



## City of Hendersonville, NC

**Request for Proposal # 2103670550001**

**North Greenwood Forest Neighborhood Water Replacement- Materials  
Purchase**

**Date Issued: August 5, 2022**

**Bid Opening Date: 10:00 am August 18, 2022**

**Direct all inquiries concerning this RFP to:**

**Adam Steurer, PE**

**Utilities Engineer**

**[asteurer@hvlnc.gov](mailto:asteurer@hvlnc.gov)**



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## I. Instructions to Bidders

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1. This REQUEST FOR PROPOSAL (RFP) describes the requirements for the City of Hendersonville's (City) purchase of materials for its North Greenwood Neighborhood Water Replacement project. Copies of the RFP may be obtained, via download from the City's website.
2. Sealed bids are due by 10:00 AM, local time, on August 18, 2022, at City Operations Center, located at 305 Williams Street, Hendersonville, NC 28792. At that time, bids will be publicly opened and read aloud in the City Operations center Large Assembly Room. Bids and all supporting documentation as required in these specifications must be submitted in a sealed envelope, addressed to City of Hendersonville, Attn: Adam Steurer, PE, Utilities Engineer; 305 Williams Street, Hendersonville, NC 28792. The name of the bidder must appear on the envelope and must be marked "North Greenwood Neighborhood Water Replacement –Materials". It is the responsibility of each Bidder, without excuse, to ensure that their Bid Proposal is submitted at the right place by the bid deadline.
3. A bid bond is not required.
4. Refer to the Bid Package Requirements sheet for the Bidder Requirements. The Bidder must submit their quotation on the enclosed forms. Bids may be rejected if they show any omissions, alterations, or unauthorized additions to the forms, or for conditional bids, or for any irregularities of any kind.
5. The "Bid Price" (referred to as the extended price) for each unit price Bid item will be the product of the "Estimated Quantity", which Owner or its representative has set forth in the Bid Schedule, for the item and the corresponding "Bid Unit Price" offered by the Bidder. The total of all unit price Bid items will be the sum of these "Bid Prices"; such total will be used by Owner for Bid comparison purposes. Discrepancies between the multiplication of units of Work and unit prices will be resolved in favor of the unit prices. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum.
6. No additional charges OF ANY KIND will be allowed on the awarded vendor's invoices. Any and all costs for the bidder, including freight/delivery charges to Hendersonville or Etowah, NC, as determined by the City, MUST be included in the bidder's quotation unit price. This includes any charges for delays, whether caused by the City or the carrier. Freight terms for the contract will be FOB: Delivered. The City will assist with offloading the material.
7. The award will be on the basis of materials specified or described herein, and those substitute or materials and equipment subsequently approved by City prior to the submittal of Bids and identified by Addendum. No item of material will be considered



by the City as a substitute unless written request for approval has been submitted by Bidder and has been received by City within 7 days of the issuance of the RFP. The burden of proof of the merit of the proposed item is upon Bidder. City's decision of approval or disapproval of a proposed item will be final. If City approves any such proposed item, such approval will be set forth in an Addendum posted on the City's website. Bidders cannot rely upon approvals made in any other manner.

8. All prices that Bidder sets forth in its Bid will be based on the presumption that the Bidder will furnish the materials specified or described in the Bidding Documents, as supplemented by Addenda. Any assumptions regarding the possibility of post-Bid approvals of "or-equal" requests are made at Bidder's sole risk.
9. Any questions regarding the RFP should be submitted in writing to Adam Steurer, PE, Utilities Engineer via email: [asteurer@hvlnc.gov](mailto:asteurer@hvlnc.gov) at least 96 hours prior to bid opening. Questions that require a written response or a change to the requirements and/or specifications will be posted as an Addenda on the City's website. In the event of a major change to requirements and/or specifications, the City reserves the right to postpone the bid opening, with advance notice to all known bidders.
10. In the event of a tie bid, with all terms being equal, the City reserves the right to request the applicable vendors (only) submit best and final bids.
11. This contract shall be awarded to the lowest responsive, responsible bidder, taking into consideration quality, performance, and time of delivery.
12. The City reserves the right to reject any and all proposals, in whole or in part, and to waive minor informalities.

