WATER/WPC Committee Meeting
June 19, 2019
7:00 A.M.
WASTE WATER TREATMENT CONFERENCE ROOM

Attendance-Jerry Woodgeard, Don McDaniel
Michael Nixon, Denise Crews, Paul Martin

WATER AND WASTEWATER ISSUES

1. Long Term Control Plan Addendum

Received amend NPDES permit June 4 with 10 year extension. Final project identified must be completed on or before December 1, 2033. We are currently ahead of schedule.

2. Bulk Water Fill Station

CDM Smith was selected to submit a proposal to design a bulk water fill station. The City currently fills bulk water trucks at the Memorial Drive WTP. OEPA has requested that the City provide an air gap on the water main that fills the bulk water trucks. There is no convenient method to provide an air gap at the existing fill location. In addition, access to the WTP from Memorial Drive is problematic. For these reasons, the City desired that a new Bulk Water Fill Station to be constructed at the Lawrence Street Water Pollution Control Facility. Bulk water trucks range in size from semi-trucks to pickup trucks with water containers in the truck bed. The ability to fill this wide range of trucks was an issue that needed to be explored. Legislation was introduced in March and passed on second reading to allow the Service Safety Director to enter into a contract with CDM Smith for the design of a bulk water fill station. It was anticipated the facility would be operational by the end of the year. A design kick-off meeting was held June 4. Legislation to advertise for bids and enter into a contract was introduced August 12. Passage after the second reading was requested and achieved. Bid opening was held October 1. A single bid was received and that bid exceeded the engineer’s estimate by more than 10%. The project will therefore be required to be rebid. Project on hold.

3. East Side Standpipe Replacement

The water master plan calls for a new elevated tank to replace the east side standpipe. Eight firms submitted qualifications statements for review and CDM Smith was selected. The preliminary study recommends that the existing pressure area for the Rainbow Drive Water Tank be extended to serve the east side standpipe area which will allow the standpipe to be taken out of service. This will require a new 16 inch waterline on Pleasantville Road and Wheeling Road along with a new line from S. Ewing Street to Commerce Street to provide fire flows. Expect the project to re-start in fall 2019. Have a preliminary ideal alignment.

4. Street Paving Coordination

Water, Wastewater and Stormwater are coordinating with both Engineering and LDOT on utility upgrades that may be needed ahead of paving projects. As soon as potential projects are identified, our infrastructure is evaluated for needed repairs and scheduling. 2019 projects do not have much impact on.
5. **CSO 1029 Sewer Project**

In conjunction with the Fetter’s Run Stream Restoration project the new sanitary sewer from CSO 1029 to the Fetter’s Run interceptor will be installed. ARCADIS has been hired to design the project. A proposed layout has been determined that will not impact the Fetter’s Run project so CSO 1029 will return to the original project schedule of 2020.

8. **River Valley Highlands I&I project**

Wet weather high intensity storms in 2017 resulted in a number of Water in Basement calls in the northwest portion of River Valley Highlands. After the initial City investigation failed to identify any obvious issues, ARCADIS was hired to study the system and perform a pilot repair program in November. The pilot program found a high rate of leaking sewer joints and house laterals. ARCADIS has been contracted to do a Design Build I&I removal project on the west half of the subdivision. Design is expected to be complete by the end of April. Guaranteed Maximum Price for the construction work was finalized for Council legislation which passed June 11. Sewer cleaning and televising started August 6, 2018 and is substantially complete. Burgess & Niple has been retained to complete the design. Contractor comments during pre-bid meeting has caused us to postpone the bid and re-examine the design.

9. **Lawrence Street WWTP Upgrade**

The Lawrence St facility was last upgraded in 1997 (with ARCADIS/Malcolm Pirnie as the design engineer). May pieces of equipment are reaching the end of their useful life and new technology has become available that may provide operational savings. In addition, Ohio EPA has required that we evaluate phosphorus removal at the facility.

