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MEMORANDUM

TO: City of Lincoln

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

DATE: May 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.

- A kickoff meeting was held with City and SEH staff to discuss the project scope, communication plan, schedule, budget, and project critical success factors.
- A kickoff meeting with Lincoln, Bismarck, and SEH staff was held to discuss Bismarck's goals for the project.
- Forcemain Alignment:
 - Confirmed the connection point of the new forcemain to the City of Bismarck's collection system.
 - Discussed the forcemain alignment through Strata's property with the property owner to review the likelihood of obtaining an easement through that property. An easement will not be granted by the property owner, which lead to review of other forcemain alignment alternatives.
 - Reviewed a desktop wetland delineation to further refine the forcemain alignment.
 - Obtained utility information for City of Bismarck Utilities in order to adjust the forcemain alignment to avoid these utilities.
 - Had preliminary discussions and meetings with multiple property owners regarding utility easements across their properties for the two alignment alternatives shown on the attached exhibit.
 - Entered into easement and land use discussions with Burleigh County.
 - Revised route alternatives according to landowner discussions.
- Finalized growth projections based on City input and began to review design alternatives to be discussed at a Preliminary Engineering Meeting with City staff.
- Performed preliminary evaluations on the lift station and forcemain, screening alternatives, equalization basin, and pond decommissioning portions of the project, and initiated preparation of preliminary design memorandums for these items.

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.
- Begin to prepare easement agreements along the forcemain alignment.
- After the alignment is finalized, deliver to Beaver Creek such that they can complete their archaeological study, which is the last step in gaining approval of the Facility Plan by ND DEQ.
- Finalize preliminary design memorandums for the lift station and forcemain, screening alternatives, equalization basin, and pond decommissioning, and prepare for the Preliminary Engineering meeting.
- We have scheduled a Preliminary Engineering Meeting with the City on May 23, 2022 to discuss the following design details:
 - Forcemain sizing and number of forcemains to be installed.
 - Pump station sizing and number of pumps to be installed.
 - Options for pond decommissioning.
 - Screening options.
 - Flow equalization options.
 - Metering and Sampling.
 - Pump station location.
 - Forcemain alignments.
- Begin preparation of the Army Corps of Engineers permit applications.
- Complete on-site wetland delineations.

Schedule

We are on schedule according to the Proposed Schedule laid out in the contract in that we plan to hold our Preliminary Engineering Meeting on May 23, 2022 and proceed with Final Design shortly after. 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