## II. Specifications

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### 2.A General

1. The Bidder shall provide the City with potable water materials as described herein and on the Bid Schedule.
2. All materials shall be suitably marked at their places of manufacture to show their class, strength, or thickness, if applicable.
3. All pipe, fittings, valves, hydrants, pipe clamps, restraints, flanges, castings, rebar, hatches, inlets, meter and valve boxes, and any other iron and steel products shall be produced in the United States.
4. Manufacturer shall provide guarantees that the pipe shall be warranted for a minimum period of 1 year from the date of delivery to the project site and to be free from defects in manufacturing quality, design, and materials. If the pipe should fail during the warranty period due to manufacturing defects, the pipe shall be replaced at no expense to the City.



5. All materials used to manufacture the water materials used on the City's systems and projects shall be certified by the manufacturer to meet or exceed ASTM, AWWA, NSF and other nationwide accepted standards as applicable, most recent version. In the occurrence of a defect or failure while in service and under the warranty period, the City reserves the right to test the materials by an accredited commercial testing laboratory. If the material defect or failure is found to be the result of manufacturing, the manufacture will be responsible for replacing and installing the material at no expense to the City. Additional laboratory testing of pipes or materials associated with this project may be required if deemed necessary by the City.
6. Material product submittals shall provide sufficient data for the City to properly evaluate the materials.

## 2.B Water Pipe

1. All water pipe shall comply with and be labeled as approved by the National Sanitation Foundation (NSF) for use in potable water lines meeting NSF 14, 61 or NSF-pw.
2. PVC water pipe shall conform to the referenced standards of ASTM D1784 Standard Specifications for Rigid Poly (Vinyl Chloride) compounds with a cell classification 12454A or 12454B and Chlorinated Poly (Vinyl Chloride) Compounds and D3139 Standard Specifications for Joints for Plastic Pressure Pipes Using Flexible Elastomeric Seals and with the American Water Works Association PVC C900 Standard for Polyvinyl Chloride Pressure Pipe and Fabricated Fittings, 4-inch through 60-inch.
3. PVC water pipe gaskets per ASTM F477.
4. PVC water pipe wall thickness shall be DR-14, Ductile Iron Pipe Size OD DIPS, pressure class 305 psi.
5. PVC Pipe shall be colored blue – potable water.
6. PVC water pipe shall be clean, and ends shall be tarped during shipment.
7. Two-inch and one-inch water pipe for water services shall be cross-linked polyethylene PEXa. Pipe shall be CTS (copper tubing size, outside diameter controlled) size meeting the requirements of AWWA C904.
8. Two-inch water pipe for water main shall be HDPE SDR9 CTS meeting AWWA C901.

## 2.C Pipe Fittings

1. Standard pipe fittings shall be mechanical joint in accordance with AWWA C110 or C153. All fittings shall be lined with cement mortar not less than 1/16 inch thick in conformance with ANSI A21.4/AWWA C104 and the exterior of all fittings shall be coated with a bituminous coating.
2. The mechanical joint restraint shall be manufactured of ductile iron conforming to ASTM A536. The combination of the restraint(s) and fasteners shall have a pressure rating to the full pressure rating of the pipe. The restraint shall have a two to one safety factor and be manufactured by EBAA Iron, Inc., or approved equal.



## 2.D Valves

1. Valves 12-Inches and smaller shall be resilient wedge gate valves conforming to AWWA C509 with a working pressure of 250 psi, O-ring sealing, 2" square operating nut, open left and mechanical joint ends. All interior and exterior ferrous metal surfaces shall be coated with a minimum of 8 mils of fusion-bonded coating meeting the requirements of AWWA C550. Each valve shall have the initials of the maker, pressure rating and year of manufacture cast on the body. Prior to shipment from the factory, each valve shall be tested by hydraulic pressure equal to twice the specified working pressure. Valves shall be operated by hand wheel or operating nut as herein specified and shall have an arrow cast in the metal indicating the direction of opening. Valves to be installed underground shall be non-rising stem type.
2. Corporation valves shall comply with AWWA C-800 and shall be high pressure rated at 150 PSI. Outlet threads shall be according to the indicated connection. All corporations installed shall require a tapping saddle/service clamp as hereinafter specified.