Earlier this year we issued a Request for Qualifications for the project and received 4 submittals. ARCADIS was chosen as the most qualified firm based on their expertise and on their past performance at both Lawrence St and the Upper Hocking WPCF. We have negotiated a scope and cost and would like to enter into a contract to evaluate the Lawrence St facility, do a condition assessment, evaluate equipment and do preliminary design. The cost will not exceed $210,000. Funds have already been appropriated.

Asset review has been completed and evaluation and recommendations have been received. Consultant recommend $21 million in repairs and renovations to address critical defects, improve safety and save energy. Legislation to authorize design will be introduced June 24.

10. **South Water Treatment Plant Roof Replacement**

The Garland Company recently completed a Roof Asset Management Program. The two flat roofs were found to be in a failed state. The estimates for replacement are:

- North Low Slope Roof: Budget Range: $138,320.00 - $160,160.00, Square Footage: 7,280
- East Low Slope Roof: $139,384.00 - $161,392.00, Square Footage: 7,336

The low bid price for the two roof replacements and gutters and soffit was $448,321.00.

Legislation was introduced August 13, 2018 authorizing the Service Safety Director to enter into a contract and appropriate funds.

Project expected to be completed by end of July.
11. Lawrence Street Equalization Basin 20-inch drain line failure

In early May a sinkhole was observed near the Lawrence Street Equalization Basin 20 inch drain. May 10 and 11 a contractor was brought on the site to excavate the area of the sinkhole to determine the issue. The 20 inch equalization tank drain line was found to be failed. The ductile iron pipe has disintegrated at the top ¼ of the pipe. It is assumed to be a result of elevated hydrogen sulfide in the pipe over 30 years. Arcadis had engineering staff onsite May 16 to evaluate the replacement solution. This pipe line is in a very congested area of the treatment plant site and is nearly 14 feet deep and in the influence of the groundwater. Legislation will likely be required for the engineering services and will be necessary to award a contract to make the repair/replacement. Capital Tunneling has visited the site and is determining if a trenchless solution is an option. The tunneling option was determined to be nearly $400,000.00. We are exploring other options/alternatives. Replacement is included with Lawrence St improvements.

12. Miller Park Emergency Generators

The City received preliminary FEMA approval to apply for a $100,000 grant to install two generators to serve the Administration offices and Distribution Building. Application was submitted December 21.

13. Rock Mill Corporate Park Phase 2-3

To facilitate new industrial development announced for Rock Mill Corporate Park, additional infrastructure is needed on Anchor Avenue and Dave Johns Way. The Division of Water has ordered pipe and began installing waterline the week of April 1. Approximately 700 feet (and tap for new user) of the 1,300 feet have been installed. Sanitary Sewer design is completed. Project was advertised on June 14.

14. Fetter’s Run Stream Restoration and Sanitary Sewer

Fetter’s Run has shifted and now surrounds a sanitary sewer manhole at the High School. This project will re-align the stream and stabilize the bank to protect the manhole. Timing is critical as we cannot start construction until school is out and we have to be complete by the Festival. Legislation has been submitted to advertise for bids. Bids will be opened on Thursday. Bat survey has been completed with only brown bats found. Contract has been signed and Notice to Proceed issued. Pre-construction meeting June 20.

STORMWATER ISSUES

1. Lawrence Street Wetland

As part of the 404 and 401 permits for the Upper Hocking WPCF, we were required to create a mitigation wetland on the City property on Lawrence Street. To do this, we needed to divert the existing swale along the property line into the wetland area to allow it to naturally establish. Evans Landscaping completed this work in December 2010 and we are in the monitoring period with the second report submitted in December. The deed covenant has been sent to the Corps of Engineers for approval. The 2014 monitoring work has been completed and the Corps of Engineers made their site visit. Ohio EPA has requested additional monitoring in 2015 which were completed in August. Based on this monitoring Ohio EPA is requesting additional work to increase the number of plant species. This will also extend the monitoring period of the project.
2. **Ann Court**

The Ann Court project has been divided into 3-4 phases to address problems starting from the downstream areas. A preliminary layout for drainage from Lancaster Estates to Pleasant Run has been identified and we have an understanding with the property owner for a storm sewer location. Plans for Phase 1 have been submitted to the departments for comments and Jobes Henderson has met with the utilities. Work will be coordinated with the waterline project. In discussions with Lancaster Estates for easements.

