

PROJECTS:

**SANFORD WATER FILTRATION FACILITY
30-MGD EXPANSION PROJECT
CONTRACT 1: CONVENTIONAL TREATMENT
CONTRACT 2: RAW WATER INTAKE, PUMP
STATION, AND TRANSMISSION MAIN
CONTRACT 3: RESIDUALS FACILITIES
CONTRACT 4: GAC FACILITY**

SEALED BIDS WILL BE RECEIVED AT:

**CITY OF SANFORD SERVICE CENTER
601 N 5TH STREET,
SANFORD, NORTH CAROLINA 27330
PHONE: 919-777-1200**

UNTIL BID OPENING:

**CITY OF SANFORD SERVICE CENTER
CONTRACT 1: TUESDAY, AUGUST 29, 2023
10:00 A.M., LOCAL PREVAILING TIME
CONTRACT 2: TUESDAY, AUGUST 29, 2023
2:00 P.M., LOCAL PREVAILING TIME
CONTRACT 3: THURSDAY, AUGUST 31, 2023
10:00 A.M., LOCAL PREVAILING TIME
CONTRACT 4: THURSDAY, AUGUST 31, 2023
2:00 P.M., LOCAL PREVAILING TIME**

Sealed Bids for the construction of the indicated projects will be received by the **City of Sanford Engineering Department**, at which time the Bids received will be publicly opened and read at that time and location by **Paul Weeks, P.E., Utilities and Engineering Director**. All Bids submitted shall include one original set of the Bid Documents per Contract.

The Work is located at:

**Contracts 1, 2, 3, and 4: Sanford Water Filtration
Facility
7441 Poplar Springs Church Road
Sanford, NC 27330**

Contract 2: Sanford Raw Water Pump Station

**7635 Avents Ferry Road
Sanford, NC 27330**

The project is for the expansion of the Sanford Water Filtration Facility from 12 to 30 MGD. The expanded Facility will serve the City of Sanford, Chatham County, the Town of Fuquay-Varina, the Town of Holly Springs, and the Town of Pittsboro. The Work consists of the following for each Contract:

A. Contract 1: Conventional Treatment:

1. Improvements to the existing conventional treatment facility
2. A new 18-MGD conventional treatment facility to include rapid mix, flocculation, sedimentation, and dual-media filters
3. Improvements to the existing clearwell and construction of a new cast-in-place 2-MG concrete clearwell
4. Improvements to existing finished water pump station
5. New finished water pump station
6. New chemical facility
7. Repurposed existing sodium hypochlorite facility for fluoride and sulfuric acid
8. Gravity thickener distribution box
9. Improvements to the existing administration facility
10. New maintenance warehouse
11. Yard piping, new vaults, and improvements to the existing finished water chemical vault.
12. New electrical power distribution system including, but not limited to, utility service/substation (5000kVA transformers), medium voltage electrical gear (switchgears, RVSS, etc.), stand-by diesel generators (2000kW), substation-style transformers (2500kVA, 1500kVA), and low voltage electrical gear (switchgear, switchboards).
13. Instrumentation and controls system upgrades.

B. Contract 2: Raw Water Intake, Pump Station, and Transmission Main

1. Two (2) new cylindrical wedge-wire intake screens and two (2) new raw water lines

2. A new raw water pump station to include four (4) 700-HP vertical turbine pumps, discharge piping, valves, surge tank, and an electrical mezzanine.
3. A new air burst system.
4. A new 1500 kW standby generator.
5. A new 30-inch, approximately 8,150-linear foot transmission main.

C. Contract 3: Residuals Facilities

1. Improvements to the existing residuals handling facilities to include:
 - a. Chemical system improvements
 - b. Conversion of the existing dewatering facility to a maintenance facility
 - c. One (1) additional horizontal helical screw centrifugal pump for spent backwash
 - d. Rehabilitation of existing lamella plate settler
2. Additional residuals handling facilities to include:
 - a. One (1) additional gravity thickener
 - b. New solids pump station to include three (3) progressive cavity pumps
 - c. New dewatering facility with three (3) belt filter presses
 - d. One (1) additional lamella plate settler
 - e. Recycle pump station with three (3) submersible pumps
3. Instrumentation and controls system upgrades associated with this work

D. Contract 4: GAC Facility

1. GAC facility to include ten (10) post-filter GAC contactors, an electrical room, and an intermediate pump station with four (4) 125-HP vertical turbine feed pumps.
2. Instrumentation and controls system upgrades associated with this work.

Mayor and City Council of the City of Sanford, North Carolina, herein referred to as Owner, will bid each of the **Sanford Water Filtration Facility 30-MGD Expansion Project Contracts (1 – 4)**, as a Single Prime Contract only. Multiple Prime bids will not be accepted. Bids shall be

submitted, as indicated on the Bid Form. The Contract Times for the Work are set forth in the Agreement.

