

# 33 14 Water Utility Transmission and Distribution

## 33 14 19 – Valves and Hydrants for Water Utility Service

33 14 19.30 Fire Hydrants		Daily Crew	Labor-Output	Hours	Unit	Material	2022 Bare Costs		Total	Total Incl O&P
							Labor	Equipment		
0010	<b>FIRE HYDRANTS</b>									
0020	Mechanical joints unless otherwise noted									
1000	Fire hydrants, two way; excavation and backfill not incl.									
1100	4-1/2" valve size, depth 2'-0"	B-21	10	2.800	Ea.	3,075	147	17.35	3,239.35	3,65
1120	2'-6"		10	2.800		3,075	147	17.35	3,239.35	3,65
1140	3'-0"		10	2.800		3,200	147	17.35	3,364.35	3,77
1300	7'-0"		6	4.667		3,675	245	29	3,949	4,45
2400	Lower barrel extensions with stems, 1'-0"	B-20	14	1.714		655	87		742	85
2480	3'-0"	"	12	2		1,375	101		1,476	1,65

# 33 16 Water Utility Storage Tanks

## 33 16 11 – Elevated Composite Water Storage Tanks

### 33 16 11.50 Elevated Water Storage Tanks

0010	<b>ELEVATED WATER STORAGE TANKS</b>									
0011	Not incl. pipe, pumps or foundation									
3000	Elevated water tanks, 100' to bottom capacity line, incl. painting									
3010	50,000 gallons				Ea.				185,000	204,00
3300	100,000 gallons								280,000	307,50
3400	250,000 gallons								751,500	826,50
3600	500,000 gallons								1,336,000	1,470,00
3700	750,000 gallons								1,622,000	1,783,50
3900	1,000,000 gallons								2,322,000	2,556,00

## 33 16 23 – Ground-Level Steel Water Storage Tanks

### 33 16 23.13 Steel Water Storage Tanks

0010	<b>STEEL WATER STORAGE TANKS</b>									
0910	Steel, ground level, ht./diam. less than 1, not incl. fdn., 100,000 gallons				Ea.				202,000	244,50
1000	250,000 gallons								295,500	324,00
1200	500,000 gallons								417,000	458,50
1250	750,000 gallons								538,000	591,50
1300	1,000,000 gallons								558,000	725,50
1500	2,000,000 gallons								1,043,000	1,148,00
1600	4,000,000 gallons								2,121,000	2,333,00
1800	6,000,000 gallons								3,095,000	3,405,00
1850	8,000,000 gallons								4,068,000	4,475,00
1910	10,000,000 gallons								5,050,000	5,554,50
2100	Steel standpipes, ht./diam. more than 1,100' to overflow, no fdn.									
2200	500,000 gallons				Ea.				546,500	600,50
2400	750,000 gallons								722,500	794,50
2500	1,000,000 gallons								1,060,500	1,167,00
2700	1,500,000 gallons								1,749,000	1,923,00
2800	2,000,000 gallons								2,327,000	2,559,00

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

### 33 16 36.16 Prestressed Conc. Water Storage Tanks

0010	<b>PRESTRESSED CONC. WATER STORAGE TANKS</b>									
0020	Not including fdn., pipe or pumps, 250,000 gallons				Ea.				299,000	329,50
0100	500,000 gallons								487,000	536,00
0300	1,000,000 gallons								707,000	807,50
0400	2,000,000 gallons								1,072,000	1,179,00
0600	4,000,000 gallons								1,706,000	1,877,00