WATER/WPC Committee Meeting
March 11, 2020
8:00 A.M.
WASTE WATER TREATMENT CONFERENCE ROOM

Attendance: Tom James, Orman Hall
David Scheffler, Paul Martin, Jack Mattlin, 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 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. 2020 projects will impact the Broad and Mulberry Intersection which will need to be rebuilt prior to paving. There is a sanitary sewer line that needs to be installed at South Columbus Street and Zane Alley prior to paving.

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 2022. Application for SCIP funding was submitted October 1. The District did not select the project for funding. This will be our #1 project for the next round.

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. The warranty period is almost up and ARCADIS will be bringing the contractor’s back to check the work in April.

7. **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. Contract for design work has been signed and a kickoff
meeting was held on September 11. Placed on the WPCLF loan funding list for 2020. Plans are 30% complete and we will submit a loan application in June.

8. **South Water Treatment Plant**

There are issues with both the raw water line and the concentrate line. ARCADIS has been hired to look at solutions with a recommendation due back this spring.

9. **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 completed. Tree planting is done. Awaiting project close out.

10. **Campground Road Sanitary Sewer Extension**

The Kraner property on Campground has requested re-zoning. When the property was annexed, the City guaranteed sewer service. After discussions with Mike Pettit, we are evaluating extending the sanitary sewer to serve the CIC property, the Kraner property on Wilson Rd and the new park property. This is not an urgent need and we are waiting for a proposal from Hull and Associates who did the initial design on the Campground Road pump station.

11. **Annual Pipe Bid Legislation**

Monday March 9, Resolution 42-20 was introduced. Second reading passage was requested. This bid will be for 3,000 feet of 8 inch, 600 feet of 6-inch pipe and various necessary fittings. This is an annual resolution to purchase material to replace/repair pipe lines in the water distribution system.

At this time, the planned 2020 watermain replacement areas are:

- Talmadge Avenue – Lincoln to Reese
- West Sixth – Hocking to Washington
- East Fair – Arbor Valley to Boyd
- Pierce Avenue – River Valley Blvd to Zimmer

**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 to December. Trees have been planted. Waiting for final evaluation by Ohio EPA.

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 awarded to Trucco Construction and Notice to Proceed issued. Construction to begin in March.

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. Waiting for funding.

5. **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 did not have any bidders. After discussion with LDOT will re-bid in 2020 for construction.

6. **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 expected to take 9 months. Contracted awarded to Trucco Construction and work has started. Bore under Memorial Drive completed. Work started on Fifth Avenue. Issue with AT&T fiber line conflict that caused redesign and 3 week delay.
7. **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. Contract signed with Hull and Associates for work related to the grant application.

8. **Broad Street and Mulberry Street Intersection**

LDOT has indicated that they wish to pave Broad Street as part of the 2020 pavement project. CCTV inspection of the storm and sanitary sewers indicate that reconstruction work to repair sewers and provide additional manholes is needed. Design is wrapping up and project should be advertised for bids on March 13.

9. **Hunter’s Run Conservancy District**

Hunter’s Run Conservancy District is in the process of hiring a consultant to develop a new assessment process and the City has been advising. They hope to make some minor changes for the 2020 tax year and have a new system in place for the 2021 tax year. This will impact properties within the City.

**Motion to adjourn made by Councilperson Hall, second by Councilperson James.**

9:30 a.m.