

ADDENDUM NO. 1
TO
PROJECT MANUAL, TECHNICAL SPECIFICATIONS AND DRAWINGS
FOR
ROCK HILL WATER TREATMENT PLANT
FILTER 4 UNDERDRAIN REPLACEMENT
FOR
THE CITY OF ROCK HILL, SOUTH CAROLINA

Bids Received until 10:00 AM, Local Time, July 14, 2022

ACKNOWLEDGE RECEIPT OF THIS ADDENDUM BY INSERTING ITS NUMBER IN THE PROPOSAL; FAILURE TO DO SO MAY SUBJECT BONA FIDE BIDDER TO DISQUALIFICATION. THIS ADDENDUM FORMS A PART OF THE PROJECT DOCUMENTS; IT MODIFIES THEM AS FOLLOWS:

PROJECT MANUAL

SECTION 00300 BID FORM Pages 00300-1 – 003001-5	Delete the Bid Pages 00300-1 through 00300-5 and replace them with attached Bid Form Pages ADD No. 1, 00300-1 through ADD No. 1, 00300-5 dated July 8, 2022.
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SPECIFICATIONS

Section 46 61 13 Paragraph 3.3 B. Page 4 of 6	Revise this paragraph as follows: <i>“Install filter media and in accordance with manufacturer's instructions. Filter media shown to be unsatisfactory due to any cause improper installation or damage by the Contractor during storage, handling or installation shall be replaced and installed by the Contractor at no additional cost to the Owner.”</i>
Section 46 61 22 Paragraph 3.2 D.1. Page 5 of 7	Revise this paragraph as follows: <i>“1. Approximately 40% 33% of all anchors randomly selected by the Engineer in each cell will be tested. Each anchor to be tested will be loaded in tension. The testing requirements (load/duration/etc.) shall be as recommended by the filter equipment manufacturer. Any anchor which fails to reach the specified requirements, or which indicates a slip or yielding of the anchor will be considered a failure.”</i>
Appendix B Filter Equipment Submittal	Appendix B was included in the specifications twice. Both copies of the Appendix are identical. The duplicate copy of Appendix B has been removed.

DRAWINGS

DRAWING D.01 SHEET 4 OF 5	Revise Note #4 in the <u>Demolition Notes</u> as follows: THE DEPTH OF THE EXISTING GROUT BED HAS NOT BEEN CONFIRMED. THE ENTIRE DEPTH OF THE EXISTING GROUT BED BELOW THE EXISTING FILTER UNDERDRAIN SHALL BE REMOVED DOWN TO EXISTING ELEVATED SLAB & LEDGE ELEVATION. THE TOP OF THE EXISTING CONCRETE SLAB/LEDGE SHALL BE FREE
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	OF ANY CONTAMINANTS (INCLUDING REMNANTS OF BONDING AGENT) THAT WILL ACT AS A BOND BREAKER WITH THE NEW GROUT. THE EXISTING CONCRETE SHALL BE LEFT ROUGH IN ORDER TO RECEIVE NEW GROUT.
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QUESTIONS AND ANSWERS

In response to questions that have been formally submitted by bidders, responses are provided as follows and form a part of the Contract Documents

SECTION 00300

BID

To: City of Rock Hill, South Carolina, Utilities Department/Engineering Division
P.O. Box 11706, 757 South Anderson Road, Rock Hill, South Carolina 29730

To Whom it May Concern:

The undersigned, having familiarized (himself) (themselves) (herself) with the existing conditions on the Project Area affecting the cost of the work and with the Contract Documents, which include an Invitation for Bids, Instructions to Bidders, the Form of Bid, the Form of Bid Bond, the Form of Contract (or Agreement), Form of Non-Collusion Affidavit, Addenda (if any), General Conditions, Supplementary Conditions, City of Rock Hill Procurement Policies and Procedures, Technical Specifications, Construction Drawings, and Form of Surety Bond or Bonds as prepared by the City of Rock Hill, South Carolina and on file in the office of the City Engineer, hereby proposes to furnish all supervision, technical personnel, labor, materials, machinery, tools, appurtenances, equipment, and services, including utility and transportation services required to construct and complete:

**CITY OF ROCK HILL, SOUTH CAROLINA
FILTER 4 UNDERDRAIN REPLACEMENT**

SECTION 1 - The cost is for furnishing all materials and equipment and performing all labor necessary for performing preparatory work, demolition of the existing filter 4 underdrains, removal of all debris during demolition, and all labor and materials for the complete installation of the owner-supplied WesTech underdrain system and filter media, for a fully operational filter system. Do not include the cost of the Owner-supplied gravity filter equipment and filter media in the bid. Includes the cost of the demolition of the existing grout bed and installation of new grout bed both up to a depth of 1-inch, on average.

Sub-Total, Section 1, Item 1, inclusive, the lump sum amount of: _____

DOLLARS (\$ _____)

SECTION 2 - Concrete repair of the concealed concrete underdrain support and concrete filter, as may be required by the Engineer and as discovered during the course of the construction. For furnishing all materials and equipment and performing all labor necessary for construction and all other work and appurtenances necessary for completion of the work under this contract, for the following prices:

Item No.	Approx. Quantity	Unit	Description	Unit Price	Total Price
1.	20	SF	<u>Repair Deteriorated Concrete</u> Complete, where indicated by the Engineer, including removing loose, unsound, and deteriorated concrete to structurally sound substrate and to the proper profile, surface preparation and installing Sika Top 111-Plus repair material up to a depth of 6-inches. This includes horizontal and vertical surfaces.	\$ _____	\$ _____

Sub-Total, Section 2, Item 1, inclusive, in the amount of:

DOLLARS (\$ _____)

SECTION 3 - For providing all equipment and performing all labor necessary to remove the existing #4 rebar anchors and to install and test new #4 rebar adhesive anchors, complete, as shown on the Contract Drawings and as specified. Do not include the cost of the Owner-supplied anchors and epoxy adhesive.

Item No.	Approx. Quantity	Unit	Description	Unit Price	Total Price
1.	38	EA	<u>#4 Rebar Adhesive Anchors</u> Complete, as detailed on the Drawings and specified, including pull testing.	\$ _____	\$ _____

Sub-Total, Section 3, Item 1, inclusive, in the amount of:

DOLLARS (\$ _____)

SECTION 4 - EXTRA WORK, IF ORDERED BY ENGINEER: (To cover authorized changes in scope of lump sum work in Section I.)

Item No.	Approx. Quantity	Unit	Description	Unit Price	Total Price
1.			<u>Concrete Work</u>		
A.	5	CY	Class A	\$	\$
B.	0.5	Ton	Reinforcing Steel	\$	\$
C.	50	SF	Contact Forms	\$	\$
2.	680	SF	Additional Depth Grout Bed Demolition (>1 in. to 3 in. depth, on average)	\$	\$
3.	680	SF	Additional Depth Grout Bed Installation (>1 in. to 3 in. depth, on average)	\$	\$

Sub-Total, Section 4, Item 1 to Item 3, inclusive, in the amount of:

DOLLARS (\$ _____)

SECTION 5 – Contingency, to cover Owner authorized changes in the Scope of the Work. Refer to Section 01 20 00 for information on the Contingency.

<u>Item No.</u>	<u>Description</u>	<u>Unit Price</u>	<u>Total Price</u>
<u>1.</u>	<u>Contingency Allowance</u>	<u>\$10,000.00</u>	<u>\$ 10,000.00</u>

Sub-Total, Section 5, Item 1, inclusive, in the amount of: TEN THOUSAND DOLLARS

AND ZERO CENTS (\$ 10,000.00)

TOTAL, SECTION I through SECTION 5, inclusive, in the amount of

Dollars (\$ _____)

In submitting this Bid, the Bidder understands that the right is reserved by the City of Rock Hill to reject any and all Bids, to accept any Bid submitted, to waive any informalities, and to negotiate with the low Bidder or Bidders on any changes which it considers necessary or desirable for its own interests. If written notice of the acceptance of the bid is mailed, telegraphed, or delivered to the undersigned within 90 days after the opening thereof, or at any time thereafter, before the Bid is withdrawn, the undersigned agrees to execute and deliver an

Agreement in the prescribed form and furnish the required bond within 10 days after the Agreement is presented to him for signature.

