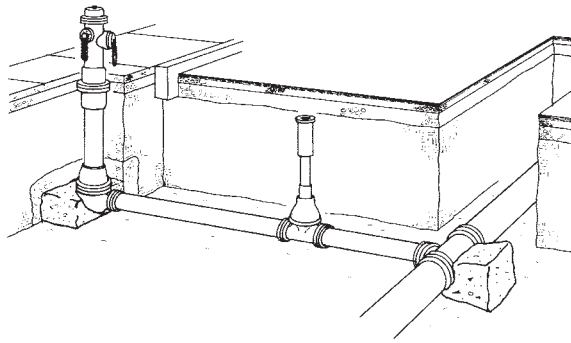


G30 Site Mechanical Utilities

G3010 Water Supply



The Fire Hydrant Systems include: four different hydrants with three different lengths of offsets, at several depths of trenching. Excavation and backfill is included with each system as well as thrust blocks as necessary and pipe bedding. Finally spreading of excess material and fine grading complete the components.

System Components	QUANTITY	UNIT	COST PER EACH		
			MAT.	INST.	TOTAL
SYSTEM G3010 410 1500					
HYDRANT, 4-1/2" VALVE SIZE, TWO WAY, 10' OFFSET, 2' DEEP					
Excavation, trench, 1 C.Y. hydraulic backhoe	3.556	C.Y.		19.20	19.20
Sleeve, 12" x 6"	1.000	Ea.	970	75.65	1,045.65
Offset pipe, 6", CL, 250, ductile iron	8.000	L.F.	84	63.20	147.20
Gate valve, 6"	1.000	Ea.	375	68.20	443.20
Gate box	1.000	Ea.	145	50	195
Hydrant, incl. lower barrel and shoe	1.000	Ea.	795	136.35	931.35
Thrust blocks, at valve, shoe and sleeve	1.600	C.Y.	174.40	211.98	386.38
Borrow, crushed stone, 3/8"	4.089	C.Y.	55.80	20.52	76.32
Backfill and compact, dozer, air tamped	4.089	C.Y.		31.11	31.11
Spread excess excavated material	.204	C.Y.		5.41	5.41
Fine grade, hand	400.000	S.F.		171.50	171.50
TOTAL			2,599.20	853.12	3,452.32

G3010 410		Fire Hydrants	COST PER EACH		
			MAT.	INST.	TOTAL
1000	Hydrant, 4-1/2" valve size, two way, 0' offset, 2' deep		2,525	560	3,085
1100	4' deep		2,700	560	3,260
1200	6' deep		2,650	625	3,275
1300	8' deep		2,825	660	3,485
1400	10' deep		2,900	705	3,605
1500	10' offset, 2' deep		2,600	855	3,455
1600	4' deep		2,800	990	3,790
1700	6' deep		2,750	1,300	4,050
1800	8' deep		2,900	1,725	4,625
1900	10' deep		2,975	2,625	5,600
2000	20' offset, 2' deep		2,700	1,150	3,850
2100	4' deep		2,900	1,400	4,300
2200	6' deep		2,850	1,850	4,700
2300	8' deep		3,025	2,450	5,475
2400	10' deep		3,100	3,275	6,375
2500	Hydrant, 4-1/2" valve size, three way, 0' offset, 2' deep		2,575	575	3,150
2600	4' deep		2,775	575	3,350
2700	6' deep		2,725	635	3,360
2800	8' deep		2,900	675	3,575
2900	10' deep		2,975	725	3,700
3000	10' offset, 2' deep		2,650	865	3,515
3100	4' deep		2,875	1,000	3,875
3200	6' deep		2,800	1,300	4,100
3300	8' deep		3,000	1,750	4,750