3. **Union Mulberry Relief Project**

After flooding in 2006, we completed a study of the Union Mulberry area to identify undersized sewers and flooding issues. A pre-application for a FEMA Mitigation grant for the project was submitted on November 2, 2012 and the State EMA invited the City to submit a full application that was due May 17. A contract has been issued for application preparation and design work. City Council had a public hearing on March 11, 2013 and there was a meeting scheduled in the neighborhood. The grant was submitted on May 17 and comments were due back by June 12, 2013. The Ohio EMA notified us that the project was approved but less money was available for the project. We have revised the application and resubmitted. We were originally anticipating 1.9M on a 2.6M project, but available funds will likely be about 1.7M. Signed grant has been received and project advertised for bids on September 26 with bid opening on October 24. The initial bid came in overestimate and the project was re-bid on November 21. Stockmeister Construction is the low bidder and a notice of award has been issued. Contractor started work January 19, 2015 with completion January 2016. Most of the park excavation is completed with restoration to start in April. Force main and pump station work has started. Contractor has submitted a notice of delay and a differing site condition claim, review of these claims is under review per contract conditions. Contractor has run the clock out on paving. Phase 2 Brumfield street reconstruction has been suspended until April although storm sewer, concrete and other miscellaneous work will continue. Negotiations on the pump station has been initiated. We have entered into a contract with Rock River to construct the pump station. Stockmeister is back on site to finish Brumfield Road street construction and correct defective work in park. A change order for the pump station claim was rejected by Stockmeister because they wanted us to waive liquidated damages. The pump station is complete and in operation. FEMA is ready to close out the grant. We are working with Parks to make final grading and parking upgrades. Change Order has been issued to Rock River to correct ballfield drainage issues. Playground installed. Court awarded interest and attorney fees and issued judgement entry. Stockmeister and Traveler's filed appeal and we filed cross appeal to 5th Court of Appeals. Oral arguments were held in February and appeals court upheld trial court decision. Stockmeister and Travelers have until May 15 to appeal to Supreme Court. We received a check for the settlement and legislation was introduced on June 10 to appropriate the money. We also have a stipulation on the settlement in case we want to pursue additional legal fees. This will wrap up this portion of the project.

Design is underway for the next phase. After meeting with the City utilities it has been determined that the water department needs to lower the waterline before storm and street construction can be started. Division of Water is currently lowering the water line and the project is expected to go out for bid in November.

4. **Cherokee CDBG Area**

Engineering and CDBG have identified the Cherokee Drive area as an area for improvement under the CDBG program to address street issues as well as stormwater and combined sewer issues. A request for qualifications for an engineer to do the initial study was issued and six firms have submitted statements. Jobes Henderson and Associates was selected and the contract has been signed. Surveying work has been completed and a preliminary layout should be completed in late September. Under 2010 census data released in August, the census block no longer meets
LMI requirements. A meeting is scheduled with the residents on October 16 to initiate an income survey to show LMI is met in project area. The income survey was completed in February and HUD has approved the results to allow the project to continue. Design report was submitted in October and legislation for a contract for the design work was introduced at City Council on February 8. The project has been approved for a SCIP grant/loan and Ohio EPA 0% loan funds. Project is substantially complete and punch list work is wrapping up. Street work part of the 2019 paving project.

