

ADDENDUM NO. 2
HWEA CONTRACT # 133-2019-01
HAMMOND-WOOD WASTEWATER TREATMENT PLANT EXPANSION
HOPKINSVILLE WATER ENVIRONMENT AUTHORITY
HOPKINSVILLE, KENTUCKY
WAUFORD PROJECT NO. 1983

Date of Addendum: Friday, January 3, 2020
Mandatory Pre-Bid Meeting: Tuesday, January 21, 2020, 9:00 A.M. Central Time
Bid Opening: Thursday, February 6, 2020, 2:00 p.m. Central Time

1. Advertisement for Bids:

Replace the entire Advertisement for Bids with the attached revised Advertisement for Bids.

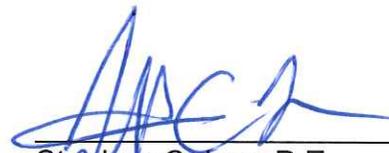
2. ECS Southeast, LLP – Revised Geotechnical Engineering Report:

Replace Figure 2: Boring Location Diagram located in the Appendix of the ECS Southeast, LLP – Revised Geotechnical Engineering Report with the attached revised Figure 2: Boring Location Diagram.

3. Detailed Specifications, Sub-Section 11C. Grit Removal Equipment, Page DS 11C-3:

Replace Page DS 11C-3 with the attached revised Page DS 11C-3*.

J. R. WAUFORD & COMPANY,
CONSULTING ENGINEERS, INC.



Stephen C. Lee, P.E.
Kentucky License No. 27833



ADVERTISEMENT FOR BIDS

CONTRACT # 133-2019-01 HAMMOND-WOOD WASTEWATER TREATMENT PLANT EXPANSION (SRF PHASE VIII - SX21047028)

FEDERAL WAGE RATES APPLY

Sealed Bids for the construction of the following work will be received by the Hopkinsville Water Environment Authority, at their office on 401 East Ninth Street, Hopkinsville, Kentucky 42240, until 2:00 P.M. CST on Thursday, February 6, 2020, at which time the Bids received will be publicly opened and read aloud. The Project generally consists of, but is not limited to, the following:

Contract # 133-2019-01

- New Main Raw Wastewater Sewage Pumping Station including one (1) new Mechanically Cleaned Screen and four (4) Variable Speed Submersible Pumps
- Influent Raw Wastewater Flow Meter Pit
- New Headworks Facilities including three (3) new Rotary Drum Fine Screens and two (2) new Grit Removal Units with associated grit classification and dewatering equipment
- New Anaerobic Reactors
- Renovation of existing Oxidation Ditch Nos. 1 and 2
- New Oxidation Ditch No. 3
- New Mixed Liquor Distribution Structure
- New 110-foot diameter Final Clarifier No. 3
- New Scum Pumping Station
- Renovation of Existing 110-foot diameter Final Clarifier Nos. 1 and 2
- New Final Clarifiers 1 and 2 Return Activated Sludge Control Structure
- New Final Clarifiers 3 and 4 Return Activated Sludge Control Structure
- Renovation of Existing Return Activated and Waste Activated Sludge Pumping Station Improvements including three (3) Variable Speed Return Activated Sludge Submersible Pumps and two (2) Waste Activated Sludge Submersible Pumps
- New Effluent Disinfection Building and Re-Use Water System
- New Peracetic Acid Contact Basin including effluent Parshall Flume and aeration equipment
- New Sludge Holding Tanks
- New Operations Building
- New Shop and Biosolids Dewatering Building including two (2) new screw press units
- New air-conditioned Blower and Electrical Building
- New Solar Drying Units and Biosolids Storage Building
- Site piping and other miscellaneous work

Bids will be received for a single prime Contract. Bids shall be on a lump sum and unit price basis, with deductive alternate bid items as indicated in the Bid Form.