Security in the form of (bid bond) (_____) is submitted herewith in accordance with the Instructions to Bidders.

Attached hereto is an affidavit in proof that the undersigned Bidder has not entered into a collusive agreement with any person in respect to this Bid or any other Bid or the submitting of Bids for the Contract for which this Bid is submitted.

CONSTRUCTION TIME AND LIQUIDATED DAMAGES:

The Bidder states that he understands that the work must be completed as outlined below:

Final Completion must be obtained within 120 consecutive calendar days following the Notice to Proceed.

The Bidder understands for the first fourteen (14) days that liquidated damages in the amount of **Five Hundred Dollars (\$500.00)** shall be assessed for each consecutive calendar for unauthorized delays beyond the contract time and thereafter **One Thousand Dollars (\$1,000.00)** shall be assessed for each consecutive calendar for unauthorized delays beyond the contract time.

The liquidated damages are not a penalty but are for damages resulting to City since the actual damages would be difficult or impossible to ascertain. Time is of the essence.

CONTRACTOR'S LICENSE:

The undersigned further states that he is a duly licensed Contractor, for the type of work proposed, in the State of South Carolina, and that all fees, permits, etc. pursuant to the submission of this proposal have been paid in full.

ADDENDA:

The undersigned acknowledges receipt of the following addenda, which will be considered as part of the Contract Documents:

Addendum No. _____ Dated _____

Addendum No. _____ Dated _____

Addendum No. _____ Dated _____

QUESTIONS FROM BIDDERS
ROCK HILL WATER TREATMENT PLANT FILTER 4 UNDERDRAIN REPLACEMENT
FOR
CITY OF ROCK HILL, SC

W&S Project No. 056-22-120

Bid Date: THURSDAY JULY 14, 2022 @ 10:00 AM

Update:

7/6/2022 10:38

<i>Question #</i>	<i>Question</i>	<i>Answer</i>
1	Can you give me a brief description of the work?	The project consists of the demolition of the existing underdrain system in Filter 4 and installing and field-testing replacement gravity filter equipment and media in Filter 4. Filter 4 is a dualcell water filter (i.e., includes Filter 4A & Filter 4B) and is located at the Rock Hill Water Plant. The gravity filter equipment and filter media has been pre-purchased by the City from WesTech.
2	Could you please let me know where I could download bid documents?	The bid documents can be viewed and ordered online from Duncan-Parnell's online bid room: www.dpbidroom.com
3	Will there be a pre-bid meeting for this project?	A Pre-Bid Conference will be held in advance of the Bid Opening. The pre-bid meeting is not mandatory, but all perspective bidders are encouraged to attend. The Conference is to be held at 2:00 P.M. on Thursday, June 30, 2022, at the Administration Building at the Rock Hill Water Plant, 2102 Cherry Road, Rock Hill, SC 29732. Please park in the front parking lot located off Cherry Road. Parking is limited. Inspection, questions and work review will take place at this time. The WTP is currently an active construction site; therefore, safety apparel (hard hat, work boots, safety vests) may be required.
4	What is the cut-off date and time for questions?	Every request for such interpretation should be made in writing and addressed to Engineer and to be given consideration, must be received at least five (5) business days prior to the date fixed for opening Bids. Requests will be answered promptly and up to 72 hours before bid opening time.
Pre-bid Meeting Q&A		
5	Is there pressure protection on the system during backwash?	Yes, there are common pressure transducers installed for each filter. The City plans to install one transducer for each filter cell in the future.
6	How many backwashes & skims are required?	Please refer to spec section 46 61 13 paragraph 3.1, E and F for the requirements for washing and skimming the anthracite and sand.
7	There is a two year warranty for the GC and WesTech only has a one year warranty, can you explain this?	The City standard is a two year warranty. Refer to spec section 01 64 00 paragraph 1.2 regarding the warranty for Owner furnished products. The warranty does not include the GC to warranty the Owner furnished materials unless they are damaged/improperly installed by the GC. As such, there should not be a conflict with the different warranty periods for the GC and Westech.
8	The flume block shelf angle appears to be narrow. Could this shelf be extended/reinforced/modified by the GC?	The existing flume block has been supported on this ledge previously without any issues. However, the Owner/Engineer would be open to this modification by the GC, if WesTech was also in agreement that there is a need to increase the width of the ledge and there were no impacts to the operation of the filters. This can be discussed with WesTech during one of their early site visit.
9	Can you please provide clarification on the number of field service visits?	The field service visits were developed with WesTech based on the scope of work included in this project. The quantity and/or duration of trips is intended to cover the supervision of the installation of the gravity filter underdrain system/media and for WesTech to certify the equipment was installed in accordance with the manufacturer's requirements. Additional manufacturer's services will be the responsibility of the GC and should be included in the cost of the work.
10	Can you please provide clarification on the filter media installation paragraph 3.3 B?	The GC is not responsible for problems related to the supply of the media. This will be clarified in Addenda 1.

