

UTILITY COMMITTEE
December 4, 2019 10:00 a.m. Newburgh Town Hall

Present: Bill Kavanaugh, Carol Schaefer, Christy Powell, Susan Helms, Leon Key, David Hynes and Chris Wischer. Others in attendance: Jim Morley, and Bill Bivens.

Utility Chair Bill Kavanaugh called the meeting to order at 10:00 AM with a quorum present.

Consent Agenda

Monthly Tracking Report, Inspection Status Report, Sewer Repairs Report, Tap Report, Financial Report, Monthly Sewer Adjustment and approval of November 6, 2019 minutes.

Motion: Carol Schaefer moved to approve the consent agenda.

Motion seconded: Christy Powell

Discussion: Tap sales included a Bell Road Apartments building and Popeyes Restaurant.

Motion passed unanimously.

Committee Discussion Items

Wastewater Treatment Facility Superintendent, Leon Key

1. Request for a recommendation to Council to allow Commonwealth Engineering Inc. (CEI) to assist in the annual Capacity, Management, Operation and Maintenance (CMOM) report preparation.

Motion: Leon Key moved to recommend to Council to approve the request for Commonwealth Engineering Inc. (CEI) assistance to prepare the annual Capacity, Management, Operation and Maintenance (CMOM) report.

Motion seconded: Christy Powell

Discussion: None

Motion passed unanimously.

Mr. Key stated an electrical control problem on December 2, 2019 shut down the Blue Lake Lift Station causing an overflow which allowed approximately 100 gallons to enter Blue Lake. Signs were posted to notify residents. An additional incident took place on Saturday, November 30, 2019 when an electrical short caused the lift station to lose power; this did not cause an overflow. This particular electronic cabinet is aging and will need replacement. The wastewater facility was 15-days from the 6-month mark with no overflows when the incident occurred.

2. Request for a recommendation to Council that the following individuals receive \$500.00 certification bonuses:

a. Jason Tillotson: Indiana Water Environment Association (IWEA), Class 1, Collection System Operator Certification

b. Alec Moore: IWEA Class 2, Wastewater Collection System Operator Certification

c. Zach Carter: IWEA Class 2, Wastewater Collection System Operator Certification

Mr. Key requested a bonus for Jason Tillotson, Alec Moore and Zach Carter for passing a certification exam.

Motion: Christy Powell moved to recommend to Council to approve a \$500.00 certification bonuses for Jason Tillotson, receiving a Class 1 Indiana Water Environment Association (IWEA) Collection System Operator Certification and for Alec Moore and Zach Carter, receiving a Class 2 IWEA Wastewater Collection System Operator Certification.

Motion seconded: Susan Helms

Discussion: None

Motion passed unanimously.

Engineer Report – David Hynes

1. Manhole Rehabilitation Project, Permits and Land Acquisition Assistance

Mr. Hynes stated the preliminary design has been completed on the Manhole Rehabilitation Project. There are land acquisition and permitting issues not included in the current contract. Mr. Wischer will prepare a contract amendment for the project. Mr. Key stated many of these subdivisions don't have easements and must be researched to avoid problems.

Motion: Christy Powell moved to recommend to Council to allow CEI to prepare a contract amendment for the Manhole Rehabilitation Project, Permits and Land Acquisition Assistance.

Motion seconded: Leon Key

Discussion: None

Motion passed unanimously.

3. Blue Lake Subdivision's Basin Modeling Study, Final Report

Mr. Hynes stated the Blue Lake Lift Station Sub-Basin was modeled in 2016 and uncovered a series of improvements needed from the lift station to the wastewater treatment facility. The Blue Lake Lift Station, Victoria Lift Station and Victoria Force Main all need upgrades. The flow model conducted in November 2018 was believed to be inaccurate as a manhole was found open after the study; the new study showed the inflow was significantly decreased. Mr. Hynes distributed copies of the November 2019 completed modeling study. Referring to page 2-15, proposed upgrades will increase the Blue Lake Lift Station capacity from 430 gallons per minute (gpm) to 630 gpm. Drainage improvements will also be completed. A new wet well will be constructed. The final design for the project will move forward immediately.