A Pre-Bid Meeting will be held on Tuesday, January 21, 2020, at 9:00 A.M. CST at the Pennyrile Area Development District located at 300 Hammond Drive, Hopkinsville, Kentucky 42240. Attendance is mandatory for Bid eligibility.

Prospective Bidders shall provide a Pre-Bid Submittal by electronic mail on or before 3:00 P.M. CST on Friday, January 10, 2020. Pre-Bid Submittals shall be emailed to **stephenl@jrwauford.com**. Prospective bidders are responsible for confirming receipt of their Pre-Bid Submittal by calling 615-883-3243. Pre-bid submittals shall contain the following information:

1. Evidence of similar previous projects of at least \$40 million value completed in the previous 10 years, including detailed description, bid amount, final contract amount, scheduled time of completion, actual time of completion, Owner's contact information, and Engineer's contact information. Description of any lawsuits or claims the Bidder has been party to in the previous 10 years including resolution.
2. Number of employees directly employed by the Bidder.
3. Resumes or description of the proposed Project Manager and Project Superintendent including name, relevant experience, and employment history with the Bidder.

Additional information may be requested as necessary to determine the qualifications of the prospective bidder.

The Issuing Office for the Bidding Documents is: J. R. Wauford & Company, Consulting Engineers, Inc., P.O. Box 140350, 2835 Lebanon Pike, Nashville, Tennessee 37214. Inquiries should be directed to Stephen C. Lee, P.E., Project Manager, stephenl@jrwauford.com.

Bidding Documents also may be examined at:

Kentucky PTAC for their website at www.kyptac.com

Office of Civil Rights & Small Business Development, Department of Transportation, 200 Mero Street, Frankfort, KY 40622

Minority Economic Development Initiative, Hopkinsville-Christian County Economic Development Council, 1101A S. Main St., Hopkinsville, KY 42240

J. R. Wauford & Company, Consulting Engineers, Inc., 2835 Lebanon Pike, Nashville, Tennessee 37214

Builders Exchange of Kentucky, 2300 Meadow Drive, Louisville, KY 40218

Builders Exchange of Tennessee, 301 S. Perimeter Park Drive, Suite 100, Office 9, Nashville, TN 37211

ConstructConnect, 30 Technology Pkwy South, Suite 100, Norcross, GA 30092

DODGE Data & Analytics for their website at www.construction.com

Nashville Contractors Association, 7430 Bursleson Lane, Murfreesboro, TN 37129

The Bidding documents may be viewed at the office of the HWEA at 401 East Ninth Street, Hopkinsville, Kentucky 42240, on Mondays through Fridays between the hours of 8:00 A.M. and 4:30 P.M.; and the office of the Engineer, J. R. Wauford & Company, Consulting Engineers, Inc., P.O. Box 140350, 2835 Lebanon Pike, Nashville, Tennessee 37214, on Mondays through Fridays between the hours of 8:00 A.M. and 5:00 P.M.

Printed copies of the Bidding Documents may be obtained from the Issuing Office, during the hours indicated above, upon a non-refundable payment of \$1,500.00 for each set. Checks for Bidding Documents shall be payable to "J. R. Wauford & Company". Upon request and receipt of the document payment indicated above, the Issuing Office will transmit the Bidding Documents via delivery service. The date that the Bidding Documents are transmitted by the Issuing Office will be considered the Bidder's date of receipt of the Bidding Documents. Partial sets of Bidding Documents will not be available from the Issuing Office. Neither Owner nor Engineer will be responsible for full or partial sets of Bidding Documents, including Addenda if any, obtained from sources other than the Issuing Office. Bid security shall be furnished in accordance with the Instructions to Bidders.

The Contract is being funded through a Kentucky Infrastructure Authority (KIA) loan. The Contract Time is nine hundred (900) calendar days.

The procurement is subject to DOW Procurement Guidance, including the Davis-Bacon Act. Overtime pay applies to all hourly workers who work greater than 8 hours per day.

