

TABLE 1. - WATERMAIN EXTENSION AVERY HILL TRAILER PARK TO ALJEN HEIGHTS

Construction Costs		Phase 1 Avery Hill Road - Avery Hill Trailer Park to Town line		Phase 2 Aljen Heights Subdivision		Phase 3 Route 117 to Route 12 Interconnection		Phase 4 Route 117 to Route 12 Interconnector to Aljen Heights Extension		Total Project	
Watermain											
16" D.I. Pipe	\$ 105 l.f.	0 l.f.	-	0 l.f.	-	15,400 l.f.	1,617,000	5,500 l.f.	577,500	20,900 l.f.	2,194,500
12" D.I. Pipe	80 l.f.	6,600 l.f.	528,000	6,150 l.f.	492,000	475 l.f.	38,000	- l.f.	-	13,225 l.f.	1,058,000
8" D.I. Pipe	60 l.f.	2,575 l.f.	154,500	8,750 l.f.	525,000	- l.f.	-	- l.f.	-	11,325 l.f.	679,500
16" Gate Valves and Boxes	2,850	- each	-	- each	-	35 each	99,750	15 each	42,750	50 each	142,500
12" Gate Valves and Boxes	2,000 each	18 each	36,000	25 each	50,000	- each	-	- each	-	43 each	86,000
8" Gate Valves and Boxes	1,750 each	4 each	7,000	30 each	52,500	- each	-	- each	-	34 each	59,500
Connection 16" Main	3,500 each	- each	-	- each	-	2 each	7,000	1 each	3,500	3	10,500
Connection 12" Main	2,500 each	1 each	2,500	2 each	5,000	2 each	5,000	1 each	2,500	6 each	15,000
Connection 8" Main	1,500 each	- each	-	- each	-	- each	-	- each	-	- each	-
Hydrant Assembly Completion	4,000 each	20 each	80,000	40 each	160,000	30 each	120,000	10 each	40,000	100 each	400,000
1" Services, Complete	1,250 each	85 each	106,250	195 each	243,750	54 each	67,500	25 each	31,250	359 each	448,750
Excavation Above Normal Grade	8 c.y.	250 c.y.	2,000	400 c.y.	3,200	425 c.y.	3,400	150 c.y.	1,200	1,225 c.y.	9,800
Excavation Below Normal Grade	10 c.y.	275 c.y.	2,750	425 c.y.	4,250	450 c.y.	4,500	175 c.y.	1,750	1,325 c.y.	13,250
Rock Excavation and Disposal	50 c.y.	1,200 c.y.	60,000	2,000 c.y.	100,000	2,400 c.y.	120,000	850 c.y.	42,500	6,450 c.y.	322,500
Bank Run Gravel	10 c.y.	975 c.y.	9,750	1,600 c.y.	16,000	1,900 c.y.	19,000	650 c.y.	6,500	5,125 c.y.	51,250
Crushed Stone	12 c.y.	275 c.y.	3,300	425 c.y.	5,100	450 c.y.	5,400	175 c.y.	2,100	1,325 c.y.	15,900
Processed Gravel	12 c.y.	500 c.y.	6,000	800 c.y.	9,600	950 c.y.	11,400	350 c.y.	4,200	2,600 c.y.	31,200
Temporary Pavement	12 s.y.	5,000 s.y.	60,000	8,700 s.y.	104,400	8,200 s.y.	98,400	3,000 s.y.	36,000	24,900 s.y.	298,800
Permanent Pavement-Town	20 s.y.	7,000 s.y.	140,000	12,000 s.y.	240,000	- s.y.	-	4,100 s.y.	82,000	23,100 s.y.	462,000
Permanent Pavement-State ROW	45 s.y.	-	-	-	-	11,500 s.y.	517,500	- s.y.	-	11,500	517,500
Additional Fittings	2 lb.	2,000 lb.	4,000	2,000 lb.	4,000	2,000 lb.	4,000	2,000 lb.	4,000	8,000 lb.	16,000
Restrained Joints	75 joint	20 joint	1,500	20 joint	1,500	20 joint	1,500	20 joint	1,500	80 joint	6,000
Safety Signing and Controls	lump sum	1 lump sum	15,000	1 lump sum	15,000	1 lump sum	10,000	1 lump sum	10,000	4 lump sum	50,000
Police Officers for Traffic Control	75 Hours	2,200 Hours	165,000	3,800 Hours	285,000	3,500 Hours	262,500	1,250 Hours	93,750	10,750 Hours	806,250
Other Work											
Pressure Reducing Vault	lump sum	1	50,000	-	-	1	75,000	-	-	2	125,000
Relocate BPS, upgrade pumps, fndtn	lump sum	1	125,000	-	-	-	-	-	-	1	125,000
TOTAL CONSTRUCTION COSTS			\$ 1,558,550		\$ 2,316,300		\$ 3,086,850		\$ 983,000		7,944,700
Other Costs											
Administartion	2.0%		\$ 31,200		\$ 46,300		\$ 61,700		\$ 19,700		\$ 158,900
Engineering Design	4.5%		70,100		104,200		138,900		44,200		357,400
Engineering Construction	3.0%		46,800		69,500		92,600		29,500		238,400
Resident Inspection	4.0%		62,300		92,700		123,500		39,300		317,800
Closing Costs	1.5%		23,400		34,700		46,300		14,700		119,100
Contingencies	10.0%		155,900		231,600		308,700		98,300		794,500
	25.0%		\$ 389,700		\$ 579,000		\$ 771,700		\$ 245,700		\$ 1,986,100
TOTAL COSTS			\$ 1,948,250		\$ 2,895,300		\$ 3,858,550		\$ 1,228,700		\$ 9,930,800
SAY			\$ 1,950,000		\$ 2,900,000		\$ 3,860,000		\$ 1,230,000		\$ 9,950,000