

# T. G. MILLER, P. C.

E N G I N E E R S   A N D   S U R V E Y O R S

605 W. State Street | Ithaca, NY 14850 | phone 607-272-6477 | fax 607-273-6322 | www.tgmillerpc.com

March 17, 2020

Jason Leifer  
Supervisor  
Town of Dryden  
93 East Main Street  
Dryden, New York 13053

RE: Proposal for **Water Main** Study and Engineers Report for EFC Funding  
For Consolidated Water District -Varna Corridor

Dear Supervisor Leifer,

Presented below is our suggested scope of work and budget to complete the Engineer's Report for applying to the Environmental Facilities Corporation (EFC) financial assistance or grant applications.

## General

Based on the water consolidation study and other recent water investigations, the distribution system has been identified to have excessive breaks in portions of the older system along Dryden Road through Varna. In addition, parts of the distribution system are reaching full capacity with limited fire flow capacity. NYSDOT is scheduled to reconstruct Dryden Road through Varna in 2022 and install sidewalks. Some of the distribution system through Varna was originally installed in the 1960's and is reaching the end of its useful life. Some of this older pipe is under the pavement and potentially will be under future walks. In anticipation of the road reconstruction, the section of water main from Freese Rd. (Monkey Run Water Pump Station) to Game Farm Rd. (WV-F2095M) should be further evaluated to determine the need for replacement or upsizing (refer to the Consolidated Sewer District Map). In addition, a segment of 8" water main near the Apple orchard PRV Station at Caldwell Drive (WV-F0720M) to Game Farm Road (WV-F2095M) has been identified as having limit capacity for fire flow and future development and may also warrant a need for replacement. In response, we recommend preparing an Engineer's Report to further study these areas in order to provide recommendations for repairs/replacement and future capacity needs.

The cost of this Engineer's Report will be the responsibility of the Town Consolidated Water District.

## Scope of Work

1. Prepare Engineer's Report per EFC guidance document titled "Engineering Report Outline for New York State Assisted Drinking Water Infrastructure Projects"
  - a. Prepare various cost estimates for repair/replacement options identified.
  - b. Coordinate with the Town Highway and Planning Department staff to determine feasible options and future growth projections.

David A. Herrick, P.E.  
Frank L. Santelli, P.E.  
Andrew J. Sciarabba, P.E.

Donald M. Harner, P.E.  
LEED A.P., C.P.E.S.C.

Lee Dresser, L.S.  
Darrin A. Brock, L.S.

- c. Excludes completing any funding applications, Smart Growth Assessment form or other miscellaneous applications documents for EFC funding.
- d. Includes any technical information needed to in order to complete any questions on the funding applications.
- e. Budget- Professional Services \$3,500

2. Additional services

- a. Assist as needed to complete any additional documents needed for funding applications.

**Schedule**

Assuming authorization to proceed is granted in April, 2020, we can begin our services immediately. We propose completing the project in accordance with the following schedule:

- April -May Complete Engineer's Report

If this proposal is satisfactory, please provide authorization to begin the work. Thank you for this opportunity to continue serving the Town. Feel free to contact me with any questions.

