

## Village of Goodfield

### Water and Sewer Committee Meeting

January 20, 2021 via Zoom 7:00p.m.

PWA Nohl called the meeting to order at 7:00p.m. Present were Engineer Duane Yockey, PWA Josh Nohl, Water & Sewer Chairman Roger Mullins, Terry Nohl and Daryl Wilkendorf. President Edwards arrived at 7:08p.m.

The purpose of the meeting is to discuss Well #2 Replacement and Martin Drive Watermain Loop.

#### **Well Repair at Water Plant**

PWA Nohl informed the Committee that Ebert's took some readings and took a draw down. The readings they got were close to the readings they got originally when they dug the well. They questioned whether when the well was initially installed whether the well driller took the time to develop the well enough. The estimate for pulling the pump and mechanically rehabbing the well is \$15,000 then they had supplemental items:

chemical rehab \$8,000-\$12,000

Complete sample \$1300.00

Ebert's think it is a mechanical issue and that mechanical rehabbing, surging, brushing is the main problem. PWA thinks we should still run the sample analysis to make sure we do not have a chemical problem also. Unfortunately, we will not know exactly what we must do until we pull the pump, camera the screens and then sample the waters to find out if we have issues on the chemical side of it. After they clean it they would put a test pump in and do another draw down to see how much improvement there is from the well rehab. A second televising would also be good to do. This could tell if we could go with a bigger pump. Engineer said televising will show the screen but will not show the gravel pack beyond the screen and the aquafer. The analysis of the sample will give us an idea of whether there is potential deposits or minerals or bacteria gumming up the actual gravel beyond the screen. Mechanical rehab will help clean the screen but will not help with the gravel beyond the screen. The only thing that may help with that is the surging or the chemical rehab. We do know Village water is hard, we have had areas of problems with iron bacteria in the filters in the past. Test pump is definitely important to do after they do the work to see what the well is doing. Initial televising will tell if the well is beyond redemption. One thing that comes to mind. If they would get into chem rehab we need to be cautious – if we are doing the chemical rehabilitation, we don't want the new well running and sucking water that might go into distribution system during chemical rehab. So if you going to do that Engineer's suggestion is to run the plant, get the towers full and make sure you have plenty of time and not run the new well. Engineer doesn't know how is how the new well effects the draw down on the old well when its not operating. Check water level in old well and then start running the new well and see what the cone of influence is on new well. Zeller quote for the electric demo and replacement is approx. \$10,000. Total cost could be \$50,000 to \$60,000 or less. Motion was made by Wilkendorf, seconded by Nohl to make a recommendation to the Board to authorize up to \$60,000 for this well refurbishment. Motion passed with the following roll call vote: Nohl – yes, Wilkendorf – yes and Mullins – yes.

#### **Martin Drive Watermain Loop**

PWA informed the committee Martin Drive Watermain Loop is on the capital improvement plan prepared about 5 years ago. The 12-acre property on the corner of Martin Drive and 117 has sold. Owner is looking at putting up a warehouse on that property. Owner has talked to Josh about utilities that are there. He gave Josh a preliminary layout from his engineer. Owner was getting quotes from

sprinkler installers and they asked if the Village has the capacity and flow to upgrade a sprinkler system. Josh thought this would be a good time to do this project. It was not #1 on project list, it was #3 on the list. #1 was Water Treatment Plant and that is completed and #2 was installation of a loop along Route 150 from DMI Road back to Route 117. Property is zoned Business/Commercial. PWA said this loop would help our flow, water quality and give us the ability to isolate main if we have a breakage and must shut down main. It would also help the property owner's fire flow. Engineer Yockey said the existing watermain to the west by Deer Lakes is a 6 inch but the water main in front of Vermeer that dead ends at 117 is an 8 inch. If that was extended it would certainly help the flow of any sprinkler system. This could be approximately a \$40,000 project. Daryl asked if any fees could be picked up with Hook up fees. PWA said it does not just benefit this business, it was already planned and will also help the Village. Daryl asked what the owner's alternative is if villages standard hookup does not meet his fire control demands? He would run his sprinkler system; they just wouldn't get 100% capacity on it. He may have to put a booster pump in. If the property owner develops the property does he have to put a main across the property? PWA didn't think so because this will be the only building on the lot. Trustee Nohl asked if TIF Funds could be used for this project. PWA Nohl said yes. Owner wants to build this spring sometime. Edwards asked about Engineering costs for this project. Engineer said approx. \$8,000 for plans and EPA permit. This is just information for the Committee to consider. Engineer recommended that he should have to put a casing under his drive for future water main. President Edwards said maybe we should get the engineering costs out of the way now. This will be discussed at the February Regular Board Meeting.

There being no further business, the meeting adjourned at 8:19p.m.

Roger Mullins, Chairman