Bidders must comply with Title VI of the Civil Rights Act of 1964, the Anti-Kickback Act, the Contract Work Hours Standard Act, and 40 CFR 31.36 L (3, 4 & 6).

Bidders must comply and the project will be in compliance with the President's Executive Order No. 11246 (Equal Employment Opportunity) as amended, which prohibits discrimination in employment regarding race, creed, color, sex, or national origin.

The Contractor/Subcontractor will comply with 41 CFR 60-4, in regard to affirmative action, to ensure equal opportunity to females and minorities, and will apply the time tables and goal set forth in 41 FR 60- 4, if applicable, to the area of the project.

Bidders will make positive efforts to use small, minority, women-owned and disadvantaged businesses. Minorities and small businesses are encouraged to submit Bids on this project.

This Contract includes adherence to the American Iron and Steel (AIS) Requirement.

The Contract(s) will be awarded to the lowest, responsive, responsible bidder whose bid provides the best value. The term "best value" means a procurement which is based on the primary objective of meeting the specific business requirements and best interests of the Owner.

If proposal(s) is forwarded by mail, the envelope containing the proposal shall be placed in a separate envelope and marked as follows:

**Sealed Bid for Contract # 133-2019-01
Hammond Wood Wastewater Treatment Plant Expansion
Not to Be Opened until 2:00 P.M. CST, Thursday, February 6, 2020**

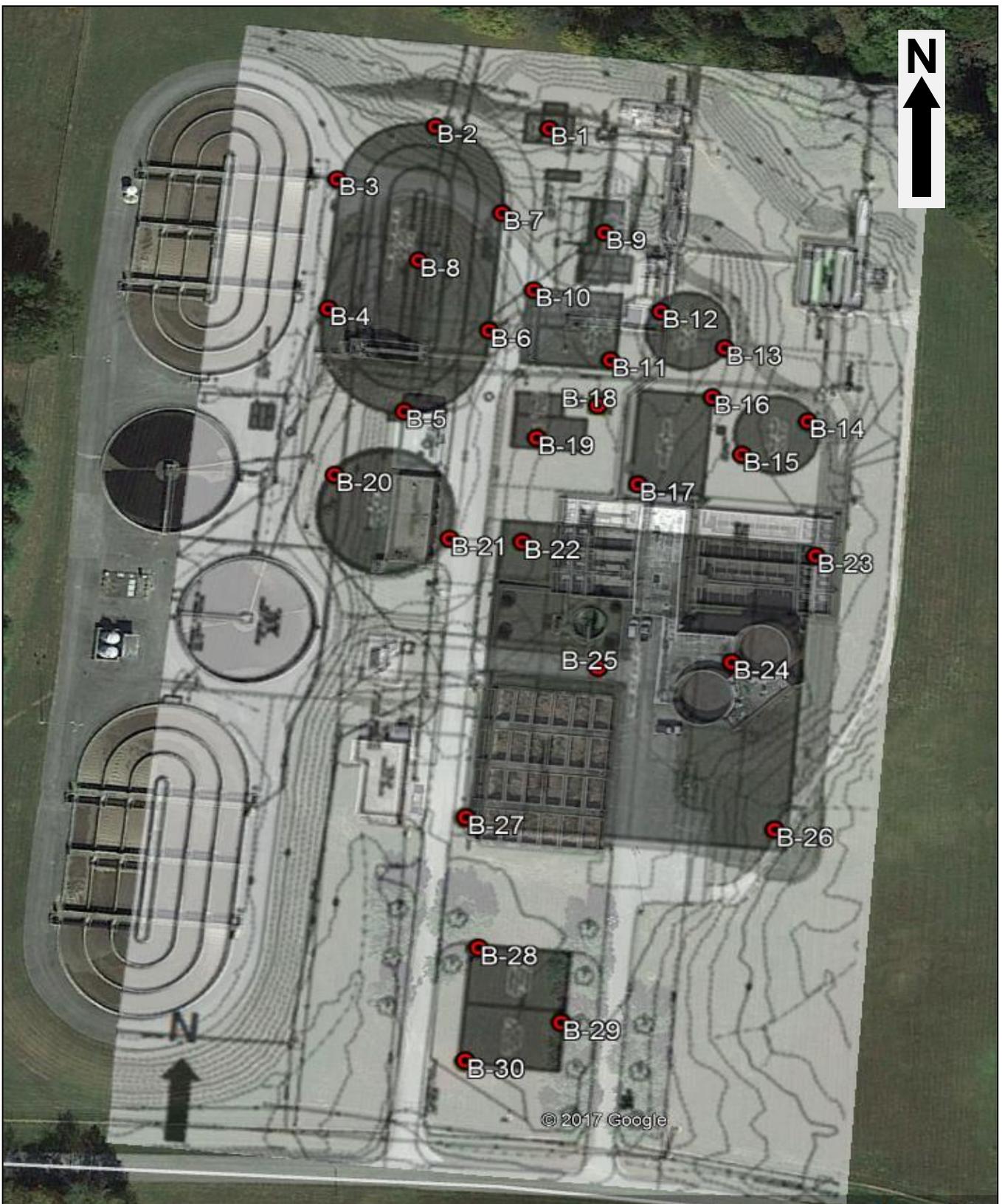
The Bid shall be mailed to HWEA at 401 East Ninth Street, Hopkinsville, KY 42240 allowing sufficient time for such mailing to reach the address prior to closing time for receipt of Bids.

