

MIDDLEBURG MUNICIPAL AUTHORITY

MARCH 11, 2014

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MEMBERS PRESENT: Charles Zechman-Chairman, Doug Hassinger, Scott Brouse, Sam Herman,
Raymond Colestock, Mike Rhodes

OTHERS PRESENT: Dustin Zechman-Borough Foreman, Robert Slivinski-Solicitor, Natalie Riley,
Dave Walters-Engineer, Virginia Zeiber-Administrator, Brian Lauver, Judy Varner

Meeting was called to order by Chairman Charles Zechman at 6:03 P.M.

Motion was made by Doug Hassinger to approve the agenda. Raymond Colestock seconded and MOTION UNANIMOUSLY CARRIED.

Motion was made by Scott Brouse to approve the February minutes. Raymond Colestock seconded and MOTION UNANIMOUSLY CARRIED.

Bids for sewer laterals for Conrad/Hain and Bowersox properties on Dinius Avenue-Bids were opened for the Bowersox and Conrad/Hain property on Dinius Avenue. This work will consist of constructing and connecting the new building sewer and pumping, disconnecting and filling the abandoned septic tanks. The bids were as follows:

George Richards Excavating-\$5660

Stahl Brothers-\$9800

Mid-State-\$9700

Scott Brouse motioned to approve the low bid of \$5660 from George Richards Excavating. Doug Hassinger seconded and MOTION UNANIMOUSLY CARRIED.

LDG REPORT

Well Project-GeoServices presented two invoices for the well project for approval and payment. The invoice from February is for the pump test in the amount of \$3720.00, for which GeoServices paid SRBC. Upon approval, \$3720.00 will be reimbursed out of CDBG funds. Sam Herman motioned to approve payment of the GeoServices invoice for \$3720.00 by Seda Cog. Doug Hassinger seconded and MOTION UNANIMOUSLY CARRIED.

GeoServices also presented an invoice for Task 5 of the well project for the hydrogeological report in the amount of \$5196.40. The results of this report are sent to DEP and most likely SRBC. The total amount of the invoice is \$5186.40. \$4299.60 was for the hydrogeological report and there were additional charges in the amount of \$886.80, which included two site visits which were not originally included in the cost. One is for the second trip that had to be made for the alignment test on the well. The well driller had an issue with the well, so a second alignment test had to be done. Water levels also had to be measured in some of the surrounding wells. SRBC is requiring this information be included in the pump test data. Those water levels, which were taken prior to the test, will be compared to the levels taken during the test to see if there is any change. Some of the additional charges included travel time from Camp Hill and meeting with property owners. Dave recommended approving the \$4299.60. He also recommended approving the \$886.80 contingent upon SEDA COG's approval. Raymond Colestock motioned to approve payment of \$5196.40, with \$886.80 of that amount being contingent upon SEDA COG's approval. Sam Herman seconded and MOTION UNANIMOUSLY CARRIED.

LDG requested price quotations for the Step Drawdown and 72 Hour Pump Test for the new well. They received price quotes from Eichelberger and Modern Pump. Stackhouse did not submit a quote. LDG requested price quotes because SEDA COG had some concerns as to how DCED would look at just giving the work to Eichelberger without having any documentation that a fair and equitable price quote had been given. Eichelbergers' price quote is the best no matter how much discharge hose has to be used in connection with the test. Instead of writing a change order to the construction contract with Eichelberger, it will be handled as if Eichelberger is working directly for the Authority. Payment will be made from the CDBG funds and would not be subject to prevailing wage rates, which will make it less costly.

Doug Hassinger motioned to approve the price quotation from Eichelberger. Mike Rhodes seconded and MOTION UNANIMOUSLY CARRIED. Dave is going to draw up a formal agreement for this work in response to a request from Glenda Ruch at SEDA COG.

Once the test well plan is approved, the work will be done. The next step will be design.

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Dinius Avenue sewer project-The final payment for this project has been submitted to PennVest. There is a list of items that PennVest needs to go through so that the loan can be closed out. Two of those items are the final inspection of the facilities and additional administrative work, which need to be done before final payment can be issued. Payments are already being made on the loan.

Reservoir Hydraulics-LDG did an analysis of the friction loss in the pipe coming out of the reservoir, which is a six inch cast iron pipe. At a point, it increases to a ten inch circumference. Several flow amounts were taken and compared to calculate the total head loss. Assuming the pipe is about twenty five feet in length, taking into consideration the roughness in the pipe itself and the fact that about nine feet of water is going out over the top of the pipe, there is an issue with the pipe. Realistically, Dave believes that with the pipe being as old as it is, we are only getting between 750 and 900 gallons out of it. He believes enlarging the pipe is a very good idea. It will be tricky construction because drilling must be done through a three foot stone wall. Dave also thinks that DEP will require the reservoir be drained or at least the area where the work would be done and then disinfected after the work has been completed.

Dave wants to talk with Dustin more about possibly putting a temporary line around the reservoir to supply the town while the work is being done. Dustin informed him there is such a line already from the filter units to the distribution building. Dave believes this will help with water pressure issues during fires and water leaks, but he does not think it will solve the problem at Mary Lauver's property. It will not increase the static pressure but it will help the flow pressure. Dustin believes the pipe to be about forty to forty five feet long instead of the twenty five feet mentioned. Dave said if that is the case, the situation is worse than projected.

Natalie Riley asked if there was any grant funding available for this type of project. Dave thought CDBG funding should be explored. There is another funding source, which Dave just learned about, but he needs to check it out further to see what it is actually for. The only debt load that the water fund carries is the West Market Street water line. There is approximately \$152,085 left on that loan. There is about \$450,000 in the PLGIT Water Fund and PLGIT Timber Fund combined.

