



September 11, 2023

Addendum 1

RFQ PS23-025

Request for Qualifications

Wastewater Treatment Plant Headworks Improvements

American Rescue Plan Act of 2021 (ARPA)

Addendum 1 contains questions and answers submitted via email; information, questions and answers provided in the pre-bid meeting held on Tuesday, August 29, 2023 at 10:00 a.m.

This bid will be opened at the City of Fairhope's City Services and Public Utilities Building, 555 South Section Street, Fairhope, AL 36532 at 10:00 AM on Thursday, September 14, 2023. Vendors shall acknowledge this Addendum 1 on their submitted Bid Response Form.

Questions Submitted Via Email:

1. Does a 'Table of Contents' page count towards the 25-page count, or would it be considered a tab/cover-type page and NOT count towards the page count?
A. The Table of Contents will not be considered a part of the 25-page count.
2. On Page 7 of the RFQ document, in the scoring criteria under "Previous Experience in Working with Publicly Owned Utilities". It says we will be scored on "A list of the firm's projects with publicly owned utilities, within the past ten (10) years". For us to provide a detailed or comprehensive list of all projects for all clients in the past ten years, we would probably exhaust the page count with just that. Will the City accept a summary of how many projects have been completed in the past ten years, or is the City seeking more detailed information on each project (client/size/location/date)? We don't want to lose points for being noncompliant but also want to provide the information we will be scored on.
A. A summary will be sufficient, but it is recommended that more details be given for projects of similar scope and size done in the last 2-3 years.
3. Have there been any studies completed that could offer any specific details or possible recommendations related to the plant's processes, capacities or overall treatment capabilities, that can be shared?
A. See attached Background and Description of Existing Headworks from a 2022 evaluation.

Questions Submitted During the Pre-Bid Meeting:

4. How old is the system?
A. The system was originally built in 1973 and rebuilt in 1993. A new screen was added in 2014.

5. What is the project budget?
A. The initial grant award is \$1.4 million. The remaining funds will be paid by the City.
6. Is there room for new tanks?
A. Yes, but some utilities and pipes would need to be relocated.
7. What is the timeline for the ARPA grant?
A. The City does not have the final grant contract yet and do not have the timeline requirements.
8. Does the CE&I Inspector need to be full time or periodic?
A. Periodic.

Additional Project Information Provided During the Pre-Bid Meeting:

- The vision of this project is to upgrade piping and tanks, install an additional screen, create more efficient odor control, relocate/reroute pipes for greater efficiency. The City also wants to create a redundancy in the system.
- Problems with the current system includes sand and grease issues.



2.0 Introduction

The City is currently undertaking a project to improve the existing headworks facility at the City's wastewater treatment plant (WWTP). More specifically, this project will improve the operational performance and reliability of the headworks process as well as provide capacity to meet future flow conditions and to improve hydraulic conditions within the collection system entering the WWTP. The City has commissioned Garver to complete the conceptual design effort. This Conceptual Design Report (CDR) summarizes this effort and documents the design criteria, technology alternatives, and recommended improvements and associated design concepts for the headworks improvements project.

2.1 Background

The WWTP has undergone several upgrades since originally constructed in the 1950s. The most recent upgrades to the facility were completed in 2015 and included multiple improvements throughout the plant, including the headworks. During this effort, headworks improvements included installation of a new mechanical screen and screenings washer/compactor unit along with miscellaneous rehabilitation to the existing aerated grit and grease removal channel. These improvements were made to the original structure. The original construction date of the headworks facility is not known.

2.1.1 Existing Plant Description

The WWTP provides wastewater treatment for the City and operates under National Pollutant Discharge Elimination System (NPDES) permit number 0020842. With a permitted design capacity of 4 million gallons per day (MGD), the facility utilizes an activated sludge treatment process and provides tertiary treatment prior to discharging treated effluent to Mobile Bay. Raw wastewater is conveyed to the WWTP through multiple gravity and pumped flow systems and routed to the headworks facility for preliminary treatment through fine screening and grit removal. After grit removal, screened and dewatered wastewater is directed to the aeration basins for biological treatment followed by secondary clarification to achieve separation of the effluent (liquid) and activated sludge (solids). Secondary effluent is conveyed to the compressible media tertiary filtration process and disinfected through the ultraviolet (UV) disinfection process before final discharge through the plant outfall. Solids treatment processes at the WWTP consist of aerobic digestion and sludge dewatering utilizing a trailer mounted belt filter press. The dewatering process is currently managed and operated by GreenSouth Solutions.

