



CAPITAL & CONSTRUCTION COMMITTEE

Monday July 2, 2018 @ 4:30 p.m.
Memorandum

ROLL CALL

Present: Committee Members Eric Hand and Marilyn Anderson. Others in attendance were Board member Michael Shaver, Utility Director Andrew Williams, District Engineer Ryan Hartman, Engineering Manager Wes Merkle, Collections Superintendent Aaron Strong, Legal Counsel Anne Poindexter, Administrative Assistant Maggie Crediford and Paul Brown from Dreyer and Reinbold.

Mr. Steve Pitman was absent.

Mr. Eric Hand called the meeting to order at 4:32 p.m.

PUBLIC COMMENTS

Mr. Merkle stated that a Paul Brown from Dreyer and Reinbold was at the meeting and would like to have agenda item 4 - Additional Service Area at 96th Street and Keystone - moved to the first item. The committee members reordered the agenda.

ADDITIONAL SERVICE AREA AT 96TH STREET AND KEYSTONE

Mr. Merkle stated that the three property owners in that area would like the Utility to take over the private sewer system. The system has been inspected and televised by Utility staff and the City of Carmel. The estimated costs to redo part of the system, make necessary repairs to bring the system up to Utility standards and replace the existing lift station will be at least \$300,000. Mr. Merkle stated that the three property owners would like the Utility to finance the cost of the repairs and upgrades for them. Mr. Paul Brown from Dreyer and Reinbold confirmed that the three affected property owners would prefer that the Utility cover the costs of the project and have the property owners pay the Utility back over time and even charge interest if it would like to. Mr. Hand asked if there are any other adverse things in the area that should concern the committee for example surface drainage or environmental cleanup. Mr. Merkle stated that he did not believe there would be any such issues. There are some FOG issues but the businesses in the area related to FOG don't feel that they will make it through the construction of 96th and Keystone. At the end of the construction Carmel will have remnant parcels that could accommodate businesses in the future.

Ms. Anderson stated that it appears that the cost to the property owners would be substantially less if they installed their own laterals and grinder stations. Mr. Merkle said that the property owners have indicated to Staff that they don't have any interest in

maintaining their own sewer systems. Ms. Anderson stated that she is uncomfortable with the Utility incurring the costs and financing the project for the property owners. She asked if the \$300,000 is for the initial costs or does that number include potential problems that could arise. Mr. Merkle stated that the infrastructure has been televised and inspected and that there shouldn't be any major surprises involved with repairs. Mr. Hand asked what the timeline is for making a decision on a temporary connection vs a permanent connection. Mr. Merkle stated that the City of Carmel would like for the temporary connection to occur within the couple of weeks, he suggested a 12-month limit on temporary service. Mrs. Poindexter explained that it would be surprising if after the temporary connection was made that the property owners would choose to disconnect from the system after 12-months and that the agreement should stipulate that after 12 months the temporary connection would become permanent. Mr. Merkle said that he and Mr. Hartman have been looking into the viability of reusing components from Lift Station 6 for this area when it is taken off line. The power supply to the existing lift station is the same as it is at Lift Station 6, the components are 6-7 years old, they could be moved to this location and reused to save money. Mr. Merkle indicated that an agreement could be formatted similar to what the Utility did with Jackson's Grant. Committee members agreed to move the proposal along to the Budget and Finance Committee, which will need to hold a special meeting before the next Board Meeting on Monday July the 9th to discuss the feasibility of the Utility financing the project for the property owners.

JACKSON'S GRANT SEWER SERVICE AGREEMENT AMENDMENT 4

Mr. Merkle stated that the developer has received quotes for the last section of oversized sewers at Jackson's Grant. Eagle Valley provided the low quote. Including design, permitting, and construction the cost will be \$391,381. When Jackson's Grant Section 6 is fully developed the developer will reimburse the Utility the sewer construction costs that they would have incurred anyways as well as pay interceptor fees. Mr. Merkle stated that Staff is comfortable with the contractor. The price came in a little over budget due to the fact that they have to cross two creeks in the area and the sewer pipe in those areas will need to be pressure grade pipe. Mr. Hand asked if there is sufficient flow in the area to keep flow moving through the oversized sewer pipe in that area until development is completed, and flow is increased. Mr. Merkle stated that no flow will go through the new line until Lift Station 4 goes offline, and that nothing will be connected until that time. Mr. Williams stated that Staff has communicated with Mrs. Book regarding the easement needed across her property and she is waiting for the easement documents. Mr. Merkle stated that Staff would like to take Lift Station 4 offline sooner rather than later, the pumps are at the end of their useful life. Mr. Shaver asked how long the Utility will be financing the project. Mr. Merkle stated the developer plans to proceed with full construction of Section 6 in 1-2 years. Mrs. Poindexter stated that we are building it now and the developer will repay the utility when they are ready to connect into the system.

