MINUTES
SEWER ADVISORY BOARD (SAB) MEETING
JANUARY 24, 2019

The regular meeting of the Upper Allen Township Sewer Advisory Board was held on January 24, 2019 in the Upper Allen Township Municipal Building, 100 Gettysburg Pike, Mechanicsburg, Cumberland County, Pennsylvania.

MEMBERS TOWNSHIP OFFICIALS
George Bedorf, Chairman Rick Castranio, Commissioner
Christopher Gleeson Paul M. Rigney, Commissioner (absent)
Bruce Yerger, Secretary Barry A. Cupp, Sewer Dept. Manager
Dave Gabel Kodi Hockenberry, Asst. Sewer Dept. Manager

GHD ENGINEERING SERVICES
Joel Kostelac, P.E.
Melissa Smith, P.E.

Chairman Bedorf called the meeting to order at 7:06 p.m. The Pledge of Allegiance was recited by all. Roll Call was taken by Sewer Department Secretary, Kathy Ferrari.

REORGANIZATION OF BOARD
Mr. Gabel made a MOTION to elect officers of the Upper Allen Township Sewer Advisory Board for 2019 as follows:

Chairman: George Bedorf
Vice Chairman: Christopher Gleeson
Secretary: Bruce Yerger

SECONDED by Mr. Gabel. ROLL CALL: carried unanimously.

APPROVAL OF MINUTES
OCTOBER 18, 2018

Chairman Bedorf called for approval of the minutes of October 18, 2018 meeting. Mr. Yerger made a MOTION to approve the minutes of October 18, 2018. SECONDED by Mr. Gabel. ROLL CALL: carried unanimously.
CHAIRMAN’S ANNOUNCEMENTS

Effective immediately, Vice Chairman, Phillip Brath resigned from the Board due to a conflict with his work schedule and the meeting schedule. On behalf of the Board, Chairman Bedorf expressed thanks to Mr. Brath for his many years of service and noted that his technical skills will be missed.

Regarding the current vacancy, Mr. Cupp reported we do have a potential candidate to fill the vacancy. His qualifications include working in the wastewater field for seven years as a plant inspector and he has a “Class B” wastewater license. The Township Administrative Assistant contacted him this week and he expressed interest with serving on the Board. The appointment to this Board will appear on the next Board of Commissioner’s agenda. Mr. Cupp asked for any input from this Board. Chairman Bedorf noted that the Commissioners have the right to appoint who they feel is best qualified. He added that while a recommendation from this board is probably appreciated, his understanding is that it is not required. Discussion ensued regarding policy and procedure. In conclusion, Commissioner Castranio will relay to the Board of Commissioners this board’s sincere interest to meet the candidate before appointment approval to the board.

CHAIRMAN’S RECOGNITION OF VISITORS

There were no visitors.

OLD BUSINESS

ALLENDALE INTERCEPTOR/LEGACY PARK PROJECT

This project consists of 8,175 l.f. of new and replacement 18” PVC pipe. The overall project estimate has varied from $1 million to $3 million and the project is broken into five segments (A through E). A portion of Segment A is currently under construction and for 2019 $828,950 has been budgeted for the completion of Segments A and B. The current long-term plan is to construct Segments A-D from 2019 through 2021. Segment E (2,630 l.f.) would possibly not be constructed until 2027 due to budget constraints.

To date, approximately 60 l. f. of new 18” PVC interceptor has been constructed where the new interceptor crosses Allendale Rd. (in connection with Township road and drainage improvements) and 425 l.f. is now being constructed at the entrance to Legacy Park along S. Market St., for a combined expenditure of approximately $217,384. In addition, approximately $85,665 has been spent to date on Professional Services. So far, all work completed on the Allendale Interceptor has been completed through developer contractors, by separate agreements with Upper Allen Township. This will not be the case for segments D and E because there are no developers involved, these segments will have to be put out for bid.

Projected costs for future segments of the Allendale interceptor project are summarized as follows:
• Segment C – 1,090 l.f. (2020) - $351,950
• Segment D – 1,485 l.f. (2021) - $521,910
• Segment E – 2,570 l.f. (2027) - $1,113,612

Mr. Cupp pointed out that when you get to Allendale Road it is an existing functioning sewer, however, when we tie in the new interceptor the line then becomes over capacity. He stated that we cannot tie in and get rid of the pumping station until this last segment is complete. This last segment is a very long piece and involves bypass pumping and will be very expensive. Chairman Bedorf commented that he thought we had originally planned to just connect with the interceptor “as is”. Mr. Cupp responded that was correct, but it was then determined that the line was undersized and did not have the capacity. It was noted that the new interceptor extension is an 18” line, while the existing interceptor at Allendale Road is a 12” line.

