

CIP NO.: 278-78
PROJECT: Mason Farm WWTP Fermenter Mixing Improvements
DATE: November 19, 2020

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ADVERTISEMENT FOR BIDS

CIP No.: 278-78

Project: Mason Farm WWTP Fermenter Mixing Improvements

Owner: ORANGE WATER AND SEWER AUTHORITY
400 JONES FERRY ROAD
CARRBORO, NORTH CAROLINA 27510

Date: November 19, 2020

Pursuant to Section 143-129 of the General Statutes of North Carolina, sealed Bids will be received by Orange Water and Sewer Authority from Bidders until 2:00 P.M., local time, on 18th, January, 2021 for CIP No. 278-78, Project: "Mason Farm WWTP Fermenter Mixing Improvements" at the Community Room, in the Administrative Offices, 400 Jones Ferry Road, Carrboro, North Carolina 27510, at which time the Bids received will be opened and read aloud.

Bids will be received for a Single Prime Lump Sum General Construction Contract. The Contractor and all Subcontractors shall have valid North Carolina General Contractor's Licenses for the type and value of the work to be performed.

The Project consists of furnishing all materials, labor, equipment, tools, etc. unless otherwise specified, for the complete and operable installation of:

1. Demolition of existing pipe and mixing headers and their associated structural supports inside the fermenter tank up to wall pipe connections.
2. Demolition of two submersible pumps and associated piping up to wall the fermenter wall pipes in the basement of the Old Digester Control Building.
3. Demolition of the existing, insulated, 24-inch diameter standpipe on the first floor, including the 6-inch pipe that penetrates the first floor to the basement, and the vent pipe that penetrates the roof and is routed to the center dome of the fermenter tank.
4. Removing and supporting a small section of the floor separating the basement and 1st Floor of the Old Digester Building to provide a pipe chase between the floors.
5. Excavation and demolition of underground fermenter gas condensate pipe, as well as its associated drip trap in the basement of the Old Digester Building.
6. Optional removal and reinstallation of a 6-foot by 6-foot section of the concrete cover for the fermenter tank to provide easier access to the interior of the fermenter. This would include the associated PVC liner repair.
7. Installation of new mixing nozzles and associated pipe and supports in the fermenter tank, as well as new withdrawal piping and supports in the fermenter tank. This includes spot repairs to the existing PVC liner as required.
8. Re-routing of above head gas piping and electrical conduit to make room for the new mixing pumps on the first floor of the Old Digester Building.



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9. Installation of two vertically mounted centrifugal chopper pumps on the first floor of the Old Digester Control Building, as well as installing a new column support in the basement to support the new pumps.
10. Installation of new pipe, valves and supports in the basement and first floor of the Old Digester Control Building.
11. Installation of new gas condensate accumulator and associated drain and vent piping improvements.
12. Repair and coating of corroded sampling hatches in the fermenter cover.
13. Electrical improvements for power and controls of new equipment.
14. Installation of new level and flow instruments and integration of new controls with the plant-wide SCADA system, as defined in the CITI scope of supply (Appendix C).
15. Repair of Fermenter Tank wall as described in Specification Section 03 01 00.
16. And all associated appurtenances as described in the Specifications and as shown on the Drawings.

The foregoing description shall not be construed as a complete description of all work required.

Beginning on 7th, December 2020, the Contract Documents will be on file in the community room, in the Administrative Offices, 400 Jones Ferry Road, Carrboro, North Carolina. Printed copies of the Contract Documents may be obtained at the office of Brown and Caldwell located at 5430 Wade Park Boulevard, Suite 200, Raleigh, NC, 27607, upon payment of \$250 by check (non-refundable) payable to Brown and Caldwell for each set of Contract Documents (full-size plans only) so obtained. An electronic set of documents may be obtained upon payment of \$50 by check (non-refundable) payable to Brown and Caldwell. Partial sets of Contract Documents will not be made available. Please contact Natalie Archambault (Narchambault@brwnald.com) at Brown and Caldwell if you prefer to have the documents mailed to you. Mailing and handling charges are included.

The Contract Documents may be viewed free of charge at the community room, in the Administrative Offices, 400 Jones Ferry Road, Carrboro, North Carolina; and the office of the Engineer, 5430 Wade Park Boulevard, Suite 200, Raleigh, North Carolina, Mondays through Fridays, between the hours of 9:00 A.M. and 4:00 P.M.

Bidders shall attend a mandatory Pre-Bid Conference at 10:30 A.M., local time, on 16th, December, 2020 at the Mason Farm Wastewater Treatment Plant at 170 Old Mason Farm Road, Chapel Hill, North Carolina.

Orange Water and Sewer Authority has adopted a minimum ten (10%) percent goal for participation by minority businesses in the total value of the work for this project in accordance with Section 143-128.2 of the General Statutes of North Carolina.

Each Bidder shall be licensed under Chapter 87 of the North Carolina General Statutes. Bidders are notified that "An Act to Regulate the Practice of General Contracting," was ratified by the General Assembly of North Carolina on March 10, 1925, and that this Act and subsequent Amendments, will be observed in receiving and awarding Contracts.

Each bidder is required to submit a Non-Collusion Affidavit pursuant to Section 133-30 of the

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General Statutes of North Carolina.

To ensure that all Bidders are kept up to date on any Addenda, changes, or information notices, please send an e-mail to: Narchambault@brwncaid.com indicating your intention to prepare a Bid for the Project. Failure to complete this step may render your Bid as non-responsive.

Each Bidder is advised that the Work may be inspected and supervised by an Engineer or firm under the direction of Orange Water and Sewer Authority. The Engineer or firm may also be involved in the identification of specific repair areas and the proposed method of repairs for the Work.

Orange Water and Sewer Authority requires the Project to be at Substantial Completion within 120 consecutive calendar days from date of Notice to Proceed and at Final Completion 150 consecutive calendar days from date of Notice to Proceed.

No Bid shall be considered or accepted unless at the time of its filing the same shall be accompanied by a deposit of a certified or cashier's check drawn on a bank or trust company insured by the Federal Deposit Insurance Corporation (FDIC), in an amount equal to five percent (5%) of the amount of the Bid. The check shall be made payable to Orange Water and Sewer Authority. Said deposit shall guarantee that the Contract will be entered into by the successful Bidder if the Award is made. Such deposit of certified or cashier's check may be held by Orange Water and Sewer Authority until the successful Bidder has executed and delivered the Contract Documents, including performance and payment bond, to Orange Water and Sewer Authority.

In lieu of the certified or cashier's check deposit mentioned above, the Bidder may file a Bid Bond in the same amount executed by a corporate surety authorized to execute such bonds in North Carolina and conditioned on the form(s) found in the Proposal section, or on file with the Engineer. Bid Bond forms enclosed as part of the Bidding Documents must be properly executed at the time Bids are submitted before a Bid will be considered. Properly executed Power of Attorney of the corporate surety's agent shall accompany such bond and be attached to the page provided therefore in the Bidding Documents.

Bids shall be submitted under a condition of irrevocability, except as required by law, for a period of one hundred twenty (120) calendar days after the Bid opening.

Orange Water and Sewer Authority reserves the right to accept or reject any or all Bids, to waive any and all informalities, and to disregard all nonconforming or conditional Bids or counter Bids, and to accept the Bid that will be in the best interest of Orange Water and Sewer Authority.

ORANGE WATER AND SEWER AUTHORITY
TODD TAYLOR, EXECUTIVE DIRECTOR
NOVEMBER 9, 2020



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