Petitions and Comments from Citizens Present

10:15 am – Jim Morley, Morley & Associates, Prospect Drive Retention Basin

Mr. Morley distributed drawings of the sewer line in the Prospect Drive Retention Basin located in the Warrick Research Industrial Center Area between Vann Road and Prospect Drive. As displayed in Option 1, the preferred option, the dry basin would lay on top of the sewer line. During a heavy rain, the water would pool on top of the sanitary sewer for a short period of time. Option 2 splits the dry basin by creating a dam between the basins and over the sewer line. Mr. Key and Mr. Hynes felt the issues with Option 1 were unlikely to occur and agreed to allow the basin exist over the sewer. Mr. Wischer will prepare an encroachment consent.

Motion: Christy Powell moved to recommend to Council to approve the request by Jim Morley to construct a Retention Basin on Prospect Drive as detailed in Option 1 provided an encroachment agreement is signed.

Motion seconded: Carol Schaefer

Discussion: None

Motion passed unanimously

10:30 am – Bill Bivens, Accu Surveying & Engineering, Pebble Creek

Bill Bivens, Accu Surveying & Engineering, submitted revised plans for Pebble Creek #2 Planned Unit Development (PUD) showing duplexes on Lots 48 through 60 which increases the number of buildings from 14 to 27. The existing 6" lateral is located in the center of the restrictive public utility easement (RPUE). Mr. Bivens requested a variance to use Double Wye connections from the 6" lateral for each duplex condo. Mr. Key does not feel the lateral stubs are in alignment with the proposed lots and 13 lots do not have a lateral stub. A clean out will be needed at the end of each 'T' and the 'T' must be located at the easement line. The plans will be reviewed and Mr. Bivens will attend the January 8, 2020 meeting.

Motion: Christy Powell moved to table the request by Bill Bivens for a Pebble Creek lateral connection variance pending plan review.

Motion seconded: Leon Key

Discussion: Mr. Biven will attend the January 8, 2020 meeting.
Motion passed unanimously.

Engineer Report – David Hynes

4. Technical Memorandum, Victoria Sanitary Sewer Improvements Summary and 2. Capacity Study for Maken Corp, 140 Acres Along Oak Grove

Mr. Hynes stated that since the Blue Lake Sub-Basin flows to the Victoria Sub-Basin, it was necessary to reevaluate the upgrades in the Victoria Sub-Basin. At the time of the 2019 Blue Lake Sub-Basin Modeling Study, the analysis included the peak theoretical flows for the eight (8) approved subdivisions within the basin as listed on page two (2) in the Victoria Sewer Improvements Summary hand-out. Based on the information, increased capacity to the Victoria Lift Station must be upgraded from 910 gpm to 1,300 gpm. The model did not include the planned development of 140 acres south of Oak Grove Road, located in the Victoria Sub-Basin owned by Danny Ubelhor, Maken Corp. In order to provide capacity for this development, the Victoria Lift Station must be upgraded from 910 gpm to 1,650 gpm. In the interim, a variable frequency drive (VFD) will be installed in the Victoria Lift Station. The Town is committed to making the improvements. CEI recommends the Victoria, Blue Lake and Central Tower Lift Station upgrades begin in 2020 with the Victoria Lift Station pumps capable of pumping the maximum capacity of 2,300 gpm to handle future flows. Mr. Wischer will begin a rate analysis for the bond process and begin easement acquisitions.

5. Summer Pecka Ditch Interceptor Study, Final Report

Mr. Hynes stated Pecka Ditch, a 24" interceptor that begins at the Hwy 66 and Lincoln Ave intersection and ends at the wastewater treatment plant, was installed in 1988/89. The Pecka line has a maximum flow capacity of 19.00 Million Gallons per Day (MGD). The plant, rated for 19.00 MGD, cannot handle peak pumping capacity flow rates from the four (4) main lift station discharges (estimated at 31.6 MGD) and the future flow models show the potential for overflows. To properly rectify all problems associated, the Pecka Ditch line must: adequately convey future wet weather flows; consider future capital improvement projects; meet existing WWTP operation constraints; and, meet cover limitations. In the Summer Pecka Ditch Interceptor Study, Alternative 1 suggests a parallel gravity sewer line to serve an in-line storage during wet weather events and would be installed at a depth sufficient to provide future service to the unsewered service areas at a cost of over \$13 million. Alternative 2 suggests an emergency overflow tank in the system to reduce surcharging and overflows. An emergency overflow tank stores the waste and is pumped to the plant following wet weather events; the cost is estimated at \$18.3 million. A third alternative suggests installation of an Emergency tank (E-tank) also known as an Equalization Basin at the wastewater treatment plant but requires additional study; the cost is approximately \$19.27 million. If the Town built a westside treatment facility, any overflow would be redirected there. Mr. Hynes stated preliminary engineering for a westside treatment facility is expected to begin in 2026 and be in operation by 2032.

