

33 21 Water Supply Wells

33 21 13 – Public Water Supply Wells

33 21 13.20 Water Supply Wells, Pumps		Crew	Daily Output	Labor-Hours	Unit	Material	2007 Bare Costs		Total	Total Incl O&P
							Labor	Equipment		
0010	WATER SUPPLY WELLS, PUMPS with pressure control									
1000	Deep well, jet, 42 gal. galvanized tank									
1040	3/4 HP	1 Plum	.80	10	Ea.	635	450		1,085	1,375
3000	Shallow well, jet, 30 gal. galvanized tank									
3040	1/2 HP	1 Plum	2	4	Ea.	435	179		614	745

33 31 Sanitary Utility Sewerage Piping

33 31 13 – Public Sanitary Utility Sewerage Piping

33 31 13.13 Sewage Collection, Vent Cast Iron Pipe

33 31 13.13 SEWAGE COLLECTION, VENT CAST IRON PIPE										
0010	SEWAGE COLLECTION, VENT CAST IRON PIPE									
0020	Not including excavation or backfill									
2022	Sewage vent cast iron, B & S, 4" diameter	Q-1	66	.242	L.F.	9.05	9.80		18.85	24.50
2024	5" diameter	Q-2	88	.273		12.85	11.40		24.25	31.50
2026	6" diameter	"	84	.286		15.50	11.95		27.45	35
2028	8" diameter	Q-3	70	.457		25	19.50		44.50	56.50
2030	10" diameter		66	.485		41	20.50		61.50	76
2032	12" diameter		57	.561		59	24		83	101
2034	15" diameter		49	.653		85.50	28		113.50	136
8001	Fittings, bends and elbows									
8110	4" diameter	Q-1	13	1.231	Ea.	29.50	49.50		79	107
8112	5" diameter	Q-2	18	1.333		42	56		98	131
8114	6" diameter	"	17	1.412		50.50	59		109.50	145
8116	8" diameter	Q-3	11	2.909		144	124		268	345
8118	10" diameter		10	3.200		195	137		332	420
8120	12" diameter		9	3.556		285	152		437	545
8122	15" diameter		7	4.571		835	195		1,030	1,225
8500	Wyes and tees									
8510	4" diameter	Q-1	8	2	Ea.	47.50	80.50		128	174
8512	5" diameter	Q-2	12	2		78.50	83.50		162	213
8514	6" diameter	"	11	2.182		101	91		192	248
8516	8" diameter	Q-3	7	4.571		242	195		437	560
8518	10" diameter		6	5.333		390	228		618	765
8520	12" diameter		4	8		640	340		980	1,225
8522	15" diameter		3	10.667		1,275	455		1,730	2,075

33 31 13.15 Sewage Collection, Concrete Pipe

33 31 13.15 SEWAGE COLLECTION, CONCRETE PIPE										
0010	SEWAGE COLLECTION, CONCRETE PIPE									
0020	See 33 41 13.60 for sewage/drainage collection, concrete pipe									

33 31 13.20 Sewage Collection, Plastic Pipe

33 31 13.20 SEWAGE COLLECTION, PLASTIC PIPE										
0010	SEWAGE COLLECTION, PLASTIC PIPE									
0020	Not including excavation & backfill									
3000	Piping, HDPE Corrugated Type S with watertight gaskets, 4" diameter	B-20	425	.056	L.F.	1.04	1.84		2.88	4
3020	6" diameter		400	.060		2.37	1.95		4.32	5.65
3040	8" diameter		380	.063		4.53	2.05		6.58	8.20
3060	10" diameter		370	.065		6.25	2.11		8.36	10.20
3080	12" diameter		340	.071		8.50	2.29		10.79	12.90
3100	15" diameter		300	.080		11.60	2.60		14.20	16.80
3120	18" diameter	B-21	275	.102		16.50	3.42	.59	20.51	24
3140	24" diameter		250	.112		25.50	3.76	.65	29.91	34.50
3160	30" diameter		200	.140		40.50	4.70	.82	46.02	52.50
3180	36" diameter		180	.156		51.50	5.20	.91	57.61	65.50