GHD INTERCEPTOR/TRUNK SEWER FLOW MODELING

GHD is currently working on the hydraulic model for Grantham Basin East, consisting of a portion of the Grantham interceptor, the Lisburn Rd. trunk, the Rider-Musser trunk and the Bumble Bee Hollow Road trunk sewers. Upper Allen Township staff has provided GHD with all available manhole elevation data for the Grantham basin to be incorporated into the analysis.

CANTERBURY ESTATES TRUNK SEWER REPLACEMENT AND STORMWATER SWALE REGRADING PROJECT

This project consists of the replacement of 665 l. f. of existing 8” VCP pipe with new 12” PVC pipe. The existing lines are over capacity. Re-grading of the adjacent storm water swale will also be incorporated into the project. The estimated cost of this project is $342,660. Design and permitting are substantially complete and the goal is to advertise the project for bids in February 2019, with construction anticipated in May and June. Mr. Kostelac added that GHD received comments this week for the general permit.

DEP will not approve any new development upstream until this project is complete. DEP Planning has been approved for the Arborview development, but no sanitary sewer connections can be made until sewer improvements are completed. Mr. Kostelac commented the DEP permit in question was submitted in September. Mr. Bedorf questioned how the stormwater regrading work is being funded. Mr. Cupp responded that the project involved grading and stabilization for the sewer so the regrading work for the stormwater was included. Commissioner Castranio pointed out that the project is referred to as the “Canterbury Estates Trunk Sewer Replacement Project” but noted that the project work area is in the Center Square Development. Discussion ensued regarding the severity of the flooding in this area and past and present complaints by the development’s residents regarding stormwater drainage. Mr. Kostelac stated that as Mr. Cupp mentioned, the swale reconstruction work does extend beyond the extent of the sewer replacement on both ends.
This was necessary in order to address existing drainage issues. Mr. Bedorf said that it seems to him that overall the current project design is most beneficial to the Township and residents. Discussion turned to difficulties with work space area, obtaining easements (temporary and permanent) and locating storage areas for material storage. Mr. Gleeson and Mr. Gabel questioned whether this project was being done because of development capacity requirements. Mr. Cupp responded that it was previously determined that the lines were over capacity and therefore needed to be replaced before any development plans could be approved upstream of the problem area.

**GRIT AND GREASE HANDLING FACILITY**

This project is budgeted for 2019 at an estimated cost of $123,000. The facility consists of a structural concrete pad measuring 14 ft. x 21 ft. designed to allow the Township’s Vactor truck to dump and contain wastewater mixed with grit and grease, allowing the liquid to drain back to the head of the plant while retaining grit grease and other debris. This material will then be scooped out with the tractor loader for disposal in a dumpster or roll-off container. It was noted that the structure is designed to become an integral part of a future covered sludge storage pad, if and when such a structure is ever constructed. The Board of Commissioners approved GHD’s design proposal for the grit and grease facility on November 21, 2018. Design is to begin in the near future, with bidding and construction to follow later this year.

**NEW BUSINESS**

**SEWER BUDGET**

Mr. Cupp presented a PowerPoint presentation detailing the 2019 budgeted capital projects plus anticipated future capital projects. He reported that during 2019 budget discussions the Board of Commissioners stated that they do not want to borrow any additional money or raise sewer rates for capital projects unless absolutely necessary.

Chairman Bedorf commended Mr. Cupp on his presentation/summary. Mr. Yerger noted that the maps in the presentation gave him a better understanding of where the projects are located.

**LISBURN TRUNK AND GRANTHAM INTERCEPTOR SEWER IMPROVEMENTS PROJECT**

This potential future sewer improvements project may consist of the replacement construction of approximately 5,643 l.f. of 12” and 21” PVC pipe at a preliminary estimated cost of $826,083 (based on a preliminarily determined 54% Township cost share).