Motion: Leon Key moved to recommend to Council to allow CEI to study the feasibility of a westside wastewater treatment facility.

Motion seconded: Christy Powell

Discussion: None

Motion passed unanimously.

6. 2020 Sewer Retainer Agreement with CEI

Mr. Hynes stated the CEI retainer agreement is renewed each year. Mrs. Powell instructed CEI to prepare a 2020 retainer agreement.

Motion: Christy Powell moved to recommend to Council to instruct CEI to prepare a sewer retainer agreement for 2020.

Motion seconded: Leon Key
Discussion: None
Motion passed unanimously.

Town Attorney, Chris Wischer

1. Green Springs Valley Easements

Mr. Hynes stated four (4) more easements are needed in the last phase of the Green Springs Valley Project. In some instances, lines must be constructed, in others, existing lines are located outside of the easement or there is no easement. On one property, a swimming pool was built over the top of the sewer line so a split easement will be prepared.

Mr. Wischer spoke with Jeremy Mattingly regarding the Ironwood mud inflow incident. Mr. Mattingly was unaware of the event and will attend the next Utility Committee meeting.

Mr. Wischer presented the Baker Tilly Municipal Advisors analysis on wastewater rates if the Town should proceed with annexation. The study anticipates a \$700,000.00 reduction in sewer revenue as the outside Town ratepayers will become inside Town ratepayers. One option to reduce the loss is to increase the spread between inside and outside Town ratepayers by 15% which remains within the IURC guidelines. Additional options are explained in detail on Baker Tilly's Effect of Pro Forma Revenues Due to Annexation included with the attachments. A new rate comparison study is also included.

Town Manager, Christy Powell

No report.

Utility Manager, Susan Helms

1. Financial Report

Mrs. Helms stated the Sewer Operating Account balance is \$5,434,647.89. Approved projects in the amount of \$404,452.19 have not been disbursed.

2. Gary Miller, Sharon Road, Request to Allow Two (2) Buildings on One (1) Lateral

Mrs. Helms stated Gary Miller attended the August Utility Committee meeting and requested a tap to the sanitary sewer trunk line. His 5888 Sharon Road property contains two adjoining (2) parcels and if the property was sold, an easement would be recorded. At the time, the request was for his home but there is also a garage on the property that was tapped; therefore, an "Agreement for Waiver of Sewer Standards and Covenant to Not Subdivide Property" is necessary.

Motion: Susan Helms moved to recommend to Council to grant a waiver for Gary Miller, 5888 Sharon Road, to allow two (2) buildings to connect to one (1) lateral leading into the Pecka Ditch Trunk Line on the condition that if the property is ever subdivided two separate laterals will be needed and that Mr. Miller sign an "Agreement for Waiver of Sewer Standards and Covenant to Not Subdivide Property".

Motion seconded: Leon Key
Discussion: None
Motion passed unanimously.

Mrs. Helms stated the contracts have expired for The Village of Lexington II – PUD and for Lexington Estates. The as-builts remain in review and Aigner has not requested a walk-thru. Mr. Wischer will prepare an amendment with a one-year expiration.

The committee agreed to reschedule the January 2020 Utility Committee meeting from January 1, New Year's Day, to January 8, 2020. The meetings in 2020 will begin at 9:00 am.

Motion: Motion: Carol Schaefer moved to adjourn the meeting.

Motion seconded: Susan Helms

Discussion: None

Motion passed unanimously.

The meeting adjourned at 11:57 AM.