Mr. Hand motioned to accept Jackson's Grant Sewer Service Agreement Amendment 4 and Ms. Anderson seconded the motion and agreed.

#1701/1906 WWTP OUTFALL SEWER ENGINEERING SERVICES

Mr. Merkle stated that staff received proposals for engineering services for the outfall sewer expansion to Eagle Creek. All firms had experience at the WWTP and comparable qualifications, and GRW was at least 20 percent less expensive than the other proposals. He asked the Committee to move forward with GRW's proposal. Mr. Hand made a motion to approve Ms. Anderson seconded the motion and agreed. The motion passed.

Mr. Shaver asked how much it will cost to acquire the easements needed to complete this project and how many easement acquisitions are needed. Mr. Williams stated that those amounts will not be known until preliminary design work is complete and discussions are had with property owners. Mr. Merkle stated that at this time it is believed at least six easements will be needed. Mr. Shaver asked how long it will take the Utility to acquire the land. Mr. Merkle estimated it would take about six months.

OTHER BUSINESS

Mr. Williams stated that flyers went out with the latest customer billing statements and the website has been updated to reflect the name change. CarmelFest will be a large public outreach effort to let people know about the name change. Staff has indicated that although they are now answering the phones "TriCo Regional Sewer Utility", no one has asked any questions yet or voiced any concerns other than to ask who their check should be made out to.

CAPITAL PROJECT UPDATES

#1702-96th Street and Keystone Sewer & Force Main Relocation

The Utility's relocation work is substantially complete. The last piece of the relocation will be done by the City of Carmel's contractor in a later phase of construction.

#1705-99th Street Sewer Extension and Lift Station 6 Elimination

Staff recently met with a potentially new member of the development team to discuss this project. Sewer design is on hold until development moved forward.

#1707-Negihborhood Sewer Projects

Work is substantially complete. Staff will send out letters to property owners to notify them sewer service is available.

#1801-Lift Station 4 Elimination

Design and permitting are nearly complete. Bids will be received when Jackson's Grant Section 6 is nearing completion.

#1901-Lift Station 14 Parallel Force Main

Design work continues. Six easements are needed and the engineer has reached out to those property owners.

Mr. Shaver questioned if adding a parallel force main at Lift Station 14 will cause stress on a system that already has I&I issues. Mr. Merkle discussed with Mr. Shaver a chart from GRW produced for the Washington Township study work last year showing daily flow totals from 2014-2017. Mr. Merkle stated that this chart shows daily flow totals, not instantaneous or peak hour flows that are commonly used to determine lift station capacity. Mr. Shaver asked if there are totalizers on the flow meters. Mr. Williams stated that the SCADA system calculates daily totals based on instantaneous flows reported to

the system each day. Mr. Shaver stated that the additional pipe will send more flow and overload the plant. Mr. Williams stated that IDEM requires wastewater utilities to pump the flow as far through the system as possible during wet weather events. IDEM does not want an overflow at other points in the system to mitigate potential trouble spots downstream. From an environmental standpoint overflowing from the effluent sewer would be treated water. Mr. Shaver asked when the outfall expansion will be completed. Mr. Merkle stated that it is slated for 2019 construction pending easement acquisition. The completion of the Lift Station 14 Parallel Force Main will accommodate future development and growth in that area. Mr. Shaver asked why staff is not prioritizing I&I removal. Mr. Merkle replied that a certain amount of I&I is expected with all gravity sewers, the question is what is reasonable and what is not. Generally the standard is to look at the ratio of peak hour flows in wet weather to average daily flows in dry weather, this is called a peaking factor. Given its size Basin 14 should have a peaking factor of less than 3.5 which it does. Staff can chase I&I but not enough will be found to change the scope of the project, given what we already know from sewer televising and manhole inspections in this area. Mr. Shaver stated that he has a problem with increasing the amount of flow to the plant with an additional force main when there is already a problem getting it out at the other end and he doesn't want a new force main until the other issue is resolved. Mr. Merkle reiterated that growth is the driver behind this project. The Utility has a good history for finding and resolving I&I issues throughout the system. Mr. Shaver stated that if the new force main is for potential growth then he is ok with that. Mrs. Poindexter pointed out that the Utility does not control growth in the area, and that if growth happens and the Utility will have to handle the additional flow produced.

#1902-WWTP Expansion

Mr. Merkle stated that O.W. Krohn Associates is reviewing financials and expects to have results ready later this month. Mr. Mills had previously proposed a joint C&C and B&F Committee meeting for July 27th to further discuss the WWTP Plant Expansion. Ms. Anderson and Mr. Hand indicated that they would be able to attend.

Mr. Hand made a motion to adjourn the meeting at 5:35 p.m. Ms. Anderson seconded the motion and the meeting adjourned.

Respectfully submitted,



Wes Merkle
Engineering Manager