

October 16, 2024

Location: North Logan City Offices – 2525 N 600 E, North Logan, UT 84341

Subject: Pre-Bid Conference

Attendees: Jordan Oldham, North Logan City – Public Works Director

Zac Root, North Logan City – Utility Division Manager

Parry Osborn, PE, Hazen and Sawyer

Nathan Hall, Hazen and Sawyer

Jim Johnson, Lundahl Building

Darrel Hansen, Spindler Construction Corporation

Mark Edelmeyer, Lundahl Building

Leslie Wood, Raymond Construction

Trever Coleman, Geary Electric

Nate Hansen, DWA Construction

Ryan Martin, Jacobsen Construction

Grant Nielsen, DWA Construction

Matt Cook, Cook Homes Inc.

*The Pre-Bid Conference for the North Logan City Green Canyon Water Treatment Plant (GCWTP) Disinfection Contact Basin Project serves as an opportunity to review the design and solicit questions from prospective bidders.*

## **Introduction**

1. Parry Osborn, with Hazen and Sawyer, starts the meeting by welcoming attendees and introducing key team members such as Zac Root and Jordan Oldham who represent North Logan City. A PowerPoint slide highlights the client and design teams including geotechnical and surveying services used in preparing the design for this project.
2. The group goes around the table and allows each contractor to introduce themselves.

## **Project Background**

1. The GCWTP, built in 1986, has not seen many updates. A 2022 study by Hazen highlighted challenges with water disinfection, prompting the need for more chlorine contact time due to updated state regulations. The solution is to construct a new disinfection contact basin that allows for chlorine dosing in compliance with the new

rules. The project aims to meet state requirements while maintaining the plant's operational flexibility, while still allowing the plant to pre-chlorinate if necessary.

2. The slide show progresses to a process flow diagram of GCWTP with the proposed improvements highlighted. The first step of the project is to isolate the 1-million-gallon (MG) storage tank. The design is to use a hot tap to isolate the line from the wells since the contractor cannot shut down the tank for this work. The second step is to update outdated chlorination equipment that needs replacement. Next, a new flow meter vault will measure the filtered water entering the new disinfection contact basin. Finally, the new disinfection contact basin is the largest and most complex element of the design. In addition, the design also adds a new chlorine analyzer and sample pump to measure the concentration of chlorine downstream of the disinfection contact basin. As part of these improvements, the existing electrical will need to be expanded to handle the proposed changes.
3. The following slide shows a plan view of GCWTP with staging, laydown, ingress, and prohibited areas highlighted accordingly. Parry emphasizes that we need to stay clear of the two buried tanks. The Contractor cannot drive over them or place any equipment or stockpiles—such as dirt—on top. It is crucial to avoid any damage to the two existing storage tanks. Another concern that should be accounted for is that the design includes excavating in relative close proximity to both the 1 MG tank and the existing treatment building. Shoring will be a significant concern to ensure we don't experience any settlement issues with either of those existing structures. As the Contractor goes through pricing and scoping timelines, please keep this in mind.

## **Project Schedule**

1. Parry changes the slide to an overview of the proposed Project Schedule.
  - Bids are currently due on November 5th, unless there are any changes. Assuming everything goes as planned, construction is expected to be completed by the end of August next year, with a total duration of around nine months.
  - The plan is to issue a Notice to Proceed on December 5th, which will be presented to the City Council for approval at their first December meeting.
  - The key milestones are loosely defined and can be adjusted as needed. The first major milestone involves isolating the 1 MG Tank. The second milestone will be when we install the valve for the bypass line along with all required valves.
2. The milestones provided are recommendations and are flexible within reason. Coordination is essential to ensure that the plan is effective, and that Zac can maintain water supply in the storage tanks during the shutdowns. If the Contractor has suggestions for a quicker approach or requires additional time, the proposed timelines can be adapted accordingly.
3. There is a third shutdown mentioned in the specifications, which is included as a contingency.

## Questions and Feedback (paraphrased)

Q: Is the new well, located up the road from GCWTP, house done?

A: *The new well pump house is almost complete and is expected to be finished before work on the disinfection contact basin begins. It will connect to the system downstream of the planned improvements and help maintain the water supply during shutdowns. Traffic concerns will mainly involve public access to Green Canyon and maintaining necessary access for plant operations. No additional construction activities are expected to be happening concurrent with this project in the vicinity.*

Q: Is a SWPPP needed for this project?

A: *Yes, a Stormwater Pollution Prevention Plan (SWPPP) is required for any construction project that disturbs more than an acre of land. The Contractor will take responsibility for obtaining and paying for the permit, and as necessary the Owner can assist the Contractor in obtaining the permit. See Specification 00 72 00 General Conditions 7.09 Permits (pg. 33)*

Q: The specifications mention a Bidder Qualification Statement and Bid Form, is there a specific format that needs to be followed?

A: *The required information for the Bid Form can be found in specification 00 40 00 Bid Form. Contractors shall provide a qualification statement stating the general contractor and their subcontractors meet the minimum experience requirements listed in the specifications.*

Q: What is the engineer's estimate for this project?

A: *\$3.9 million.*

Q: The specifications mention vibration monitoring, can you elaborate?

A: *Due to the proximity of the proposed excavation, it is necessary to monitor and mitigate distress from construction activities on nearby structures, utilities, and the proposed improvements. Specification 31 00 01 Earthwork 3.10 outlines the required testing. Additionally, before construction activities commence, the Contractor is required to submit a monitoring plan for approval. Ninyo & Moore, the geotechnical involved in the study, can be retained to provide such services, upon request.*

Q: Is there a last day for questions set?

A: *Yes, the last day for questions concerning the intent of the Bidding Documents is October 29, 2024. Please email all questions to [posborn@hazenandsawyer.com](mailto:posborn@hazenandsawyer.com). Responses will be issued to all parties recorded as having received bidding documents as necessary.*

Q: With the electrical upgrades outlined in the project, are there going to be any issues with meeting code?

*A: Conversations with the authority having jurisdiction are in process. Assume that for now, we are not addressing code compliance with the electrical panel replacement.*

**Q:** Bid Schedule Item 15 is described as all other elements of the work not included in other items as per the contract documents. Could you provide a clearer explanation of what this might include?

*A: This item includes any elements that are not explicitly detailed in the bid schedule but are essential for the successful completion of the project. Examples may include any permitting and testing requirements mentioned in the specifications.*

**Q:** Will the swap out of the existing panel occur during one of the shutdown windows?

*A: If possible, the swap should occur during one of the shutdown windows. However, depending on the schedule and demand, operations might be able to turn off telemetry at other sites with adequate notice. A backup generator may be necessary to maintain telemetry to the other sites. North Logan City will provide the backup power as needed.*