

Village of South Glens Falls
46 Saratoga Avenue, South Glens Falls, NY12803

June 12th, 2024

6:00 PM

Special Village Board Meeting

MAYOR NICHOLAS BODKIN PRESIDING

Minutes

Attendance:

Mayor Bodkin
Trustee Gutheil
Trustee Girard
Trustee Carota

Clerk Treasurer Samantha Berg
TJ Chagnon
CR
Jim Edwards

Absent- Trustee Orlow

The Mayor called the meeting to order at 6:01PM.

Public Forum: None

1. **Motion 061224-1 to accept the proposal from C.T. Male not to exceed \$1000.00.** Trustee Girard motioned, Trustee Carota seconded. Trustee Gutheil, Trustee Girard, Trustee Carota in favor. Mayor Bodkin abstained. Motion passed.

Discussion:

- **Initial observations:** Jim Edwards discussed the options and evaluated the current condition of the pipes on Ferry Blvd, what could be the cause and address the discoloration of the water. When tests were run there was a high iron count in some areas. Jim would like to research some recommendations on the main pipe and what the Village could be doing to monitor the water system. One option Jim suggested was creating a hydraulic model of the water system. He first met with Trustee Girard and talked about the problems and then got in the field with TJ to do some testing and observe. Upon the field work, Jim reported that there was serious build up of tuberculates (corrosion) of products inside the main pipe.
- **Possible Solutions:**



- **Cement lining:** Jim stated that there things that can help prevent the build up of corrosion called cement lining of the inside of the pipes. It helps the inside of the pipe but the outside can still get corrosion with the ground water and the PH levels. When the static pressure drops below 24.5 during flows, thats when you need to act accordingly. It wont give you enough fire flow and you only will get a gallon per min in fire event. Jim believes problem is in the 6 inch line, does not know about the exterior line if there problems or breaks out there. TJ stated that the Village has not had a lot of breaks in piping. So Jim believes that there is something going on interior of the pipes. Took a short time to come to a conclusion but the question is where is it coming from on Ferry BLVD or one of the side streets. Most likely the problem is on Ferry BLVD based on the hydro flow test results. The pipes are 60 years old unlined cast that is useful life for the pipes. The application for this is more a structural repair that is insert inside the pipe. It will be costly with the unique situation and there is a need to dig up to replace valves, bend and services. About 40 user roughly with a couple apartment complex which makes it a big water draw. So it came downs to what can you do with the existing line to try to clean it.
- **Ice/Mechanical Pigging:** There is technology called ice ping and wire ping and other technology that can be introduced through hydrant to hydrant. It can clean out the corrosion to some degree. The issue with that is with the pipes being old may have a risk of further damage due to the age of the lines.
- **Open Excavation:** Another remedy is replace the pipe in sections. The open excavation is the common use for ductal PVC and poly ethalne. Jim suggests that a water model should be done. So when you contemplate making to connection between 2 streets when you try to resolve dead ends streets and loop them together with other streets. Then you can insert the condition into the model and it will tell you results from it. Like the improve pressure, flows and etc. You can also take the hydro flow test that has been done over the years and calibrate the model based on the real time hydro flow time test results and help come up with a good model. Trustee Girard stated that they didn't see issues with pipes until the additional apartment was built. Jim explained that it created a new demand of the flow which loosed stuff insides which then started to show the discoloration in the water. Jim also stated if you do the hydro flow more frequently it can also cause more of issue as well. Trustee



Girard asked if there could be a temporary fix for the residents until they can receive the grant money. Jim suggested the ice or wire pinging would be the best to try at this point. Jim does have a couple contractor he know that deal with the scope of work. Mayor Bodkin suggested to keep in mind there is the underdeveloped property of Leigh Cement that falls in the village boundaries. There is still over 30 acres that have potential room for development at the end of the line. The small line will have potential of larger development that would be in demand of more water. TJ shared that in all the research he has done that ice pinging is for sure temporary. Queensbury did the ice pinging and within 3 years they were replacing the piping. It will give them time to figure out the permanent replacement of the pipes. Trustee Gutheil if there are mechanical pinging contractors available. Jim believes so but has never delt with any himself.

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- Trustee Gutheil wondering about funding opportunities. Jim said the WIIA grant is the due 6/14 and do have a couple going in. Also talked about the income eligibility is not be as favorable a some in the Village but maybe worth doing a grass root sync survey. Then you can see what you got on down there for CDBG. Good program to get on the cycle of finding areas that need replacing. Ounce you get in the grove of it then its a great place to start replacing your old mains. TJ said that when they talked to CDBG and the income survey for the village. If the village had a village wide plan of replacement then we can use the entirety of the village income survey which we follow in the disadvantage communities. How does the village build that model to show them this is a village wide problem to CDBG and the village starts to get the funding regularly and have a project every year. Trustee Girard the distribution period CDBG grant would be helpful that where they support. We don't do a survey line thats distribution and side street that a whole different thing we would have to go out and knock on doors and see if they qualify but village and distribution wise we don't have to. So thats why if we could get into that type of program then we can replace a lot of main areas that needs clean water for a long time. Trustee Gutheil Is there any temporary hook up for the non- freezing months. Jim States you can find something to do above ground. Village could do a hydrant strike, connecting hydrant to some hose. TJ queensbury used a section of HDPE from hydrant to hydrant to get through but that was just there main no services



connected. So because of the water was flowing all the time and less chance of freezing where minimal. Jim there ways you can do that depending on the feet. TJ suggestion if that was a option he would suggest to come over the Schermerhorn development across the railroad bed then you know it would coming of the 12 inch piping and sure you get a much cleaner source and wouldn't be across so many driveway heads. Trustee Girard really would like to look at the cost of ping first. Jim has looked a pricing on on the pinging approximately \$15,000 to do the work. TJ suggest to first just look at the section where you are getting the high iron reading and is more central. All three of the dead ends where the high iron reading are coming from are plastic pipes but the draw is still coming from the corrosion of the main line. TJ explains that there is an in line value on Ferry BLVD, when you shut that down coming from Fifth St and flowing the hydrant down stream of it. The hydrant will flow pretty well almost the same when that value is open. When that valve is open and shut the valve on Moreau DR that brings the water around through Circle Dr and Moreau Dr on the 12 inch the flow drops a considerable amount. Thats a sign most of the water that is feeding that section is coming down Harrison through Circle Dr through Moreau DR and back up Ferry BLVD.

2. **Motion 061224-2-** Motion to adjourn Meeting- Trustee Carota motioned Trustee Girard 2nd, All in Favor, Motion passes