Respectfully,

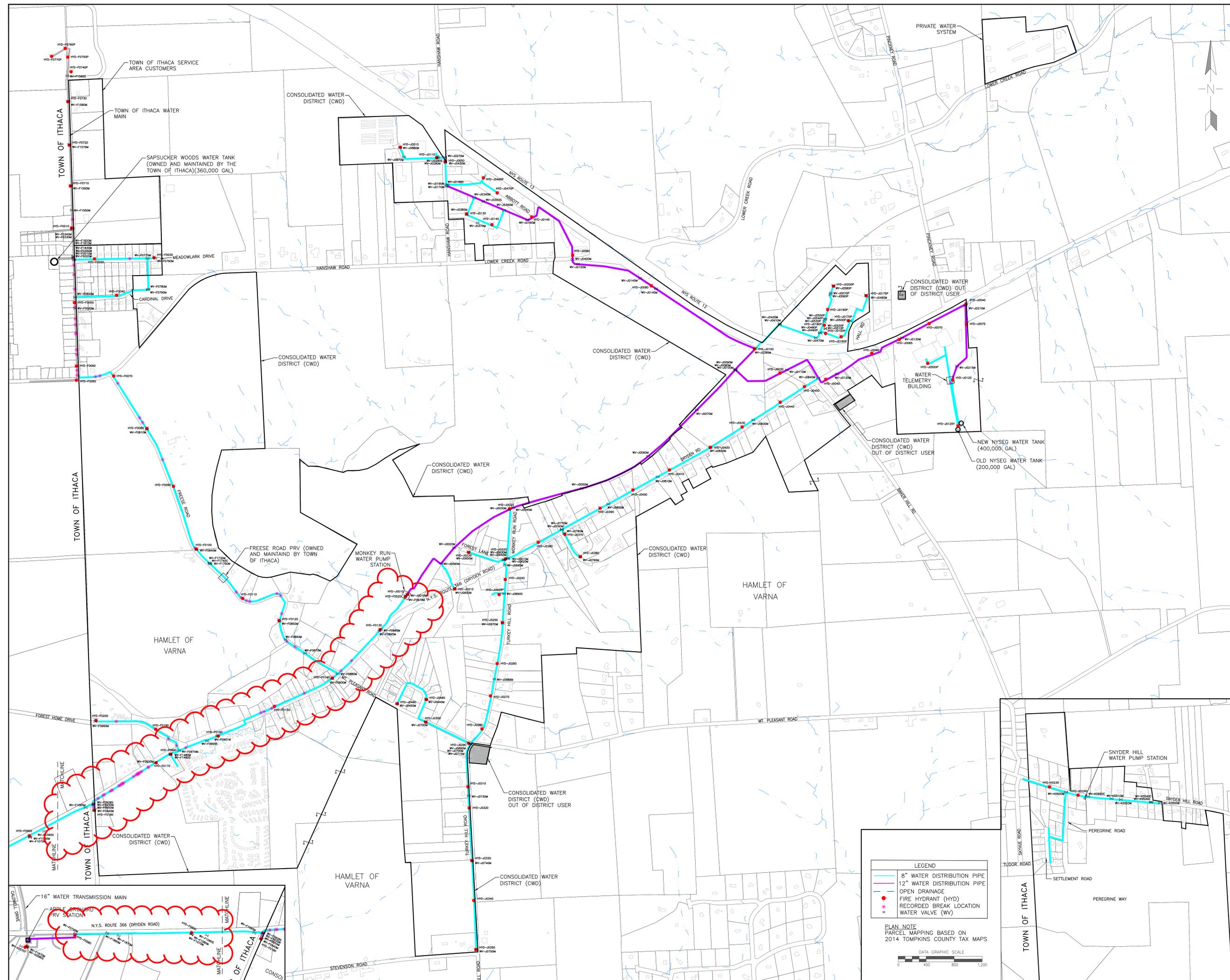


Donald Harner, P.E.

CC: R. Young, Highway Superintendent  
R. Burger, Director of Planning

**TOWN OF DRYDEN  
 WATER SYSTEM MAP**

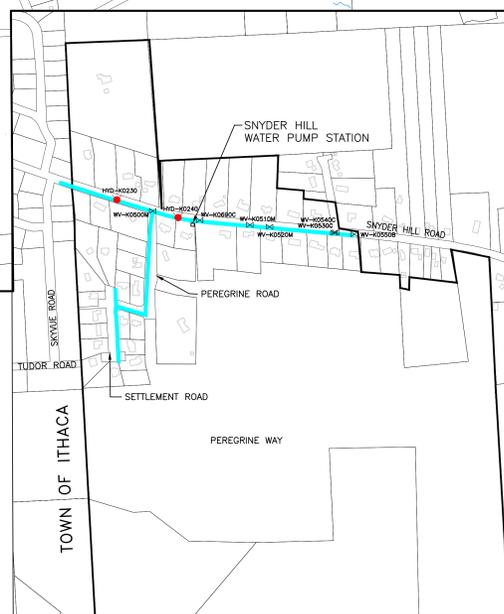
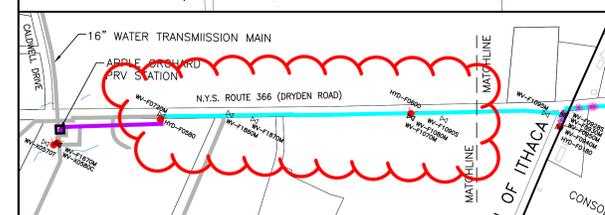
TOWN OF DRYDEN, TOMPKINS COUNTY, NEW YORK



**LEGEND**

- 8" WATER DISTRIBUTION PIPE
- 12" WATER DISTRIBUTION PIPE
- OPEN DRAINAGE
- FIRE HYDRANT (HYD)
- RECORDED BREAK LOCATION
- WATER VALVE (WV)

**PLAN NOTE**  
 PARCEL MAPPING BASED ON  
 2014 TOMPKINS COUNTY TAX MAPS



**CONSOLIDATED WATER DISTRICT**

DATE: 5/1/19	JOB No.:
SCALE: AS SHOWN	E14-02
DRAWN BY: DMH	SHEET:
CHECKED: DAH	<b>10F1</b>

WARNING: ALTERATIONS TO THIS MAP NOT CONFORMING TO SECTION 2409, SUBSECTION 2, NEW YORK STATE EDUCATION LAW. ALL CERTIFICATIONS HEREON ARE VALID FOR THIS MAP AND COPIES THEREOF ONLY IF THIS MAP AND COPIES BEAR THE SEAL OF THE LICENSED PROFESSIONAL ENGINEER WHOSE DIGNATURE APPEARS HEREON.