

Town of East Greenbush
**Capital Improvement Projects
2015**

**Project Status Report and Meeting Agenda Items
From: H. V. LaBarba, PE
Consultant to the Authority
August 12, 2015
Meeting**

I. INFILTRATION AND INFLOW REDUCTION PROJECTS

The projects under this category include sewer lining.

A. Sewer Lining: First Task Cleaning and Internal Inspection

Work under Contract 15-2 for sewer cleaning in Albany Country Estates and Clinton Hts. has been completed. We have reviewed the video inspection reports for over 17,000 feet of sewer. It appears that about 7,000 feet is worthy or in need of lining. Arold Construction has submitted its second payment request for \$19,091.34 (contract amount is \$36,596)

Several tasks remain:

- 1) Remove obstacles from about seven locations so lining can be performed. Intrusive roots balls and laterals should be removed. This task would have to be done by the lining installer, but it may be more cost effective as this stage, since the current contractor is familiar with the required work
- 2) We had to remove one root obstruction during cleaning, since a home owner's lateral was blocked. This cost \$2,000 of which we have an allowance of \$5,000 that can be applied.
- 3) To remove the remaining obstacles we got a price of \$4,500. This amount will put us over the allowance, so a change order would be required. We recommend approving this work at this time.
- 4) We (HVL) are now ready to prepare the bidding and contract documents for the lining stage.
- 5) Using this approach of cleaning and inspection before lining, we have reduced the number of point repairs (digging up the streets and sewer) to maybe three locations. Under the last contract, we had twenty three to dig. Point repairs will be specified in the lining contract. However, there may be one or more emergency fixes when lining is under way.

Actions to be taken:

1. **Recommend Payment** to Arold Construction for the amount of \$19,091.34.
2. **Recommend Payment** to HV LaBarba for the amount of \$4,080.00 for work related to the construction portion and administration to date.
3. Recommend work to proceed and prepare sewer lining bid documents.

II. PUMP STATION PROJECTS

Generator Contract - The work involving emergency backup facilities is underway by Capital Power. There are two sites; Hampton Manor and 3 rd Ave. pump stations where generators are being installed.

Hampton Manor, the generator is in place, we are awaiting National Grid to provide gas service.

'3 rd Ave. the generator is at the site but cannot be place on the existing slab because the old generator is still in use. We need to have gas service available to make the conversion.

Pump Station Rehabilitation Contract 15-2 - Bids were received on June 24, 2015 for the pump station upgrade and rehabilitation work, and the Authority rejected the two bids.

Upon further review of the intended work, we are now recommending a new approach to the pump station rehabilitation work planned.

We had originally looked at and spec'ed new pumps for both sites, made by Sluzer (ABS Pumps) which are cheaper yet recognized as good equipment. Upon detailed measurement of the existing station and pump configuration, piping and valves, it appears that the pumps need to be modified by the pump maker to fit at each station. Apparently this can be done.

Upon further research at the two stations, we find that the original pumps, Wenco at Hampton Manor and Fairbanks- Morse at 3rd Ave can still be bought, and would fit with no alterations. However, these pumps are expensive almost twice the price of ABS pumps, plus the cost does not include controls and panel.

We have also been approached by Captial Power, who is doing the generators and he said he could do the control panel work and installation. This could save the Town money too.

We reexamined the Hideaway station site where we had proposed a new manhole with a debris removal device. We now think the device assembly could be installed in the existing wet well manhole. This could be a great cost saving up to \$30,000.

So at this time we waiting for detailed cost estimates and pricing for the various pumps and alternative control installation. Significant cost savings may be in order if we revise the scope of work. We recommend that we discuss this more in detail at the meeting.

Actions to be taken:

1. Discuss various options, and solicit input from Town operators on suggested pump and equipment changes once details cost estimates are obtained.

2. **Payment of \$2,975.00** to HV LaBarba & Assoc. for ongoing 2015 pump station evaluation and construction oversight with the generator portion of the work.
3. **Payment to Capital Power** in the amounts of : **\$8,727.75** and **\$11,617.00** for services and materials to date for the two aforementioned pump station generator work .

Submitted by:

HVL _____ August 12, 2015