HWEA may consider any Bid not prepared and submitted in accordance with the provisions of the Advertisement Contract Documents, and/or the Specifications to be non-responsive. HWEA may waive any informalities or reject any and all Bids.

No bidder may withdraw a bid within ninety (90) days after the actual date of bid opening. HWEA is an equal opportunity employer.

HOPKINSVILLE WATER ENVIRONMENT AUTHORITY

Derrick W. Watson, President & CEO



Hammond Wood WWTP
 128 Gary Lane
 Hopkinsville, Kentucky
 ECS Project No. 26:3305



Figure 2: Boring Location Diagram

 Approximate Boring Locations

* Addendum No. 2, January 3, 2020

5. Equipment and Materials

a. Grit Removal, Classification, and Dewatering Units

The grit removal unit shall be a HeadCell™ Settleable Solids Concentrators. The grit classification unit shall be a Slurrycup™ Solids Classifier.

The grit dewatering unit shall be a Grit Snail™ Grit Dewatering unit.

b. Grit Transfer Pump

The grit transfer pumps shall be Wemco® Torque-flow Pumps, 4" (suction) by 3" (discharge) Model C with 13-7/8" diameter impeller in side-mounted motor configuration. The side motor mount configuration (left handed or right handed) and the rotational direction of the impeller shall be as depicted on the Plans. The pump drive shaft in each pump shall be sealed at the volute utilizing a mechanical-type seal that does not require an external fluid source for flushing. The electric drive motors shall be 5 horsepower. The pumps shall be furnished with the belts and sheaves necessary to rotate the pumps at 675 revolutions per minute (RPM). The pumps shall be capable of speed adjustment between 650 RPM and 700 RPM and shall be furnished with one spare set of belts and sheaves necessary to rotate the pumps at 625 RPM.

c. Control and Instrumentation

(1) General

Each of the two grit removal systems shall be provided with a complete PLC control package including a weather resistant NEMA 4X stainless steel enclosure complete with all required components including a run-time meter and H/O/A switch. All control panel enclosures shall utilize 3-point latch type doors. **Torque limiting devices and overcurrent protection shall be provided for all electric motors and driven devices. Where possible, resettable breakers shall be used in lieu of fuses.**

(2) Operational Requirements

- (a) The electrical components of the engineered system for grit removal shall automatically restart after a transfer to auxiliary electrical power following a loss of primary electrical power and after a transfer back to primary electrical power.