Water storage tank-LDG prepared a cost estimate for a water storage tank, which would be put back where the old one had been on the hill above Pine Street. It would be about \$450,000 for a tank with a ceramic coating inside and outside. That includes replacing about 1000 feet of asbestos cement pipe, which fed the old tank. The capacity would be about 140,000 gallons and the tank would be twenty feet in diameter and sixty feet high. The only issue would be if the tank would be damaged, such as by a bullet, it would be difficult to fix the coating. Concrete is an option but Larson has not really worked with it.

The site work should be minimal because a tank was there before. By having the system float on one another, there should not be stagnant water. Dustin believes having the storage tank would also help when replacing the line at the reservoir, because there would be stored water to help keep up with the demand.

Brian Lauver stated that if the pipe is replaced at the reservoir, it would not increase the pressure at his mother's house. Dave agreed it would not increase the pressure but having more water flow could increase the pressure in the system in a dynamic sense. Scott Brouse questioned if using the new well, while replacing the pipe at the reservoir, would change how things would be done up at the reservoir. Dustin stated if the well would be on line, the water plant would need to be shut down and a water tank in some capacity would be needed. Air would be introduced into the system if the plant and the well would be run without the reservoir. There are temporary storage tanks available for rent for this type of situation.

Chapter 94 reports-The Chapter 94 reports are ready and Chairman Charles Zechman will be signing them after the meeting, so they can be submitted to DEP. These reports basically go over how things are running, if there were any violations, and if any improvements were made to the system during 2013. There is a separate report for the Middleburg plant and another for the Kissimmee plant.

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Replacing the pipe at the water plant-It was decided that a plan has to be drawn up to work with improving the water system and its issues. Scott Brouse expressed concern that the upgrades are coordinated appropriately with each other. Ginny stated that in the meantime, Dave could be working on cost estimates, etc. Natalie asked if it was going to require going through a bunch of historical hoops because of disturbing the earth. Dave did not believe it would require much because the area has already been disturbed. Mike Rhodes expressed concern that the steps have to be in line correctly to see what is needed in the system. Dave believes they should get the hydraulic model that was done some years ago and study it. Adding a new pipe size would give some answers as to whether it is cost effective to put a tank on the hill. The well has to be on line by June 2015. With all the permits that are needed, it will most likely take until then.

Dave projects that it would be about \$150,000 to replace the line on Pine Street, if a tank would be put on the hill. It is old asbestos pipe and is in bad condition, so the thought was that it should be replaced whether a tank would be installed or not. Dustin asked if a tank is not installed on the hill, if an eight inch line would be needed to serve four homes. Dave stated he would not go lower than six inch.

Scott Brouse expressed concern if anything could be done for Mary Lauver at present. The ideas that were discussed will take years to complete. A pump at her house is not a solution because as soon as the water volume goes down, the pump burns up. Solicitor Slivinski suggested a small storage tank. Dustin stated that he thought the main would need to be shut down on Wednesday when they go to fix a leak in the old line. If they need to shut it down, they are going to put a flush hydrant in the end of that line, because they will have dirt in the line till they are done and they will be able to blow off the line when finished. That would help with the dirt in the line.

Mike Rhodes asked if there was a functional well on Mary's property, to which Brian answered, "No, they are not allowed in the Borough." In 2003 or 2004 when the old tank was removed, Brian stated the minutes show there was discussion by the Authority about replacing the tank but it was not recommended. When the tank was still there, the water was higher than Mary's house so there was no problem. There are no records as to how much pressure was present at the residence then but Brian stated it was better than now. There is so much air in the line that it can takes days for water to come back through her lines. It is an ongoing problem.

Mike Rhodes questioned why a pump cannot be put lower in the line. Dave stated it would help but it will cost about \$100,000. Solicitor Slivinski thought it would be cheaper to put a 1000 tank of some type at her house. The pump would also have to be inside some type of building or underground vault so it would not freeze. Doug Hassinger felt if that much money would be spent for a pump, it would be better spent putting a tank on the hill. It was also suggested that future growth in that area should be considered when deciding which way to go in addressing the present problem. Dave will get back to the Authority with information on this situation as it becomes available.

Dustin was asked if the Borough crew would be able to replace the water line in the area of Mary Lauver's. He said the crew will fix the leak but they would not have time to replace the entire line.

Cameras at the water plant-The camera project at the water plant is half complete. Two cameras are on back order and Rusty Kauffman expects to have them installed within two weeks.

Rural Water magazine-Rural Water, to which the Authority belongs, puts out a quarterly magazine. They are going to feature the Middleburg WWTP. Dustin will have the magazine available when the article is published, so that it can be viewed.

Water leak detection equipment-Dustin is exploring purchasing an aqua scope to detect water leaks. The Borough crew has been beating themselves going around hunting water leaks with geophones from the 50's. The price for the new equipment is between \$3000 to \$4000.

Boat for WWTP-Dustin is looking for a boat for use at the WWTP. There are some air lines leaking and they need tighten them which requires a boat. He is looking for a flat bottom boat but not a big one.

Screen rebuild at WWTP-Parkson was waiting for warmer weather to do the screen rebuild. Ninety percent of the cost of the project has been paid, so it is hoped that Parkson will soon do the work as the weather is now improving.

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Hydrant in the area of Main and Shuman St-A hydrant was broken in the area of Main and Shuman Street. The Borough crew has repaired it. It is a good possibility from what Dustin observed that a modular home came through that area when there was a lot of snow and hit the hydrant. Reports have been filed and the insurance company is involved.

Motion was made by Mike Rhodes to adjourn at 7:24 P.M. Doug Hassinger seconded and MOTION UNANIMOUSLY CARRIED.

Beverly Inch
Municipal Secretary