The City of Sanford prohibits discrimination in any manner on the basis of race, color, creed, national origin, sex, age, handicap, or sexual orientation and will pursue an affirmative policy of fostering, promoting, and conducting business with women and minority owned business enterprises.

The Work will be financed in part by the State Revolving Fund loan under the Federal Clean Water Revolving Loan and Grant Act of 1987 (DWSRF # WIF 2025). Bidder shall make positive efforts to use small and minority-owned businesses and comply with NC Division of Water Infrastructure MBE/WBE requirements and GS 143-128. The contracted bidder shall comply with federal AIS and Davis Bacon requirements throughout the project.

Bidders must certify that they do not and will not maintain or provide for their employees any facilities that are segregated on a basis of race, color, creed, or national origin, and so certify with the form included in the Bid.

The Owner reserves the right to reject any Bid for failure to comply with all requirements of this Notice or of any of the Contract Documents; however, it may waive any minor defects or informalities at its discretion. The Owner further reserves the rights to reject any and all Bids and to Award the contract that in its judgment is in the best interest of the Owner.

Each bid shall be submitted on the Bid Form furnished with the Contract Documents or on copies of the Bid Form furnished with the Contract Documents. Bidder shall submit Section 00 40 00 – BID FORM in its entirety unbound from the Contract Documents enclosed in a sealed envelope and addressed to:

Paul Weeks, P.E., Utilities and Engineering Director

The name, address and the NC Contractor's License Number of the Bidder must be plainly written on the outside of the envelope, and the envelope marked:

Contract 1: Bid for Sanford Water Filtration Facility 30-MGD Expansion Project Contract 1, City of Sanford

Contract 2: Bid for Sanford Water Filtration Facility 30-MGD Expansion Project Contract 2, City of Sanford

Contract 3: Bid for Sanford Water Filtration Facility 30-MGD Expansion Project Contract 3, City of Sanford

Contract 4: Bid for Sanford Water Filtration Facility 30-MGD Expansion Project Contract 4, City of Sanford

No Bid shall be considered or accepted unless at the time of its filing the same shall be accompanied by a deposit with the City of Sanford of cash, or a cashier's check or a certified check drawn on a bank or trust company insured by the Federal Deposit Insurance Corporation, in an amount equal to not less than five percent (5%) of the Bid. In lieu of making the deposit as above provided, such Bidder may file a Bid Bond executed by a corporate surety licensed under the laws of North Carolina to execute such bonds; conditioned that the surety will upon demand forthwith make payment to the City of Sanford upon said Bond if the Bidder fails to execute the Contract in accordance with the Bid Bond. If upon acceptance of his Bid, a Bidder fails to enter into a Contract with the City of Sanford, the Bid deposit shall be forfeited to and become the property of the City of Sanford. No Bidder may withdraw his Bid within 120 days after the date of Bid opening.

Bid security shall be furnished in accordance with the Instructions to Bidders.

A separate performance bond and payment bond each in an amount equal to one hundred percent (100%) of the Contract price will be required. Carriers must be authorized to do business in North Carolina.

Bidders must conform with the provisions of the North Carolina Contractor's Licensing Act of 1925, as amended.

Bidding Documents may be examined online at the following locations:

- McGraw Hill Construction / Dodge (dodge.construction.com)

Complete Bidding Documents may be obtained from the office of the Engineer by emailing:

Contract 1: Sanford-WFF-Contract1@hazenandsawyer.com

Contract 2: Sanford-RW-Contract2@hazenandsawyer.com

Contract 3: Sanford-RES-Contract3@hazenandsawyer.com

Contract 4: Sanford-GAC-Contract4@hazenandsawyer.com

Electronic documents will be provided at no charge.

With each request for Bidding Documents supply the following information: Company name, contact person, street address, phone number, and email address for point of contact; N.C. contractor's license with limitation and classification; indicate if the firm will be a Prime bidder, Supplier or Sub-Contractor. Neither Owner nor Engineer will be responsible for full or partial sets of Bidding Documents, including any addenda, obtained from a source other than the Issuing Office (Hazen and Sawyer).

Each Bidder must be a Bidding Document Holder. Bids submitted by Bidders not on the list of Bidding Documents (Plan) Holders with the Engineer will not be opened.

A non-mandatory pre-Bid Conference for all Contracts will be held via Microsoft Teams on August 2nd at 10 AM. Email the office of the Engineer at the address above to register and receive the invitation.

A non-mandatory site visit for all Contracts will be held at:

**Sanford Water Filtration Facility
7441 Poplar Springs Church Road, Sanford, NC 27330
Wednesday August 3rd, 2023 at 9 AM**

Bidders shall submit proof of qualifications to perform the Work as described in the Instructions to Bidders.

City of Sanford, North Carolina
Phillip Hegwer, City Manager
Paul M. Weeks Jr., P.E., Utilities and Engineering Director

END OF ADVERTISEMENT FOR BID