

33 16 Water Utility Storage Tanks

33 16 36 – Ground-Level Reinforced Concrete Water Storage Tanks

33 16 36.16 Prestressed Conc. Water Storage Tanks		Daily Crew	Labor- Output	Hours	Unit	Material	2022 Bare Costs		Total	Total Incl O&P
					Ea.		Labor	Equipment		
0700	6,000,000 gallons								2,266,000	2,493,000
0750	8,000,000 gallons								2,924,000	3,216,000
0800	10,000,000 gallons								3,533,000	3,886,000

33 16 56 – Ground-Level Plastic Water Storage Cisterns

33 16 56.23 Plastic-Coated Fabric Pillow Water Tanks

0010 PLASTIC-COATED FABRIC PILLOW WATER TANKS										
7000	Water tanks, vinyl coated fabric pillow tanks, freestanding, 5,000 gallons	4 Clab	4	8	Ea.	3,175	365		3,540	4,050
7100	Supporting embankment not included, 25,000 gallons	6 Clab	2	24		11,000	1,100		12,100	13,700
7200	50,000 gallons	8 Clab	1.50	42.667		16,900	1,950		18,850	21,500
7300	100,000 gallons	9 Clab	.90	80		30,200	3,650		33,850	38,700
7400	150,000 gallons		.50	144		35,700	6,575		42,275	49,100
7500	200,000 gallons		.40	180		57,500	8,200		65,700	75,500
7600	250,000 gallons		.30	240		71,500	10,900		82,400	95,500

33 31 Sanitary Sewerage Piping

33 31 11 – Public Sanitary Sewerage Gravity Piping

3416	16" diameter	B-21	80	.350	L.F.	237	18.40	2.17	257.57	290
3418	18" diameter	B-138	80	.700		415	34.50	28.50	478	540
3420	20" diameter		60	.933		450	46.50	38	534.50	605
3424	24" diameter		60	.933		610	46.50	38	694.50	780
3436	36" diameter		40	1.400		950	69.50	56.50	1,076	1,225

33 31 11.25 Sewage Collection, Polyvinyl Chloride Pipe

0010 SEWAGE COLLECTION, POLYVINYL CHLORIDE PIPE										
0020	Not including excavation or backfill									
2000	20' lengths, SDR 35, B&S, 4" diameter	B-20	375	.064	L.F.	2.21	3.24		5.45	7.30
2040	6" diameter		350	.069		4.26	3.48		7.74	9.90
2080	13' lengths, SDR 35, B&S, 8" diameter		335	.072		12.70	3.63		16.33	19.40
2120	10" diameter	B-21	330	.085		12.05	4.46	.53	17.04	20.50
2160	12" diameter		320	.088		16.95	4.59	.54	22.08	26
2170	14" diameter		280	.100		23.50	5.25	.62	29.37	34
2200	15" diameter		240	.117		28.50	6.15	.72	35.37	41.50
2250	16" diameter		220	.127		34.50	6.70	.79	41.99	49
4000	Piping, DWV PVC, no exc./bkfill., 10' L, Sch 40, 4" diameter	B-20	375	.064		8.55	3.24		11.79	14.25
4010	6" diameter		350	.069		20.50	3.48		23.98	27.50
4020	8" diameter		335	.072		32.50	3.63		36.13	41.50

33 31 11.37 Centrif. Cst. Fbgs-Reinf. Polymer Mort. Util. Pipe

0010 CENTRIF. CST. FBGS-REINF. POLYMER MORT. UTIL. PIPE										
0020	Not including excavation or backfill									
3348	48" diameter, SN 46, 25psi	B-138	40	1.400	L.F.	196	69.50	56.50	322	380
3354	54" diameter		40	1.400		320	69.50	56.50	446	515
3363	63" diameter		20	2.800		395	139	113	647	765
3418	18" diameter, 100psi		60	.933		139	46.50	38	223.50	264
3424	24" diameter		60	.933		153	46.50	38	237.50	279
3436	36" diameter		40	1.400		173	69.50	56.50	299	355
3444	44" diameter		40	1.400		190	69.50	56.50	316	375
3448	48" diameter		40	1.400		212	69.50	56.50	338	400