Hooksett Sewer Commission
September 1, 2020
Meeting Minutes

This meeting was called to order at 12:00pm. Present were Chairman Sidney Baines, Commissioner Frank Kotowski, Commissioner Richard Bairam, Superintendent Ken Conaty, Assistant Superintendent John Clark, Plant consultant Bruce Kudrick, Town Engineer Bruce Thomas and Dave Mercier from Underwood.

Approve and Sign Manifest

Approve Minutes: Commissioner Richard Bairam made motion to approve the minutes from August 18, 2020. Commissioner Frank Kotowski seconded. All in favor, the motion was carried unanimously.

Read Correspondence

Financial Report: None

Scheduled Appointments: 12:15pm David Mercier from Underwood and Town Engineer Bruce Thomas **RE: TIF sewer pump station location.** Discussion was had on how to proceed with plans to connect the Exit 10 area of Hooksett to sewer. Notes were presented to the Hooksett Sewer Commission regarding this topic, (See Attachment 1).

Superintendent Conaty's Report:

Plant: John Clark and Scott Tremaine are preregistered in the DMR system, they just need to be signed by Chairman Sidney Baines.

Computer: Superintendent Ken Conaty would like to purchase a new computer for the Lab. The computer would cost $1200.00. Commissioner Frank Kotowski made motion to grant permission to Superintendent Conaty to purchase a new

lab computer for $1200.00. Commissioner Richard Bairam seconded. All in favor, the motion was carried unanimously.

Tif Project: Williamson pump and motor is ready to be scheduled to come out and replace the air valve on the pump station.

Main Street Pump Station: Graves Engineering submitted a change order request in the amount of $36,027.13 This includes work completed through July 31, 2020. Commissioner Frank Kotowski made motion to approve the change order submitted by Graves in the amount of $36,027.13. Commissioner Richard Bairam seconded. All in favor, the motion was carried unanimously.

Old Business: None

New Business: The next Sewer Commission meeting is September 15, 2020
The Sewer Commission reviewed the Town of Hooksett COVID-19 Travel Policy
The Sewer Commission would like to set up a meeting with Arleigh Greene regarding land for future pump station. Town Engineer Bruce Thomas will draft up a potential agreement.

Non-public session: The Sewer Commission did not go into non-public session

Public Input: None

Adjournment: Commissioner Richard Bairam made motion to adjourn at 2:10pm Commissioner Frank Kotowski seconded. All in favor, the motion was carried unanimously.

Respectfully Submitted,
Frank Kotowski
Frank Kotowski

TIF District – Kimball Drive Pump Station Location

Description:

Move proposed pump station (P.S.) from Kimball Drive near Home Depot on Town Lot #53 to location on Quality Drive across from Amazon.

Pros:

- Easier and closer access to 3 phase power, water and natural gas utilities.
- The P.S. would have more reliable access from two roads.
- The P.S location and main access would be off of an industrial road rather than off a residential road
- Provides room for pump station expansion in the event that it becomes necessary.

Cons:

- Additional survey and borings will be required
- Some regrading will be required at the proposed site.
- Two boundary plans would have to be created-.
- The Town attorney will have to prepare Purchase and Sales Agreements for the land transfers at an additional cost.
- Land transfer will add time to the project and delay the bid opening. It will likely be on the order of 6 to 9 months before the land transfer is complete and the bid process shouldn't start until the land transfer was complete. If the decision is made to stick with the existing location, The project would be ready to bid in 4-5 months (from receiving the decision).
- The gravity sewer will become deeper from the south and the P.S. wet well will be deeper.
- The force main will be longer.

Neutral:

- Newly proposed location of pump station is owned by Arleigh Greene. Mr. Greene will have to agree with the land swap, and agree to provide an easement for the directionally drilled force main across Lot 53.
- Siting the station on the Town lot opens an opportunity to extend gas to several residences along Kimball on route to the new station location.
- If possible, a cross access drive between Kimball and Quality should be constructed in either case not only to afford improved access to the pump station, but also for the improved access and safety of the residents along Kimball.

