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## MEMORANDUM

TO: City of Lincoln

FROM: Colin Marcusen, PE (Lic. MN, ND, SD, IA, NE, PA)

DATE: June 17, 2022

RE: Wastewater Regionalization, Lincoln, North Dakota  
*Monthly Progress Report*  
SEH No. LINND 166656 14.00

The intention of this memorandum is to provide updates on the Lincoln Wastewater Regionalization Project.

### Happening Now

The Project is in Preliminary Engineering Phase. The goal of this phase is to review design alternatives and forcemain alignment options and arrive at decisions that will be carried into the Design Phase. During the last month, SEH has performed the following tasks to work toward this goal.

- Forcemain Alignment:
  - We continue to have discussions with property owners along the proposed forcemain alignment. Some of these discussions have required revisions to the alignment. We have confirmed that we will be allowed to install the pipe in City of Bismarck ROW which helps with the easement process considerably.
  - We will continue to further refine the forcemain alignment. However, boundary and site survey work has begun along the portion of the alignment for which we are fairly confident will remain as proposed.
- Based on our preliminary engineering meeting with the City, we have begun the pump station design using the following major assumptions discussed at the meeting:
  - The wetwell will be designed with two pumps to be installed now but room for a third pump in the future.
  - One 10-inch diameter forcemain will be installed rather than dual forcemains.
  - Manual screening operations are planned to save capital cost.
  - Flow equalization is not necessary based on the City of Lincoln's flows. However, equalization may be required by the City of Bismarck. At this time the design will proceed with 3 to 5 days of storage in an existing pond. SEH will continue to follow up with Bismarck to determine requirements.
  - Minimal amount of work for pond decommissioning will be performed to save overall capital cost. Sludge will be removed and berms penetrated per the requirements of the State. MVTL has been on site recently to take sludge depth measurements and samples to ensure the sludge can be land applied.
  - Grease removal will be addressed in the City by ordinance rather than trying to remove grease at the pump station.

Engineers | Architects | Planners | Scientists

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### **Next Tasks**

- Continue to have discussions with property owners to further refine the forcemain alignments.
- Conduct site survey work along the forcemain alignment – some of this work has already been completed.
- Begin to prepare easement agreements along the forcemain alignment.
- After Beaver Creek has completed their Archaeological Review, submit to DEQ for final Facility Plan Approval.
- Begin preparation of the Army Corps of Engineers permit applications.
- Complete on-site wetland delineations – this is in progress.

### **Schedule**

We are on schedule according to the Proposed Schedule laid out in the contract in that we are now proceeding with Final Design. However, we still have tasks remaining to complete the forcemain alignment. The major goal of the project is still to complete final design and begin advertisement for bidding in early 2023, allowing for construction in 2023 and 2024.

clm/mrb

Enclosure

c: Matt Schaible, SEH