

Town of East Greenbush  
**Capital Improvement Projects  
2016**

**Project Status Report and Meeting Agenda Items  
From: H. V. LaBarba, PE  
Consultant to the Authority  
January 13, 2016  
Meeting**

**I. INFILTRATION AND INFLOW REDUCTION PROJECTS**

The projects under this category include sewer lining and I / I evaluation.

**A. Sewer Lining: Albany Country Estates**

**Item 1.** On October 15, 2015 bids were received for the above sewer lining project. Three bids were received, and nine contractors picked up bid documents. Bid documents requested bids for about 7,900 feet of sanitary sewer that was found to be in need of lining. Work will included lining, removal of protruding laterals, and several point repairs. At the last meeting we **recommended contract award to:** Kenyon Pipeline Inspection LLC of Queensbury NY for the amount of \$265,928.00. Signed contracts have been prepared and work is scheduled to commence the week of January 20, 2016.

**Item 2.** To refresh what was reported at the last meeting: “As a result DEC would like the Town to submit a plan to further quantify the cause of the overflow. Subsequently the Town has asked us if we can proceed with some the investigation needed to evaluate or help identify the causes. One task that can be addressed by the Authority using sewer bond funds as we have done prior to sewer lining in problem sections of sanitary sewers. The objective is to perform internal TV inspections and evaluation reports on the findings. This may help identify major sewer problems, like cracked and broken pipe, obvious inflow sources and major leaks.

The sewer system tributary to this station was not included in any of our previous I/I reduction projects, such as sewer lining, TV inspection or sump pump removal. This was reported to the DEC, hence, their letter of inquiry and request for a future plan.

**Actions to be taken:**

- 1. Sewer Lining – None**
- 2. Recommend Payment** to HV LaBarba for the amount of \$1,445.00 work related to the construction administration for Contract 15.1.
- 3. DEC Report** - awaiting Town input and assistance

## II. PUMP STATION PROJECTS

### Item 1. 3 rd Ave Pump Station

The Authority has previously prepared plans for improvements to be made at the 3 rd Ave sewage pump station. Bids were received and no action was taken to proceed. The need to replace the pumps and controls and install a bypass was further evaluated. Further the Town's sewer system in the 3 rd Ave vicinity is now under review and in consideration for the addition of Regeneron's new manufacturing and warehouse facility to be located on lands of UA Marx previously known as the Mill Creek PDD. These are some of the reasons for waiting to decide specific courses of action.

In summary here is what is known about the existing pump station and its pending needs as well as future alternatives for consideration by the Authority.

1. Pump and controls – the two existing pumps are older (40+ yrs) and do operate, with exceptions as noted below.
2. Valves and appurtenances – the existing valves are not operable and must be replaced. Therefore the pumps cannot be replaced unless isolated by new valves.
3. The existing control panel should be upgraded and probably replaced when new replacement pumps are installed.
4. The new emergency generator the Authority installed is in operation.

#### Current Situation

1. Pumps - we can replace the pumps with the same in kind units by purchase order. The pumps are Fairbanks Morse and sold by Siewert Equipment in Troy. This option is the best way to go because the units will fit without re piping the existing arrangement.
2. Valves – there are four valves (intake and discharge for each pump). They do not work. They cannot be repaired. The lines into the wet well to the pump station have an obstruction and must be cleaned when the valves are removed.
3. Neither the pumps nor valves can be replaced without pumping around the station for about a 24 hour period.
4. One of the pumps is under performing at this time. It is due to restrictions in the valve and intake line to the wet well. This station needs two fully operational pumps due to the flow. The design flow is about 600 gpm for each pump.
5. Regeneron – within the next 18-24 months they wish to connect to Town services including the sewer system. It is possible further upgrades and improvements to accommodate their wastewater needs may be required.

#### Recommended Actions

1. Replace the valves and pumps – the valves can be replaced for each pump with or with using the existing or new pumps. Flow must be bypassed around the station to perform the valves replacements. Bypassing will be done on a temporary basis. Pumps and hose will be

leased for several days and included in the contract amount. This is somewhat an emergency situation so it is recommended that we move forward doing this immediately. We are obtaining a quote from the Town's primary emergency contractor related to pump station repairs.

There are two actions to consider:

- A. Bypass existing flow around the station and just replace the valves initially without replacing the pumps. The back order for the pumps is 12-14 weeks.
  - B. Place an order for two new pumps, sole sourcing to the only supplier of in kind replacement pumps. Since new valves will be in place, the new pumps can be easily installed in the future.
2. Controls and Bypass - do not install a bypass manhole at this time until Regeneron's plans are fully known. Once new pumps are installed we can replace or upgrade the controls. The new panel will be outside the underground station. We are now obtaining three quotes for new control panels.

We recommend awarding and proceeding with the work as follows:

1. Award the bypass pumping and valve replacement to JP Industrial Inc. , the contractor who is on call and qualified to do Town pump station repairs. Note, they have completed several projects as low bidder for the Authority such as the Coreliss pump station screen and treatment plant clarifier. There may be some per deim costs as we cannot anticipate seamless repairs or other issues. The contractor's initially cost estimate is about \$9,500, including materials and valves.
2. We have obtained quotes from Siewert equipment for the replacement pumps. The lead order time is 12-14 weeks. The price for two pumps is \$17,000. We have the quote and need to issue a purchase order. They are also providing a quote on the controls. We are getting a separate (second) quotes for this work too.

**Actions to be taken:**

1. **Pump Station Repairs to 3 rd Ave.** Recommend JP Industrial to proceed with repairs per their quote for the emergency repair work described above.
2. **Recommend issuing a PO**, for the purchase of two like in kind pumps for 3<sup>rd</sup> Ave. pump station. Cost" \$17,000
3. **Recommend Payment** to HV LaBarba for the amount of \$2,145.00 work related to the 3 rd Ave. pump station repairs and order of two new pumps.

Submitted by:

HVL \_\_\_\_\_ January 13, 2016