

33 12 Water Utility Distribution Equipment

33 12 13 – Water Service Connections

33 12 13.15 Tapping, Crosses and Sleeves		Crew	Daily Output	Labor-Hours	Unit	Material	2007 Bare Costs		Total	Total Incl O&P
							Labor	Equipment		
0010	TAPPING, CROSSES AND SLEEVES									
4000	Drill and tap pressurized main (labor only)									
4100	6" main, 1" to 2" service	Q-1	3	5.333	Ea.		142		142	233
4150	8" main, 1" to 2" service	"	2.75	5.818	"		155		155	255
4500	Tap and insert gate valve									
4600	8" main, 4" branch	B-21	3.20	8.750	Ea.		180	51	231	360
4650	6" branch		2.70	10.370			213	60.50	273.50	425
4700	10" Main, 4" branch		2.70	10.370			213	60.50	273.50	425
4750	6" branch		2.35	11.915			244	69.50	313.50	490
4800	12" main, 6" branch		2.35	11.915			244	69.50	313.50	490

33 12 19 – Water Utility Distribution Fire Hydrants

33 12 19.40 Utility Boxes

0010	UTILITY BOXES Precast concrete, 6" thick									
0050	5' x 10' x 6' high, I.D.	B-13	2	24	Ea.	1,725	490	370	2,585	3,125
0350	Hand hole, precast concrete, 1-1/2" thick									
0400	1'-0" x 2'-0" x 1'-9", I.D., light duty	B-1	4	6	Ea.	292	116		408	515
0450	4'-6" x 3'-2" x 2'-0", O.D., heavy duty	B-6	3	8	"	895	168	81	1,144	1,350

33 21 Water Supply Wells

33 21 13 – Public Water Supply Wells

33 21 13.10 Wells and Accessories

0010	WELLS & ACCESSORIES , domestic									
0100	Drilled, 4" to 6" diameter	B-23	120	.333	L.F.		6.35	30.50	36.85	45
1500	Pumps, installed in wells to 100' deep, 4" submersible									
1520	3/4 H.P.	Q-1	2.66	6.015	Ea.	435	160		595	740
1600	1 H.P.	"	2.29	6.987	"	455	186		641	810

33 31 Sanitary Utility Sewerage Piping

33 31 13 – Public Sanitary Utility Sewerage Piping

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 13.25 Sewage Collection, Polyvinyl Chloride Pipe

0010	SEWAGE COLLECTION, POLYVINYL CHLORIDE PIPE									
0020	Not including excavation or backfill									
2000	10' lengths, S.D.R. 35, B&S, 4" diameter	B-20	375	.064	L.F.	2.33	1.24		3.57	4.66
2040	6" diameter		350	.069		4.35	1.33		5.68	7.05
2080	8" diameter		335	.072		9.05	1.39		10.44	12.30
2120	10" diameter	B-21	330	.085		14.30	1.74	.50	16.54	19.25
4000	Piping, DWV PVC, no exc/bkfill, 10' L, Sch 40, 4" dia	B-20	375	.064		3.08	1.24		4.32	5.50
4010	6" dia		350	.069		6.30	1.33		7.63	9.20
4020	8" dia		335	.072		12.55	1.39		13.94	16.15