

VIA E-MAIL/MAIL:

August 6, 2015

Village Board
Village of Wappingers Falls
2582 South Avenue
Wappingers Falls, New York 12590

Attention: Hon. Matt Alexander, Mayor

Reference: 7/29/15 Village Board Workshop Meeting

Dear Mayor Alexander & Trustees:

As presented at the July 29th, 2015 Village Board workshop meeting, the following is the status to date of the projects KC Engineering is working on with the Village:

Reservoir Place Parking Area- CDBG:

The clearing has been completed and a seismograph has been set up to monitor for excess vibrations from rock removal work. The seismograph levels have been well below thresholds set. Rock removal has progressed with a substantial portion of the rock removed for the parking area. The project is currently well within budget and KC will be monitoring the construction and the cost associated with the project. If need be, the number of parking spaces will be reduced to ensure the project remains within the budget of the grant.

Utility Improvements Contract No. 1 Construction:

All sanitary sewer main and laterals were replaced along South Avenue prior to the July 4th Weekend. The contractor then began work on Market Street, where the water main has been installed along lower Market and McKinley Streets. The water main was pressure tested, disinfected and sampled for bacteria. The bacteria samples passed. Both Hydrodynamic Separators have been installed and road reconstruction work has begun along Market Street.

As discussed at previous meetings, a situation occurred where the lateral for the Quiet Man Pub backed up. We met the building owner's plumber and witnessed the video inspection of the sewer lateral. The lateral was observed to have a small piece of the existing cast iron pipe broken on the bottom of the pipe approximated 18" on the Village right-of-way side of the building foundation wall. The lateral was excavated and a connection was made to the new lateral pipe which the building owner's plumber extended through the building foundation wall.

We have been in contact with the Owner of Wagon Wheel Pizza and he has indicated that since recent work has been completed to remedy the issues at the Quiet Man Pub building, his issues with water in his basement have been resolved.

Previously we reported on two instances where the contractor encountered transite pipe, and BSB Construction and Quest, Inc. were contacted to provide the environmental monitoring and to perform the required abatement work necessary to be in compliance with the New York State Department of Labor regulations. Since that time there have been another two instances where transite pipe required their services to be removed. The first being to make the connection to the existing sewer lateral for 2587 South Avenue and then on July 8th, 2015, while excavating for the new water main extending from Market Street down McKinley Street, the contractor came across a 4" clay pipe which was removed during the excavation for the new water main. The clay pipe was dug up from the catch basin in front of 95 Market Street, down McKinley Street, to a point at the back of the 95 Market Street house, at which time it was discovered that it was the lateral for the house.

As the old lateral serving 95 Market Street had previously ran in the same trench and directly above the new water main, the lateral had been removed, the trench backfilled for over 60' in length, and the point of connection to the existing sewer main was not known, the situation required that the existing sewer main located approximately 6' away be tapped and the lateral be connected at that point.

The existing sewer main was transite pipe, therefore, we immediately called BSB Construction and Quest to abate the situation. BSB cored the hole in the sewer main and Merritt Construction reconnected the lateral. This was the fourth instance requiring asbestos abatement. We will be keeping track of the cost and keep the Board apprised of the same. The cost for these four instances of asbestos abatement is such that it will need to be handled as a change order.

EFC has deemed that the additional milling and paving to alleviate some of the detour traffic is ineligible for EFC financing and as such the approximate \$103,000.00 cost will need to be funded by other means.

During the installation of the new water main extending down McKinley Street and in Market Street, heading toward Dutchess Avenue, the existing metal storm sewer pipe was exposed where it was crossed with the new water main. This storm sewer pipe was found to have the entire bottom of the pipe rotted away. This pipe carries a good portion of the Village's stormwater flow and it was necessary to replace the piping before Market Street is reconstructed. Additionally, the existing catch basin in front of 95 Market Street was found to be cracking and in need of being replaced. The additional sections of storm piping were replaced, along with an additional catch basin, which was needed to make the connection into the existing storm water pipe at the Village's right-of-way boundary. During the installation of the catch basin the previously observed corrugated metal storm pipe was found to be connected to a rectangular stone storm channel extending under the property of 97 Market Street, out to the Creek. The stone storm channel was inspected and found to be collapsed and mostly blocked at a point approximately 30 feet further down the stone channel.

The stone channel is located on private property and provisions need to be made to remedy the situation as it receives a significant amount of the Village's stormwater runoff. In its current condition, the storm sewer pipe will not be able to convey tributary flows, and will also likely fail entirely in the future.

To perform the above work, a construction easement would be required from the property owner and a permanent easement should be obtained so the Village can maintain their stormwater outfall to the Creek in the future. The property owner was contacted and appeared willing to allow the

Village to do the work and willing to grant the necessary easements to the Village, however there appears to be some hesitancy from the property owner to having the work now take place. This work would require an easement, a protection of waters permit from the NYSDEC and it has been estimated by the Village's contractor to be approximately \$107,000.00.

An alternate option would be to reroute the stormwater piping to the newly installed Hydrodynamic Separator, near the Highway garage. This stormwater piping is owned by the Village and would not require an easement. This alternate work has been estimated to be approximately \$58,000.00 and the stormwater infrastructure work already completed to replace the failing existing pipe and structure has been estimated to be approximately \$24,000.00.

