

TOWN OF BETHANY  
 PROPOSED WATER DISTRICT NO. 5  
 OPINION OF PROBABLE COST - TOWN OF BATAVIA O&M

ITEM	DESCRIPTION	UNIT	ESTIMATED QUANTITY	ESTIMATED UNIT PRICE	ESTIMATED TOTAL
1A	Furnish and Install 8" Diameter PVC Water Main	LF	145,000	\$ 63.00	\$ 9,135,000.00
1B	Furnish and Install 8" Diameter HDPE Water Main	LF	4,600	\$ 146.00	\$ 671,600.00
2	Furnish and Install 8" In-Line Gate Valves Complete	EA	161	\$ 3,040.00	\$ 489,440.00
3A	Furnish and Install Short Side Water Service	EA	192	\$ 1,900.00	\$ 364,800.00
3B	Furnish and Install Short Side Water Service With Meter Pit	EA	6	\$ 4,028.00	\$ 24,168.00
4A	Furnish and Install Long Side Water Service	EA	187	\$ 2,550.00	\$ 476,850.00
4B	Furnish and Install Long Side Water Service With Meter Pit	EA	6	\$ 4,120.00	\$ 24,720.00
5	Furnish and Install Hydrant Assemblies	EA	253	\$ 6,550.00	\$ 1,657,150.00
6	200,000 Gallon Water Tank - Aquastore Glass Lined Steel	LS	1	\$ 850,000.00	\$ 850,000.00
7	250,000 Gallon Water Tank - Aquastore Glass Lined Steel	LS	1	\$ 900,000.00	\$ 900,000.00
8	Pump Stations	EA	2	\$ 500,000.00	\$ 1,000,000.00
9	Rock Excavation	CY	1,000	\$ 75.00	\$ 75,000.00
10	Maintenance & Protection of Traffic Including Signs	LS	1	\$ 313,400.00	\$ 313,400.00
11	Mobilization	LS	1	\$ 470,100.00	\$ 470,100.00

**SUBTOTAL = \$ 16,452,228.00**  
**CONTINGENCY (8%) = \$ 1,316,178.24**  
**LEGAL, ENGINEERING, & ADMINISTRATION (17%) = \$ 2,267,596.00**  
**TOTAL (ROUNDED) = \$ 20,040,000.00**

**USDA Grant = \$ -**  
**Net Local Project Cost = \$ 20,040,000.00**  
**Estimated Total Debt Service = \$ 665,726.00**  
**County Payment = \$ 149,490.00**  
**Estimated Local Debt Service = \$ 516,236.00**

**Total EDU's = 482.0**  
**ANNUAL DEBT SERVICE PER UNIT = \$ 1,071.03**

**Annual Town of Batavia Water Cost (\$6.32/1,000 gallons, 60,000 gallons/year) = \$ 376.80**  
**Estimated Yearly Water Cost = \$ 376.80**

**TOTAL ANNUAL UNIT COST = \$ 1,447.83**

TOWN OF BETHANY  
 PROPOSED WATER DISTRICT NO. 5  
 OPINION OF PROBABLE COST - MONROE COUNTY WATER AUTHORITY O&M

ITEM	DESCRIPTION	UNIT	ESTIMATED QUANTITY	ESTIMATED UNIT PRICE	ESTIMATED TOTAL
1A	Furnish and Install 8" Diameter PVC Water Main	LF	145,000	\$ 63.00	\$ 9,135,000.00
1B	Furnish and Install 8" Diameter HDPE Water Main	LF	4,600	\$ 146.00	\$ 671,600.00
2	Furnish and Install 8" In-Line Gate Valves Complete	EA	161	\$ 3,040.00	\$ 489,440.00
3A	Furnish and Install Short Side Water Service	EA	192	\$ 1,900.00	\$ 364,800.00
3B	Furnish and Install Short Side Water Service With Meter Pit	EA	6	\$ 4,028.00	\$ 24,168.00
4A	Furnish and Install Long Side Water Service	EA	187	\$ 2,550.00	\$ 476,850.00
4B	Furnish and Install Long Side Water Service With Meter Pit	EA	6	\$ 4,120.00	\$ 24,720.00
5	Furnish and Install Hydrant Assemblies	EA	253	\$ 6,550.00	\$ 1,657,150.00
6	200,000 Gallon Water Tank - DN Tanks Concrete Tank	LS	1	\$ 1,200,000.00	\$ 1,200,000.00
7	250,000 Gallon Water Tank - DN Tanks Concrete Tank	LS	1	\$ 1,250,000.00	\$ 1,250,000.00
8	Pump Stations	EA	2	\$ 1,500,000.00	\$ 3,000,000.00
9	Rock Excavation	CY	1,000	\$ 75.00	\$ 75,000.00
10	Maintenance & Protection of Traffic Including Signs	LS	1	\$ 367,400.00	\$ 367,400.00
11	Mobilization	LS	1	\$ 551,100.00	\$ 551,100.00

**SUBTOTAL = \$ 19,287,228.00**  
 CONTINGENCY (8%) = \$ 1,542,978.24  
 LEGAL, ENGINEERING, & ADMINISTRATION (17%) = \$ 2,267,596.00  
**TOTAL (ROUNDED) = \$ 23,100,000.00**

USDA Grant = \$ -  
 Net Local Project Cost = \$ 23,100,000.00  
**Estimated Total Debt Service = \$ 767,379.00**  
 County Payment = \$ 149,490.00  
**Estimated Local Debt Service = \$ 617,889.00**

Total EDU's = 482.0  
**ANNUAL DEBT SERVICE PER UNIT = \$ 1,281.93**

Annual MCWA Water Cost (\$3.72/1,000 gallons, 60,000 gallons/year) = \$ 223.20  
 Annual Genesee County Surcharge (\$1.20/1,000 gallons, 60,000 gallons/year) = \$ 72.00  
 Annual MCWA Meter Charge (\$0.23/day) = \$ 83.95  
**Estimated Yearly Water Cost = \$ 379.15**

**TOTAL ANNUAL UNIT COST = \$ 1,661.08**