6. **Pershing Drive Storm Sewer**

The second phase of the Seneca Drive storm sewer project is a new storm sewer on Pershing Drive and abandoning the existing lines that run next to houses and through yards. There has been significant issues with utilities at the intersection of Pershing and Baltimore Road and the storm sewer has been redesigned to run south through the cemetery and around the booster station. Final plans have been submitted and are signed. Bid opening June 22. Rock River contract signed pre-construction meeting held. Work to begin after Labor Day. Minor change to alignment to accommodate Cemetery layout. Construction began September 24. Project is substantially complete with punchwork remaining. Issue with compaction along Baltimore road that is being monitored. Defective work letter has been correct and street was paved week of June 10. Project is complete except for final payment.

7. **Lateral B Floodplain Preservation**

As a result of an apartment development on Fair Avenue, there is about 10 acres of land along Lateral B available from Shasta Avenue to Roxton Ravines. Gorsuch Realty was approached about donating the property to the City for stream restoration and floodplain preservation. They indicated they would be willing to donate. The lot split has been approved and we are working on the agreement and land transfer. The property could qualify for either a 319 grant or a Surface Water Improvement grant. Park Board has accepted donation of property. Project has preliminary approval for a $600,000 FEMA grant with the grant application submitted December 21. Federal funding approval expected in May.

8. **2018 Sewer Lining Project**

During construction of CSO project it was noted that the Park St Sanitary Sewer was in poor condition. While the project was under design there was a sewer collapse on Locust Street so lining of that sewer was added. The project was advertised for bids on March 9. Bids were opened April 6 and were higher than Engineer’s estimate. Will postpone the project until 2019. May add a section of storm sewer. Engineering contract amendment for additional work approved. Advertised for bid and bid opening May 24. Contract is in process and pre-construction meeting will be schedule within next two weeks.

9. **Mondhank Rd Culvert**

The 96” CMP culvert on Mondhank Rd just east of Stringtown is in very poor condition. The culvert itself is rusted at the flow line with voids forming under the pipe and the headwalls are caving. We are checking the culvert monthly. After last rain event found shift in headwall. SCIP application submitted on October 5. Legislation to advertise for bids and enter into contract
approved. Bids were opened on June 21 with one bidder over 10% over Engineers estimate. Looking to rebid in July and may need to amend contract legislation.

10. 2019 Culvert Repair and Replacement Project

The culvert under Memorial Drive north of Whittier St, and the culvert on Independence Blvd north of Valley Forge are scheduled for replacement under this project. The Memorial Drive culvert is an old cattle crossing and has deteriorated headwalls as well as structural corrosion. The culvert on Independence Blvd is undersized causing upstream and downstream flooding. The culvert will be upsized. Timing of this project may be pushed back due to other priority projects. Memorial Drive Culvert legislation introduced June 10. Look to advertise in August.

11. Pioneer Alley Emergency Replacement

LDOT discovered a sink hole in Pioneer Alley. After repair and investigation, they discovered several other critical issues in the pipe that could cause collapse. The 24 inch line is snugged between a 48” storm sewer and a high pressure gas line and is at capacity. Trenchless repairs are not possible. In addition, ODOT has awarded the contract for the SR 188 paving project and the contractor is expected to start work at the end of March with paving starting around Memorial Day. Legislation to declare an emergency has been approved. Plans are complete and LDOT send to contractors for quotes. Contract awarded to Layton Inc and work has begun. Crossing Cedar Hill Road week of May 13, weather permitting. Work continuing well. Issue with one home sanitary illegally connected to the storm sewer. Installed a temporary sanitary connect until they can make a permanent tap on Pierce Avenue.

12. Fifth Ave/Sixth Ave/Forest Rose Sewer Separation

The next project in the Combined Sewer Overflow compliance schedule this sewer separation project involves installing new storm sewers on Fifth Avenue between Forest Rose and High Street, on Sixth Avenue from Forest Rose to High Street and on Forest Rose from Five Avenue to Sixth Avenue. This project is eligible for a 0% loan from the Ohio EPA. The loan application is due at the beginning of July with a loan expected in early December. Legislation to submit the loan application and to advertise for bids will be introduced on June 24. Construction is slated to start winter of 2020 and is expect to take 9 months.

MEETING ADJUNCTED 7:55 A.M.