Central Hudson Gas Main Installation Along East Main Street:

KC has had field personnel present during the installation of the gas main along East Main Street to observe and document the work being completed by Central Hudson's contractor in the vicinity of the newly installed sanitary sewer laterals. The gas main installation work and services have been installed and we have been told that there are a few days of work still necessary to be completed to cap and decommission old gas mains to be abandoned.

Flush Tanks Investigation:

KC has completing the field work to catalog the status all former flush tanks which have been identified. KC is finalizing a detailed report of the findings, which will be forwarded to the Village.

Contract No. 2 - 2016 CWSRF/DWSRF Design:

KC is in the process of design:ng the construction documents, specifications and contract language for the replacement of the water and sewer infrastructure and the reconstruction of the road way, sidewalks and curbing along Dutchess Avenue, Upper Market Street, School Street, along with the School Street Pump Station. The design documents are anticipated to be completed late fall of 2015 and construction will take place in the spring of 2016.

East Main Street:

As previously presented, KC is working with the Village in regard to options to repair the storm sewer and to determine who is responsible for maintenance after any repairs. A letter went to NYSDOT seeking assistance with the replacement of this storm sewer and meeting with William Gorton regional director is set for August 6th, 2015. KC will prepare an estimate of the cost for the storm sewer replacement work and a sketch plan for presentation purposes at the meeting.

The curbing along East Main Street, within the area of the sewer replacement is aging and is significantly worn. This curbing was not contemplated to be replace within this project, however as the road and sidewalks will be new, and if the curbing was to be replaced, the most economical and logical time to complete the work would be prior to the reconstruction of the sidewalks, a budgetary price was obtained from the contractor. The cost for the curb replacement would be approximately \$70,000.00.

Grant Work/Support:

KC provided assistance to the Village with the following grant applications:

- CWSRF -Trunk Sewer Replacement from Route 9/ North Mesier through Veterans Park to the Knights of Columbus Building
- CWSRF- East Main & Imperial Sewer Main Replacement and Village I & I Analysis
- CFA - ESD Bleachery Water Main Loop / Dam Repair
- CFA – NYSDEC GIGP – Oak Park Engineering Inflow Separation
- CFA – NYSDEC WQIP and GIGP – Veterans Park Bio-swale

A grant opportunity has been recently announced by New York State for sewer and water infrastructure projects. The grant will be administered through EFC's CWSRF and DWSRF programs. The application deadline for the program for this year is September 4th, 2015. The program will provide a 25% grant for sewer infrastructure projects with a maximum grant value of 5 million dollars and a 60% grant for water infrastructure projects, with a maximum grant value of 2 million dollars. The current CWSRF/DWSRF project could be modified to use the work to be completed as the match portion of the project in an application for the grants. We have prepared a list of possible projects which could be added to the current CWSRF/DWSRF project, to maximize the grant potential and allow for the completion of other much needed sewer and water infrastructure improvements.

Should you have any questions or comments regarding the above, please do not hesitate to contact this office.

Very truly yours,



Travis Ewald, P.E.

Vice President/Project Manager

TW:law

Attachment

cc: Hon. Jennifer Niznik
Hon. Ronnie Komornik
Hon. Denise Calabrese
Hon. John Chase
Hon. Scott Davis
Hon. Kevin Huber
John Karge
Raj Ravilla, P.E.
Joseph E. Paggi, Jr., P.E.

Project: CWSRF and DWSRF Cost Analysis
 KC Job No.: 4600-060 / 4600-061
 Calculated By: MV
 Date: July 29, 2015

CWSRF and DWSRF Cost Analysis

Village of Wappingers Falls
 Dutchess County, New York

Description	CWSRF Cost	DWSRF Cost
Current	\$ 14.78 M	\$ 3.82 M
<i>POTENTIAL PROJECTS TO ADD OR REMOVE</i>		
1. Park Street (Remove)	\$ - 0.52 M	\$ - 0.28 M
2. South Remsen (Elm Street to Prospect Street)	\$ 1.04 M	\$ 0.38 M
3. North Remsen (High Street to Veteran's Place)	\$ 0.36 M	\$ 0.13 M
4. Route 9 Tank	\$ -	\$ 1.75 M
5. Trunk Line (Mesier through Veteran's Park along Lake under K of C)	\$ 5.20 M	\$ -
6. Village Portion of Tri-Muni Upgrades	\$ 3.53 M	\$ -
7. Flush Tanks	\$ 0.22 M	\$ -
<i>Subtotal</i>	\$ 24.61 M	\$ 5.80 M
Projected Ineligible Amount (Work completed prior to October 2015)	\$ 3.70 M	\$ 1.20 M
POTENTIAL GRANT PROJECT	\$ 20.91 M	\$ 4.60 M
Potential Grant Amount (CWSRF Max = \$ 5.0 M, DWSRF Max = \$ 2.0 M)	\$ 5.00 M	\$ 2.00 M
TOTAL COST AFTER GRANT	\$ 19.61 M	\$ 3.80 M