

33 14 Water Utility Transmission and Distribution

33 14 13 – Public Water Utility Distribution Piping

33 14 13.15 Water Supply, Ductile Iron Pipe		Daily Crew	Labor- Output	Hours	Unit	Material	2022 Bare Costs		Total	Total Incl O&P
							Labor	Equipment		
3060	10" diameter	B-21	181.82	.154	LF.	51	8.10	.95	60.05	69.50
3080	12" diameter		160	.175		54	9.20	1.08	64.28	74.50
3100	14" diameter		133.33	.210		54	11.05	1.30	66.35	77.50
3120	16" diameter		114.29	.245		57.50	12.85	1.52	71.87	84.00
3140	18" diameter		100	.280		64	14.70	1.73	80.43	94.00
3160	20" diameter		88.89	.315		66.50	16.55	1.95	85.00	99.50
3180	24" diameter	↓	76.92	.364	↓	92.50	19.10	2.25	113.85	133.00
8000	Piping, fittings, mechanical joint, AWWA C110									
8006	90° bend, 4" diameter	B-20	16	1.500	Ea.	216	76		292	350
8020	6" diameter	"	12.80	1.875		365	95		460	540
8040	8" diameter	B-21	10.67	2.624		545	138	16.25	699.25	825
8060	10" diameter		11.43	2.450		915	129	15.15	1,059.15	1,200
8080	12" diameter	↓	10.53	2.659	↓	1,450	140	16.45	1,606.45	1,825
8100	14" diameter	B-21	10	2.800	Ea.	1,550	147	17.35	1,714.35	1,950
8120	16" diameter		7.27	3.851		2,325	202	24	2,551	2,875
8140	18" diameter		6.90	4.058		3,275	213	25	3,513	3,950
8160	20" diameter		5.71	4.904		4,075	257	30.50	4,362.50	4,925
8180	24" diameter	↓	4.70	5.957		6,200	315	37	6,552	7,300
8200	Wye or tee, 4" diameter	B-20	10.67	2.249		550	114		664	775
8220	6" diameter	"	8.53	2.814		745	143		888	1,025
8240	8" diameter	B-21	7.11	3.938		1,150	207	24.50	1,381.50	1,600
8260	10" diameter		7.62	3.675		785	193	23	1,001	1,175
8280	12" diameter		7.02	3.989		2,200	209	24.50	2,433.50	2,775
8300	14" diameter		6.67	4.198		2,625	220	26	2,871	3,250
8320	16" diameter		4.85	5.773		3,025	305	35.50	3,365.50	3,825
8340	18" diameter		4.60	6.087		5,325	320	37.50	5,682.50	6,375
8360	20" diameter		3.81	7.349		7,775	385	45.50	8,205.50	9,175
8380	24" diameter	↓	3.14	8.917		10,700	470	55	11,225	12,600
8450	Decreaser, 6" x 4" diameter	B-20	14.22	1.688		268	85.50		353.50	425
8460	8" x 6" diameter	B-21	11.64	2.406		400	126	14.90	540.90	645
8470	10" x 6" diameter		13.33	2.101		505	110	13	628	735
8480	12" x 6" diameter		12.70	2.205		710	116	13.65	839.65	975
8490	16" x 6" diameter		10	2.800		1,150	147	17.35	1,314.35	1,525
8500	20" x 6" diameter	↓	8.42	3.325	↓	2,075	175	20.50	2,270.50	2,575
8550	Piping, butterfly valves, cast iron									
8560	4" diameter	B-20	6	4	Ea.	640	203		843	1,000
8570	6" diameter	"	5	4.800		875	243		1,118	1,325
8580	8" diameter	B-21	4	7		1,125	370	43.50	1,538.50	1,850
8590	10" diameter		3.50	8		1,575	420	49.50	2,044.50	2,425
8600	12" diameter		3	9.333		2,175	490	58	2,723	3,200
8610	14" diameter		2	14		4,075	735	86.50	4,896.50	5,675
8620	16" diameter	↓	2	14	↓	6,375	735	86.50	7,196.50	8,225

33 14 13.25 Water Supply, Polyvinyl Chloride Pipe

0010	WATER SUPPLY, POLYVINYL CHLORIDE PIPE									
0020	Not including excavation or backfill, unless specified									
2100	PVC pipe, Class 150, 1-1/2" diameter	Q-1A	750	.013	LF.	.80	.94		1.74	2.20
2120	2" diameter		686	.015		.81	1.02		1.83	2.40
2140	2-1/2" diameter	↓	500	.020		1.18	1.40		2.58	3.30
2160	3" diameter	B-20	430	.056	↓	1.77	2.83		4.60	6.20
3010	AWWA C905, PR 100, DR 25									
3030	14" diameter	B-21	213	.131	LF.	14.85	6.90	.81	22.56	27.50
3040	16" diameter	↓	200	.140	↓	20.50	7.35	.87	28.72	34.50