	Ea.	1,850	140		1,990	2,225
0200	7 GPM, 14 lb. fat capacity		4	2		2,475	140		2,615	2,925
1000	10 GPM, 20 lb. fat capacity		4	2		3,025	140		3,165	3,525
1040	15 GPM, 30 lb. fat capacity		4	2		4,325	140		4,465	4,975
1060	20 GPM, 40 lb. fat capacity	↓	3	2.667		5,475	186		5,661	6,300
1120	50 GPM, 100 lb. fat capacity	Q-1	2	8		9,750	505		10,255	11,500
1160	100 GPM, 200 lb. fat capacity	"	2	8	↓	22,800	505		23,305	25,900
1580	For seepage pan, add					7%				
3000	Hair, cast iron, 1-1/4" and 1-1/2" pipe connection	1 Plum	8	1	Ea.	675	70		745	845
3100	For chrome-plated cast iron, add					510			510	560
4000	Oil, fabricated steel, 10 GPM, 2" pipe size	1 Plum	4	2		4,000	140		4,140	4,600
4100	15 GPM, 2" or 3" pipe size		4	2		5,475	140		5,615	6,225
4120	20 GPM, 2" or 3" pipe size	↓	3	2.667		7,225	186		7,411	8,225
4220	100 GPM, 3" pipe size	Q-1	2	8		22,100	505		22,605	25,100
6000	Solids, precious metals recovery, CI, 1-1/4" to 2" pipe	1 Plum	4	2		790	140		930	1,075
6100	Dental lab., large, CI, 1-1/2" to 2" pipe	"	3	2.667	↓	2,750	186		2,936	3,300

22 13 29 – Sanitary Sewerage Pumps

22 13 29.13 Wet-Pit-Mounted, Vertical Sewerage Pumps

0010	WET-PIT-MOUNTED, VERTICAL SEWERAGE PUMPS									
0020	Controls incl. alarm/disconnect panel w/wire. Excavation not included									
0260	Simplex, 9 GPM at 60 PSIG, 91 gal. tank				Ea.	4,025			4,025	4,425
0300	Unit with manway, 26" ID, 18" high					4,475			4,475	4,925
0340	26" ID, 36" high					4,400			4,400	4,825
0380	43" ID, 4' high				↓	4,675			4,675	5,125
3000	Indoor residential type installation									
3020	Simplex, 9 GPM at 60 PSIG, 91 gal. HDPE tank				Ea.	4,050			4,050	4,450

22 13 29.14 Sewage Ejector Pumps

0010	SEWAGE EJECTOR PUMPS, With operating and level controls									
0100	Simplex system incl. tank, cover, pump 15' head									
0500	37 gal. PE tank, 12 GPM, 1/2 HP, 2" discharge	Q-1	3.20	5	Ea.	555	315		870	1,075
0510	3" discharge		3.10	5.161		590	325		915	1,125
0530	87 GPM, .7 HP, 2" discharge		3.20	5		855	315		1,170	1,400
0540	3" discharge		3.10	5.161		925	325		1,250	1,500
0600	45 gal. coated stl. tank, 12 GPM, 1/2 HP, 2" discharge	↓	3	5.333	↓	995	335		1,330	1,600
0610	3" discharge	Q-1	2.90	5.517	Ea.	1,025	345		1,370	1,675
0630	87 GPM, .7 HP, 2" discharge		3	5.333		1,275	335		1,610	1,900
0640	3" discharge		2.90	5.517		1,350	345		1,695	2,000
0660	134 GPM, 1 HP, 2" discharge		2.80	5.714		1,375	360		1,735	2,050
0680	3" discharge		2.70	5.926		1,450	370		1,820	2,150
0700	70 gal. PE tank, 12 GPM, 1/2 HP, 2" discharge	↓	2.60	6.154	↓	1,075	385		1,460	1,750