



Town of Clayton
Water/Sewer Committee Meeting Minutes
Thursday, January 20, 2022
Town Hall, 414 Main Street, Clayton

Attendance:	Chairperson:	Mr. Burnett
	Committee Members:	Mr. Carrow Ms. DeBenedictis
	Councilors:	Mr. Smith, Mayor
	Staff:	Mr. Hurlock, Town Foreman Melissa Knight, Recording Secretary
	Guest:	John Pridemore Ryan Paisley Sharon Cruz, Duffield
	Absent:	Sean Valentine – excused

1. Call to Order

Mr. Burnett called the meeting to order at 6:30 p.m.

2. Old Business - None

3. New Business

- a. Review the Wastewater Collection System Study Report**
- b. Prioritize the list for repairs**
- c. Allow Public Works to gather bids for repairs**

A survey was conducted on the Wastewater System Study; the goal is to go through the study and prioritize the list for repairs. The study shows the recommendation for repairs as #1 urgent repair required, #2 repair recommended, #3 monitoring recommended and #4 no action recommended. Mr. Burnett recommended if the recommended action #1 is next to #2 perhaps repairing the #2 at the same time will save the town money. Ms. Cruz from Duffield spoke regarding the study. There have been numerous emergency repairs done in the old part of town over the years. It is the old sewer and deeper sewer and it is what feeds everything from the town before it is sent out from the town's treatment facility. If the collection of sewer fails, the sewer system will fail.

Duffield subcontracted with Reybold to come through to what is called closed-circuit television (CCTV) taking a video of the towns sewer infrastructure. The televising will document the condition of the sewer pipe such as cracks, root intrusions, joint offsets and any other failures in the sewer pipe giving it a rating system based on the system of NASSCO. This program uses the Pipeline Assessment and Certification Program (PACP) rating system, which was developed by the NASSCO. PACP requires closed-circuit television operators to code defects either by infrastructure or maintenance defects.

Mr. Burnett - majority of the number 1's in the study are categorized as replacing the pipeline with the exception of one (1) calling for the pipe to be sliplined. (Sliplining is a technique for repairing leaks or restoring structural stability to an existing pipeline.) The recommended action plan #1's will require bids for replacing the pipe. If an action plan #2 is next to action plan #1 wouldn't it be worth extending the opening to replace the #2. Ms. Cruz - the cost to replace is costly with sliplining the pipe would be more cost effective. Mr. Smith – the study states on Dump Road to clip the roots; wouldn't there be cracks to the pipe from the root intrusion. Ms. Cruz – that was a very small root intrusion based on the study. Resin liners harden and to make a changes to the liner you would have to grind it. With clipping the roots, I don't see it making any impact on the pipe. In the study Rodney Street needs to be sliplined in 4 sections at what point that we are going to open up for the water line to do the sewer line at the same time. Mr. Hurlock – to have the contractors for the water and sewer line coordinate the project together unless it was one contractor. If it was up to me I would just slipline it.

The town has already gotten a cost estimate back and we are spending more money than what we received. Mr. Burnett – I do want to put it on record that I do live on this street. It would personally benefit me obviously because I would know that my sewer is good. I don't want to show favoritism. Mr. Hurlock – this would be a tough project on Rodney Street. The only job the contractor has to do is open the road to install a water main in for the apartments. To have another contractor to come in to replace the sewer line at the same time the water main is going to be encumbersome. Mr. Carrow – what impact is this going to cause the citizens?

Ms. Cruz – to replace the pipe the contractor would need to saw cut the road, pull everything out, stabilize the area and then come back lay the pipe. It's a long process. You could be talking weeks as to sliplining typically can do so many feet in a day. Mr. Hurlock – approximately 1,000 ft. a day. What they do is layout this object out that looks like a hose somehow goes in takes a machine with steam that expands it and hardens it. Causes no disturbance. Mr. Carrow – if you are sliplining in front of my house will this cause any interruption to my sewer line? Ms. Cruz – with sliplining just like Mr. Hurlock said once the sliplining has cured they have to come back with another piece of equipment to cut out the liner where the individual sewer line connection is. There will be a little bit of interruption. The disruption will have a by-pass. The by-pass would need to be done no matter if the sliplining or replacing the pipe.

Mr. Hurlock - North Rodney Street could almost be completed in a day. Mr. Pridemore – without that by-pass the sewer wouldn't be able to operate. Mr. Carrow – is the biggest problem in sliplining the water intrusion. Mr. Hurlock – if the water table is too high that when you have issues sliplining the pipe. Ms. Cruz – the waterline has to be down far enough not pushing on the pipe. What happens in other locations is the waterline is so high and the pipes are so old the pipe cannot take the pressure. So, they would need to be in well points. Ms. Cruz – in some parts of town the CCTV could not be done because the pipe was full of water. Some of the pipes were 80% full of water. You cannot get a camera in the pipe to get a view to see any issues in the pipe. Mr. Burnett – the study indicates a pipeline of 367 to replace the full length of pipe due to a large wrinkle in liner. What if the area of the wrinkle in the liner was replaced and not the whole pipe? Mr. Smith – the wrinkle was caused due to the water level of the install of the slipline. The wrinkle is on the side of the pipe; it is not the flow that's an issue is it. Ms. Cruz – the wrinkle is located on the top of the pipe as well. The water level was so high they had to put constant pressure on while installing the liner to stop the water pressure from caving in the pipe. The current contractor that went in to do the CCTV had issues getting the equipment into the pipe because the wrinkles are large and they will reduce the capacity of your pipes. Mr. Hurlock – the pipe at Duck Creek Road was an 8" pipe with the installation of the slipline the size of the pipe reduced to 6". Mr. Hurlock – there's already an expense to replacing this due to it being a State road. Mr. Smith – where does it start and end? Mr. Hurlock – from Highland Avenue to Washington Avenue. Mr. Hurlock spoke with Ms. Cruz regarding replacing just where the large wrinkle is about 70' ft. and monitor the pipe. Just have to keep in mind the pipe is now a 6". The concern would be if the wrinkle could get any worse. The wrinkle hasn't gotten any worse. Mr. Hurlock's suggests the town monitor the pipe. Ms. Cruz – once the liner hardens the wrinkle is there. The contractor could come in and grind the wrinkle out but they could break the liner. Ms. Cruz – stated that she would monitor this more frequently than the other ones.