Oakwood Hills development is currently under construction along W. Lisburn Rd. by Rider Musser Development. Sewage flow capacity was questioned in this area based on a flow model prepared by Gannett Fleming in 1998 indicating that several lines along the Grantham
Interceptor and Lisburn trunk were near design capacity. A preliminary update flow analysis was completed by GHD in 2018 and based on that analysis it was determined that there is enough existing sewer capacity to accommodate Phase 1.A of the Oakwood Hills development project. Based on this analysis, DEP approved planning exemption for Phase 1.A development. Future phases of development however will require completion of a hydraulic flow model, full DEP planning, and sewer system improvements to increase flow capacity where required. In addition, any sewer improvements triggered by future phases in Oakwood Hills will include cost sharing in accordance with an agreement between Rider Musser Development, LLC and Upper Allen Township. Cost and sharing percentages are dependent upon the GHD Flow Modeling analysis results. Mr. Cupp stated that currently we do not know the results of the analysis but tentatively it looks like we may have to replace the Grantham Interceptor all the way from the treatment plant up to the Messiah maintenance buildings and from there up to Lisburn Road. The distance of the replacement would be over a mile (5,600 feet) of 12 and 21” pipe installation. The current approved Phasing Schedule for this development indicates future phases occurring in 2022-2023. However, the developer has recently indicated that they may seek approval to advance the phasing schedule. Should this occur it will affect timing of other Township capital projects. Mr. Bedorf commented that it is his understanding that we are committed to the Legacy Park project through the development, installing the interceptor at the same time as the development work at optimal cost. Mr. Cupp referred to a Feasibility Study conducted in December 2015 by GHD which looked at the long-term cost of replacing Market Street Pumping Station No. 1 and the force main verses constructing a gravity interceptor. At that time, the gravity interceptor option was $260,000 cheaper, and the Board of Commissioners approved moving forward with the project. Because construction costs have increased significantly since that time, GHD Engineering was asked to provide the Township with updated costs for review. Chairman Bedorf questioned if the pump station will be in place and in operation until the entire project is complete in 2021. Mr. Cupp responded “yes”, that it could potentially be in operation for the next ten years. He stated that currently the Township is having the grinder rebuilt at a cost of around $6,000. Mr. Bedorf stated that while it may sound outrageous, one alternative may be to abandon the interceptor project if Oakwood Hills development requires capacity sooner than planned. He said that even though we have already spent a large amount of money on the Allendale interceptor, if construction of a gravity interceptor verses rebuilding the pump station is no longer justified it may be in our best interest to abandon the project. He added that you cannot get back spent money, but you can make different and better decisions going forward. Discussion turned to current agreements with the developer with regard to the pumping station, cost updates, feedback from the developer’s contractor, capacity, review and final analysis of the pump station status. Mr. Kostelac stated that if we abandon the interceptor plan the pump station will have to be upgraded.

**GRANTHAM WWTP – REPLACEMENT OF BELT FILTER PRESS WITH NEW TECHNOLOGY DEWATERING EQUIPMENT**

This project which is tentatively planned for 2024-2025 has a preliminary estimated cost of $1,641,000, based on replacement with a centrifuge. Other new technology dewatering equipment will be looked at as well.
The current Envirodyne Belt Filer Press is over 25 years old. Equipment is in good working condition, but parts are becoming more difficult to get. In December 2018 representatives of Envirodyne Systems, Inc. performed a field service inspection of the equipment to determine what spare parts are recommended, to keep the belt press running another five years or so. Components and labor recommended for immediate replacement total $18,842. Components and labor recommended for future replacement (after say 5 years) total $80,950. The Township will have to move forward with “immediate replacement” items; however, the goal would be to replace the belt filter press before spending money for any future replacement items. Budget restraints prevent us from replacing the belt filter press any sooner.

**MISCELLANEOUS**

Commissioner Castranio stated that he thinks it is important for the Sewer Advisory Board to keep on top of the Allendale Interceptor/Pump Station cost review this year. He said that if there is a critical need for any of the above projects he would be in favor of taking out a loan or bond to finance such projects.

Regarding the agenda, Commissioner Castranio suggested that Mr. Cupp list new plans on the agenda to keep the Board up to date on the location and status of new development in the Township. Chairman Bedorf suggested Mr. Cupp email any information to the Sewer Advisory Board members that he feels is beneficial and should be reviewed before the packets are delivered. He added that this will give the Board additional time to review information and be prepared for discussion at the next meeting.

Regarding our cost share agreement with the Lower Allen Township Authority, Commissioner Castranio asked whether there are any new costs that would impact Upper Allen. Mr. Cupp replied they may have some equipment replacement costs but no major improvement costs that would adversely affect our Township budget.

**PUBLIC COMMENT**

There was no public comment.

**ADJOURNMENT**

With no further business to discuss, Chairman Bedorf adjourned the meeting 7:55 p.m.

**NEXT MEETING IS SCHEDULED FOR FEBRUARY 28, 2019 AT 7:00 P.M.**