Water/WPC Committee Meeting Minutes
August 21, 2019
7:00 A.M.
WASTE WATER TREATMENT CONFERENCE ROOM

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

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 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. **This will be our #2 project for the SCIP for 2019 applications due October 4.**

6. **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. **Post project flow monitoring has shown significant reduction if wet weather flow. However there still appears to be inflow/infiltration sources. WPCD will be adding additional flow meters to attempt to identify the source locations.**

7. **Lawrence Street WWTP Upgrade**

The Lawrence St facility was last upgraded in 1997 (with ARCADIS/Malcolm Pirnie as the design engineer). Many 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. Contract for design work has been signed. Nomination for WPCLF loan is due August 30.**

8. **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 will be introduced August 13 authorizing the Service Safety Director to enter into a contract and appropriate funds.

**Project is finished.**

9. **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. Did not get chosen for nationwide grant. Resubmitted August 3 for disaster mitigation program. Will hear back in September.

10. **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. Contract awarded to Woods and work has started.**

11. **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. **Notice to Proceed issued. Pre-construction meeting June 20. Stream construction to be completed 1st week of September with seeding by end of September. Tree planting will be in December.**
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 visit 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 has 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**

Design is underway for the next phase on Ohio, Kline, Union and Mulberry. 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 has lowered the water line and will start changing services. Project will advertise for bid in November.

4. **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.

5. **2019 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. Locust
Street work should be completed this week and the segment in Fairgrounds and Park Street-Fairgrounds to Forest Rose complete. Project to be complete within next three weeks.

6. 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. Need to amend legislation to allow a higher contract price. Legislation introduced August 12.

7. 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. Project will bid on August 30. May need to increase contract amount in legislation.

8. 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 complete and doing close out paperwork.

9. 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 was introduced on June 24. Project will advertise on September 6. Construction is slated to start winter of 2020 and is expect to take 9 months.

10. Fetter's Run Stream Restoration-OU-L

In conjunction with the Lawrence Street upgrade we have the ability to sponsor a stream restoration project. We are looking at developing a stream plan and submitting the OU-L section for funding in 2020. The remaining section of the stream through the high school property will be coordinated with the new high school construction. Waiting for proposal from Hull and Associates.
Motion to adjourn made by Councilman McDaniel, second by Councilman Woodgeard.

8:03 a.m.