

AGENDA FOR PUBLIC INFORMATIONAL MEETING

WATER SYSTEM IMPROVEMENTS PROJECT VILLAGE OF MORRIS WATER SYSTEM THURSDAY, JANUARY 22, 2015 – 7:30 PM

1. INTRODUCTION AND WELCOME

2. HISTORY OF WATER SYSTEM (137 Years Old – Started in 1878)

- A. Original Spring [Off North Broad St. (Co. Highway 13)] – Tended to “Dry Up” at Times
- B. Original Storage Reservoir [Off North Broad St. (Co. Highway 13)]
 - 1. About 61,000 Gallon Capacity
 - 2. Below Ground Concrete Tank (HWL = 1319 Ft.)
 - 3. Very Difficult Access to Site, especially during the winter
- C. Original Transmission Main and Distribution System
 - 1. 8-Inch, 6-Inch, 4-Inch Diameter with Some 2-Inch Diameter
 - 2. Average Pressure About 65 PSI
 - 3. Generally “Tight” System
 - 4. No Residential Meters; limited commercial meters
- D. Replacement Spring Developed in 1952 – End of Meadow Lane
 - 1. Only Source of Water Supply (currently)
 - 2. Second Source of Supply (well), poor quality
- E. Pump House on Meadow Lane
 - 1. Two 15 HP Booster Pumps (About 195 GPM Combined)
 - 2. Chlorine for Disinfection and Zinc Orthophosphate for Corrosion Control
 - 3. Master Meter for Flow and Telemeter System for Reservoir Control
- F. Land Purchased for New Storage Tank
 - 1. Off Upper Church Street (from Robert Child)
 - 2. Original site was too small
 - 3. New site located farther up the hill on lands of Robert Child
- G. Current Water Demand around 63,000 gpd

3. WATER CUSTOMERS

- A. About 266 Customers (Residential, Commercial, School, & Fair Grounds)
- B. About 642 People Served
- C. About 320 Equivalent Dwelling Units (EDUs)

4. PROPOSED PROJECT

A. Water Main Replacement (Contract No 1)

1. Replace Existing Water Main on South Broad Street (NYS Highway 23)
 - a. Grove St. to Valve on North Broad St.
2. Replace Existing Water Main on Main Street (NYS Highway 51)
 - a. Broad St. to Fire House
 - b. Calhoun Creek to Liberty St.
 - c. To be done prior to planned DOT projects
3. Replace Existing Water Main on West Street
4. New Water Main from West Street to Highland Ave.
5. Replace Water Main on Water Street
6. Replacement and New Water Main on Church Street from Highland Ave. to Tank Site
7. Approximately 6,053 LF of 6 & 8-Inch Diameter Water Mains and Appurtenances
8. Approximately 70 Water Services Involved
9. Chlorine Contact Main at Meadow Lane Pump House
 - a. 481 LF, 18" Main to provide 30-minute contact time for chlorine prior to distribution
 - b. NYSDOH Requirement

B. Construct New Storage Tank (Contract No 2)

1. Proposed Tank is 165,000 Gallons Nominal (19 Ft. High x 39 Ft. in Diameter)
2. 75,000 Gallons Domestic (Design Avg. Daily Demand) and 90,000 Gallons Fire Flow
3. About 8 PSI Increase in Pressure (HWL = 1338 Ft.)

C. New Water Meters (Contract No 3) for Each Customer

1. Radio-Read style for efficiency
2. Meter-based billing method to be determined by Village Board after about 1 year of data collection.
3. DEC Water Supply Permit requires system-wide Water Service Metering

D. Estimated Project Cost as bid:

1. Contract No 1 – Water Main Construction (unit price)	\$1,098,271.60
2. Contract No 2 – Storage Tank Construction (lump sum)	\$315,900.00
3. Contract No 3 – Service Meter Construction (unit price)	\$269,273.00
4. Contract No 4 – Electrical Construction (lump sum)	<u>\$70,787.00</u>
a. Estimated Construction Total =	\$1,754,231.60

5. FUNDING

A. Rural Development (RD) (agency of U.S. Dept. of Agriculture)

- i. RD Loan = \$1,725,000
- ii. RD Grant = \$750,000
- iii. Estimated User Cost = \$520/year

6. PROJECT SCHEDULE

- A. Contract No 1 – Water Mains, starting March – April
- B. Contract No 2 – Storage Tank, starting March – April
- C. Contract No 3 – Meters, starting immediately
- D. Contract No 4 – Electrical, starting June - July

7. PROJECT BENEFITS

- A. Better Fire Protection with Some Increased Hydrant Flows
- B. Potential for Reduced Fire Insurance Rates
- C. Ensures Abundant Supply of Clean, Safe Drinking Water
- D. Potential Increase in Property Values
- E. Peace of Mind

8. QUESTIONS, COMMENTS, AND CONCERNS

9. CONTACT INFORMATION

Engineer – Lamont Engineers – James Gillespie, Project Manager (518) 234-4028
Village of Morris Village Office – Pete McCann, Village Clerk (607) 263-5400
Village of Morris DPW – Rusty Nichols (607) 263-5556