

T.G. MILLER, P.C.

ENGINEERS AND SURVEYORS

Preliminary Opinion of Probable Construction Cost

8/20/2019

1 - Town of Dryden Sanitary Sewer Infrastructure Improvements

Varna Sanitary Sewer Pump Station

Replace Forcemain and Generator

Item Description	Quantity	Unit	Unit Cost	Sub Total
General Requirements				
Mobilization	1	LS	\$10,000	\$10,000
Maintenance and Protection of Traffic	1	LS	\$2,500	\$2,500

Sewer Distribution System

100 kW Generator and Automatic Transfer Switch	1	EA	\$50,000	\$50,000
Flow Meter	1	EA	\$6,000	\$6,000
New 8" HDPE Forcemain Directional Drilled	1,560	LF	\$100	\$156,000
Connection to Existing Forcemain	2	EA	\$2,500	\$5,000
Bypass Pump Connection	1	LS	\$7,000	\$7,000
Re-program Pump Controller	1	LS	\$5,000	\$5,000
Road Boring and Pipe Casing	1	LS	\$25,000	\$25,000
Abandon Existing Forcemain	1	LS	\$4,500	\$4,500
Bypass Pumping	1	LS	\$5,000	\$5,000
New Gas Service	1	LS		\$0
New Electric Service	1	LS		\$0
Control Cabinet	1	LS		\$0

Site Improvements and Restoration

Lawn Restoration	500	SY	\$10	\$5,000
Asphalt Repair	30	SY	\$110	\$3,300

Construction Total			\$284,300
Professional Services (survey, engineering, attorney, const. admin.)	15%		\$42,645
Construction Contingency	25%		\$71,075
Estimated Total Construction Cost			\$398,020

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2 - Town of Dryden Sanitary Sewer Infrastructure Improvements

Varna Sanitary Sewer Pump Station Upsize Pump Station for Increased Capacity

Item Description	Quantity	Unit	Unit Cost	Sub Total
General Requirements				
Mobilization	1	LS	\$10,000	\$10,000
Maintenance and Protection of Traffic	1	LS	\$2,500	\$2,500

Sewer Distribution System

200 kW Generator and Automatic Transfer Switch	1	EA	\$85,000	\$85,000
Flow Meter	1	EA	\$6,000	\$6,000
New 8" HDPE Forcemain Directional Drilled	1560	LF	\$100	\$156,000
Connection to Existing Forcemain	2	EA	\$2,500	\$5,000
Bypass Pump Connection	1	LS	\$7,000	\$7,000
Road Boring and Pipe Casing	1	LS	\$25,000	\$25,000
Abandon Existing Forcemain	1	LS	\$4,500	\$4,500
Bypass Pumping	1	LS	\$7,500	\$7,500
Submersible Pump and Guide Rails (Upsize from 50hp to 70hp, Reuse Wetwell)	2	EA	\$15,000	\$30,000
New Pump Controller, Cabinet and Soft Starters	1	LS	\$35,000	\$35,000
Upsize Electric Service and Disconnects	1	LS	\$10,000	\$10,000
Remove Old Electric Service and Controls Cabinet	1	LS	\$4,500	\$4,500
Remove Old Pumps and Guide Rails	1	LS	\$4,000	\$4,000
Upsize Gas Service	1	LS	\$1,500	\$1,500

Site Improvements and Restoration

Lawn Restoration	500	SY	\$10	\$5,000
Asphalt Repair	40	SY	\$110	\$4,400

Construction Total		\$402,900
Professional Services (survey, engineering, attorney, const. admin.)	15%	\$60,435
Construction Contingency	25%	\$100,725
Estimated Total Construction Cost		\$564,060

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3 - Town of Dryden Sanitary Sewer Infrastructure Improvements

Upsize Gravity Sewer Main

Forest Home Dr. To 959 Dryden Rd. (Trinitas Site - MH#57)

Item Description	Quantity	Unit	Unit Cost	Sub Total
General Requirements				
Mobilization	1	LS	\$10,000	\$10,000
Maintenance and Protection of Traffic	1	LS	\$2,500	\$2,500

Sewer Distribution System

10" PVC SDR-35 Gravity Main (Remove old Transite Pipe)	2,150	LF	\$250	\$537,500
4' Dia. Manhole Replacement	11	EA	\$5,000	\$55,000
Service Lateral Reconnection	7	EA	\$2,000	\$14,000
Bypass Pumping	1	LS	\$25,000	\$25,000

Site Improvements and Restoration

Lawn Restoration	2,100	SY	\$10	\$21,000
Asphalt Repair	150	SY	\$110	\$16,500

Construction Total				\$681,500
Professional Services (survey, engineering, attorney, const. admin.)		15%		\$102,225
Construction Contingency		25%		\$170,375
Estimated Total Construction Cost				\$954,100

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Town of Dryden - Sewer Infrastructure Improvement Summary

8/20/2019

#	Project Description	Project Cost
1	Varna Sanitary Sewer Pump Station	
	Replace 1,560 LF Forcemain and Generator	\$398,020
2	Varna Sanitary Sewer Pump Station	
	Upsize Pumps and Generator and replace 1,560 LF Forcemain	\$564,060
2a	Difference between #1 and #2	\$166,040
3	Upsize 2,150 LF Gravity Sewer Main	
	Forest Home Dr. To 959 Dryden Rd. (Trinitas Site - MH#57)	\$954,100
Total for Increased Sanitary Capacity (2a+3)		\$1,120,140

Note: Each estimate assumes a 15% professional services fee and 25% construction contingency.