Process:

Make decision regarding pump station.

- If decision is made to keep pump station where it is, proceed accordingly.

- If pump station is to be moved to end of Kimball Drive:

- Reach tentative agreement between Town and Arleigh Greene for land swap and easements.

- Get initial approvals:

    - Met with Economic Development Committee/TIF Committee (August 19, 2020)
    - Town Council. As a minimum, the Town Council will have to approve any land swaps and easements. (Conceptual Approval – September 23th with Sept. 10th. deadline to get on agenda).

- September 24th, proceed with engineering amendment, design documents and complete easement documents and boundary plans.
- Send completed boundary plans and documentation to Town Attorney to prepare Purchase and Sales Agreements.
- Have Town Council formally give permission for Town Administrator to sign Purchase and Sales Documents.
- Proceed with bid process.

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HOOKSETT WWTF, HOOKSETT, NH

Commissioners Meeting Discussion Topics

September 1, 2020 @ 12:15 PM

ROUTE 3A SEWER EXPANSION

- Relocation of Kimball Drive Pump Station to Quality Drive
  - Who will be responsible for hiring an appraiser to value the two lots? ✓
  - What is the equivalent valued acreage on the Greene lot to the Town's riverfront lot? Keeping in mind the corner of the Greene lot we are proposing to take is unbuildable to anyone but the Town due to setbacks. (Can't take more than 1.3 acres or remaining lot is unbuildable.) ✓
  - The Town owns the current lot. I assume they will become the owner of the new lot. Will the property ownership eventually be transferred to the HSC or will the Town grant HSC an easement when the PS is turned over to the HSC? X
  - Who will hold meetings with Mr. Greene? HSC
  - At what point in the land swap process will the Town be comfortable with Underwood proceeding with design on the Greene lot?
  - Will Town attorney draft the P&S Agreement?
- Other?

PHASE 3A CAPITAL IMPROVEMENTS (WWTF)

- 2016 Opinion of Cost = $4.39M
- Piloting efforts Cost = $0.93M ; $3.46M left in CWSRF loan
- 2016 Project Included:
  - New headworks (screening and grit)
  - New pumping station
  - Two new IFAS tanks
  - Existing IFAS tanks modifications
  - Aeration piping mods
  - Yard piping hydraulic fixes
- Current Preliminary Design Contract Also Includes
  - RAS/WAS pump improvements
  - Clarifier No. 1 internal mechanisms upgrade
  - Chlor/Dechlor chemicals dosing and sampling upgrades
  - Plant water pumping/piping upgrade
  - Dewatering piloting and potential upgrades
- UE held an in-house VE Workshop to brainstorm best way to accomplish above goals at lowest cost without sacrificing functionality and reliability
- Concept

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- Reuse existing headworks area; provide new coarse screen where existing screen is
- Reuse existing grit system as is
- Install new intermediate pumping station after and adjacent to grit
- Pump to new fine screen located where old grit system is; include magnetic flow meter to read influent flow
- Convert rectangle sludge tank to BRN tank, reuse 1/3rd of existing BNR tanks
- Convert the second 2/3rds of existing BNR tanks for the two new IFAS tanks
- Based on outcome of dewatering piloting/upgrades, determine if additional sludge storage and is needed and if so build new sludge tank up against hillside in corner near solar
- Concept achieves treatment goal of 1.6 MGD to <1.0 mg/L ammonia at 10 deg C
  - Avoids cost of completely new headworks building
  - Avoids cost of completely new IFAS tanks
  - Reuses existing infrastructure to maximum extent
  - Lower BRN tank volume will result in less total nitrogen removal capability, but not needed in foreseeable future
  - May have to build new sludge tank but that is easier as will be pumping to it
- Comments/Questions?
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