Mr. Hurlock – stated that he would have Public Works pull the manhole to see if the water is running through or holding. Mr. Hurlock – the biggest flow is Wheatley's Pond, the townhouses, single family homes, that end of Main Street, Hudson Street and Hanover. It is about 12' to 14' ft. deep. This was an emergency repair. Ms. Cruz – the contractor that was doing the emergency repair was fighting the high water level the whole time the repair was being done. Mr. Hurlock – the inflow we are pumping a day is down approximately 100,000 gallons a day due to the water level. Mr. Burnett – if the pipe is a 6' or 8' does it cause an issue if we install a 10". Ms. Cruz – you typically do not want to increase the pipe size upstream versus downstream. If you have an 8" pipe now feeding a 6" pipe the 6" pipe doesn't have the capacity to carry the additional flow. Mr. Hurlock – asked Mr. Burnett what he recommends. Mr. Burnett – recommends that we take the direction of Ms. Cruz to monitor the pipe at this time. Mr. Hurlock – his recommendation would not do all the actions at one time. He would recommend doing all the #1's. Ms. Cruz – agrees.

The town could apply for state revolving fund (SRF) is a fund administered by a U.S. State for the purpose of providing low-interest loans for investments in water and sanitation infrastructure. The notice of intent process is getting ready to open up

shortly. Ms. Cruz – the #1 priority should be covered under the money the town already received. The town could file for SRF money to address a portion of the #2 items. The #2 need to be addressed but not as urgent. Mr. Smith – just so we understand the ultimate goal here tonight is to prioritize and gather bids for repairs. Do bids cost the town money? Mr. Hurlock – we would have Duffield do the bidding process. Mr. Smith – we would need to get legal clarification if the bidding expense was covered under ARPA. Ms. Knight – will email the attorney. Mr. Burnett – there are 2 ½ pages of #2 will they bid each one separately or combine them together. Ms. Cruz – it depends on how the town wants to have the project done. Typically, the pipes are done by linear foot of pipe that is installed. Mr. Burnett – the action for Main Street is to replace 368 feet of pipe and slipline full section due to multiple cracks and a large area of encrusted pipe. Isn't there any way to clean the encrusted pipe out? Ms. Cruz – what that means is the solids have been deposited for so long that the actual inside of the diameter of the pipe is severely compromised with no way to clean it.

If you try to slipline a pipe that is encrusted its capacity is already compromised with sliplining the pipe is reducing it even more. Mr. Smith – would it be better to get bids for the recommended replacement of pipes together then a bid for all the sliplining. Mr. Hurlock – suggested that we should clip the roots in my experience with clipping the roots the pipes have clasped. Ms. Cruz – when clipping the camera will be in the pipe so they know where to clip the roots at. Mr. Hurlock – if the pipe is a 10" he would never go less than an 8" pipe and no smaller than a 6" pipe. Mr. Burnett – Duck Creek Road we are going to monitor, get a bid for all the #1's and the #2's for replacing pipes, all the clippings, and sliplining. Mr. Hurlock – stated the project is going to be a big and lengthy job. Mr. Carrow – did the contractor check the pipeline that goes to Smyrna? Mr. Hurlock – that pipeline is a pressure line. Mr. Smith – if that pressure line goes then we only have about 6 hours at most before the town will need to start trucking the sewer out of the treatment plant. Mr. Hurlock – the line goes down Dump Road, runs along Duck Creek Parkway to the bike path beside the storage units, goes to the footbridge at Green Branch down to Green Branch Lane and dumps at the manhole at the bank.

The town is responsible for this line even in the portion that is in the Town of Smyrna. The line is a 6". I'm not sure how you would be able to check the line. The line only has air release and no manholes. Ms. Cruz – would need to look into how to check a pressurized line; typically if you have a problem you would know it. Mr. Hurlock – stated the town could replace the air releases. The County has nothing to do with this line.

Mr. Smith made a motion to approve Town Manager and Duffield to send out to bid to all the rated #1 action less Duck Creek Road; any other action that is required and clippings in this survey, seconded by Mr. Carrow. Motion carried unanimously.

4. Scheduling of Next Meeting

No meeting scheduled at this time.

5. Adjournment

Mr. Smith made a motion to adjourn the meeting at 7:32 p.m., seconded by Mr. Carrow. Motion carried unanimously.