QUESTIONS FROM BIDDERS
ROCK HILL WATER TREATMENT PLANT FILTER 4 UNDERDRAIN REPLACEMENT
FOR
CITY OF ROCK HILL, SC

W&S Project No. 056-22-120

Bid Date: THURSDAY JULY 14, 2022 @ 10:00 AM

Update:

7/6/2022 10:38

<i>Question #</i>	<i>Question</i>	<i>Answer</i>
11	<p>There is a requirement for a 30 day operating period following the start-up of the filters and the adjustment to media at the end of the thirty-day operating period. Please clarify the intent.</p> <p>One way that the loss of media could be evaluated would be to install an extra 1" of anthracite in the filter and set a S.S. grade pin at the height of the anthracite. Then after 1 to 3 months of operation, the contractor returns with limited mobilization to evaluate any media loss. Is this acceptable?</p>	<p>The 30-day operating period is in place to ensure that the filters, following the minimum 48 hours of "Filter to Waste", operate as they should and the media remain at the proper depth.</p> <p>The Owner/Engineer would be open to evaluate this option with WesTech/Plant Operations as a means to evaluate media loss.</p>
12	Are the new underdrain blocks the same as the existing underdrains at the plant?	Yes, as far as we know.
13	<p>What is the cure time for grout?</p> <p>To cure the grout, would it be acceptable to leave approx. 6" of water in the bottom of the filter?</p>	Curing and minimum cure time shall be per the manufacturers recommendations and shall be approved by WesTech.
14	Can flow to the filters be ramped up and down during backwash?	Yes, the backwash rate is controlled with a rate controller and can be ramped up and down at the filter controls.
15	Who is the WesTech contact?	Chad Carpenter (CCARPENTER@westech-inc.com), 515.268.8442 (office), 515.708.2785 (mobile); Local manufacturers representative is Josh Ziembiec – ClearWater, josh.ziembiec@clearwaterinc.net, 828-569-9155 (mobile)
16	Is there any soaking period for the anthracite?	No
NOTES:	<p>1. Company Names and Trade Names have been removed from the questions. The answers contain trade names only to refer to existing installations. These inclusions do not represent an endorsement of the product or the company.</p> <p>2. Questions from sales representatives have been edited where appropriate for brevity.</p> <p>3. Questions from General Contractors have been left untouched.</p> <p>4. Significant Changes in answers previously posted are marked in red.</p>	