A site layout of the existing WWTP showing the location of the process units described above is provided in Figure 2-1.

2.1.2 Description of Existing Headworks

Figure 2-2 shows the current configuration of the headworks facility and related influent conveyance piping at the Fairhope WWTP. Raw wastewater is routed to the WWTP through multiple force mains and gravity piping systems and discharges into the influent junction box. From the influent junction box, wastewater is conveyed to the screening facility. The screening facility is configured with one perforated plate-style screen and one bypass channel with a manual bar screen should the perforated plate screen be out of service. The screenings are then washed and compacted and discharged into the dumpster.

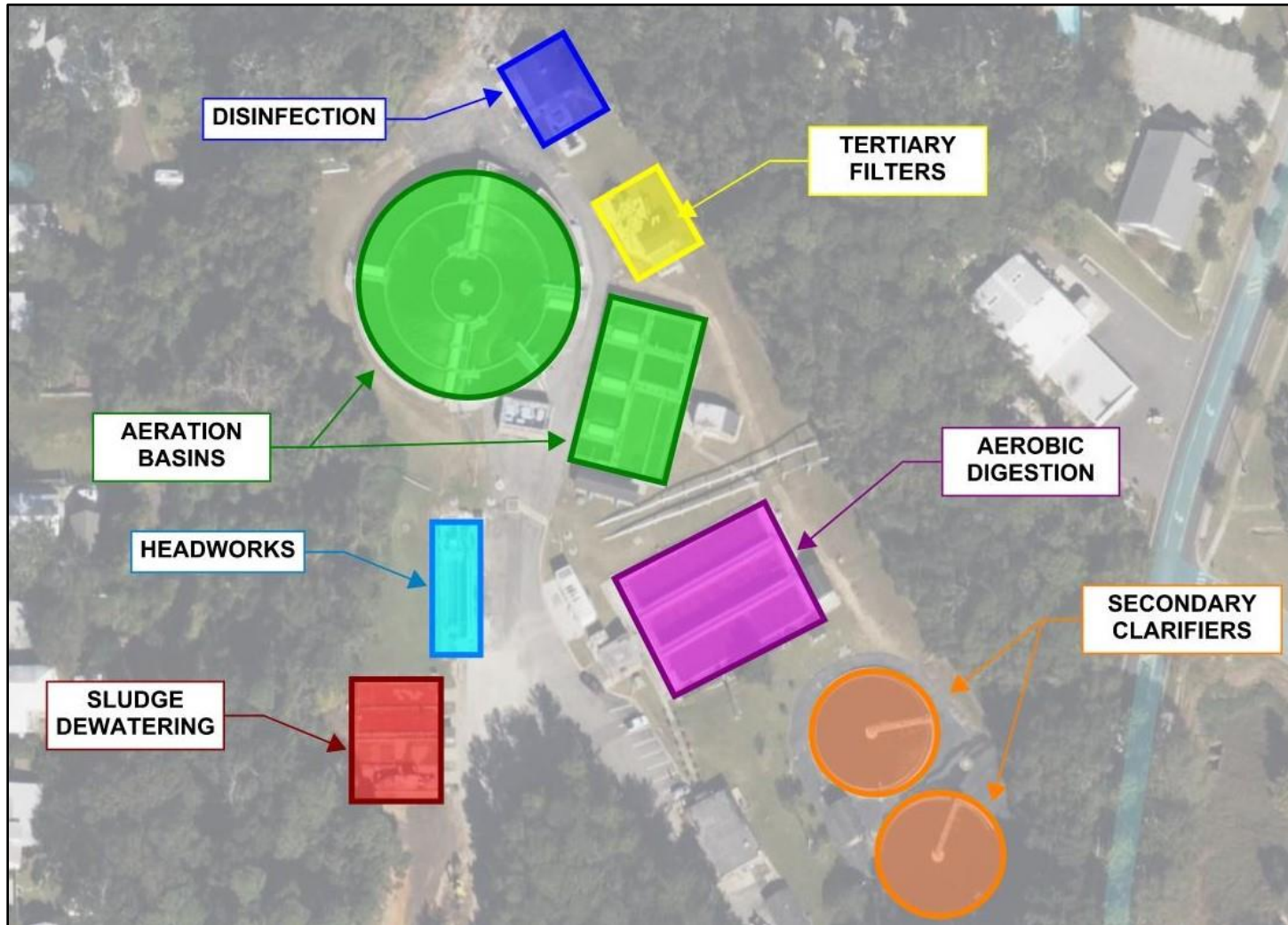


Figure 2-1: Existing WWTP General Site Plan and Major Unit Process Layout



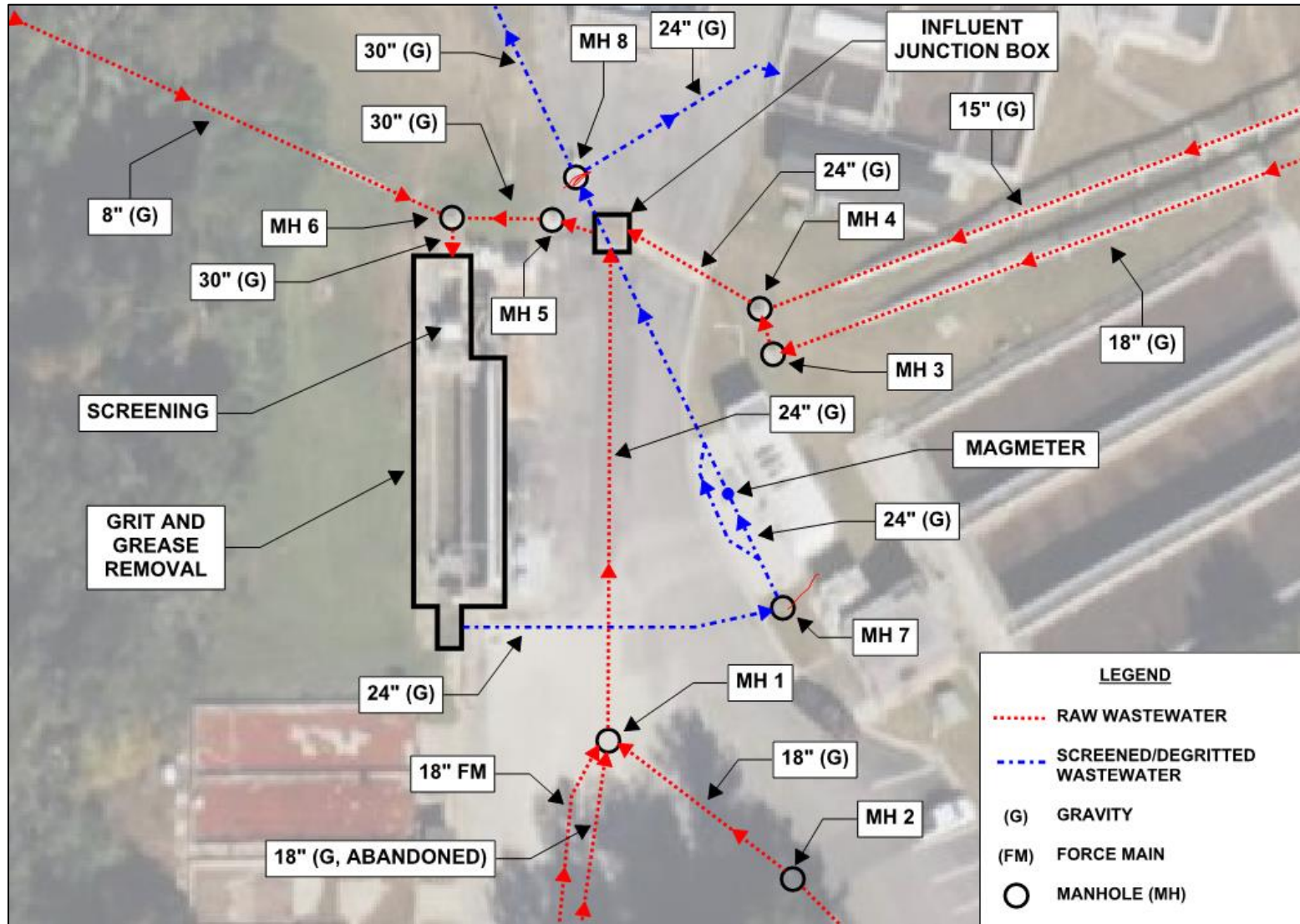


Figure 2-2: Existing Headworks and Conveyance Piping Layout





**CITY OF FAIRHOPE, ALABAMA
NON-MANDATORY PRE-BID MEETING**

Meeting Date: 08/29/23 at 10:00 a.m.

RFQ PS23-025 Professional Engineering Services for Wastewater Treatment Plant Headworks Improvements American Rescue Plan Act of 2021 (ARPA)

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