## 2.E Fire Hydrants

1. Fire hydrants shall have a compression type main valve, open left, closing with line pressure. Nominal main valve opening shall be 5¼" with a Storz connection, with bronze-to-bronze seating, and 6-inch mechanical joint elbow. Hydrants shall be designed for a minimum working pressure of 250 psi and shall be subjected to hydrostatic tests of twice the rated working pressure in accordance with ANSI/AWWA C502.

## 2.F Tapping and Service Saddles

1. Tapping saddles shall be 304 stainless steel, flanged for the tapping valve and manufactured for a working pressure of 250 psi for sleeves sixteen-inches and smaller. Sleeves shall have a full body 360-degree gasket. Sleeve shall have a 3/4-inch test plug. Fabricated steel tapping sleeves shall be fusion bonded epoxy coated to a 12-mil thickness. Bolts and nuts shall be stainless steel. 100% stainless steel sleeves may be used, provided that all metallic parts of the sleeves shall be 100% stainless steel including bolts. Ductile iron flanges may be included on sleeves or saddles.
2. Service saddles shall be Triple Tap® "T3" Service Saddles by Total Piping Solutions, Inc. or equal with CC threads.



### III. Submission Requirements

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1. Cover Sheet stating the date of the quotation, the name, title, complete address, telephone number, and email address of the person responsible for the bid written on Bidder's letterhead.
2. Statement of Compliance to the specifications and requirements of this bid package, and, if applicable, confirmation of receipt and acceptance of any amendments or addenda to this package. This can be included on the cover sheet.
3. Bidders Proposal
4. Bidders bid amount on the supplied "Schedule of Estimated Quantities and Bid Prices"
5. Material product submittals

## **BID PROPOSAL**

### **North Greenwood Forest Neighborhood Water Replacement – Material Purchase**

- (1) Bidder proposes and agrees, in event this proposal is accepted, to enter into a contract with the City of Hendersonville of Henderson County, North Carolina (herein designated and referred to as the City), in the form herein specified, to furnish all materials for the aforementioned purchase, all in complete accordance with the requirements of the attached contract documents and specifications, to the entire satisfaction of the City, at the unit prices we have inserted opposite each item of work listed in the accompanying "Schedule of Estimated Quantities and Bid Prices" and/or Bid Sheet, which is an integral part of this proposal. Estimated quantities are not guaranteed and are solely for the purpose of comparison of Bids, payment will be based on actual quantities ordered at the issuance of a purchase order to the successful Bidder not to vary from 25% greater than or less than the quantities estimated.
- (2) Bidder hereby declares that the only person or persons interested in this proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into, that this proposal is made without connection with any other person, company or parties making a proposal, and that this proposal is in all respects fair and made in good faith without collusion or fraud.
- (3) This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of City.
- (4) Bidder further proposes and agrees, that, if awarded a contract for this project, he or she will commence with shop drawings, if applicable, immediately upon receiving a purchase order from the City; that he or she will furnish all materials for the completion of the contract and will complete same, including all accepted alternates thereto.
- (5) Payment and compensation terms for the material shall be as follows:

100% - Due net thirty (30) days from receipt of invoice upon delivery of the material to the project site and acceptance by City.
- (6) Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract.
  - a. Corrupt practice means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process.
  - b. Fraudulent practice means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner,



- (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition.
- c. Collusive practice means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels.
- d. Coercive practice means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

BIDDER hereby submits this Bid as set forth above:

Bidder:

\_\_\_\_\_  
*(typed or printed name of organization)*

By: \_\_\_\_\_  
*(individual's signature)*

Name: \_\_\_\_\_  
*(typed or printed)*

Title: \_\_\_\_\_  
*(typed or printed)*

Date: \_\_\_\_\_  
*(typed or printed)*

*If Bidder is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.*

Attest: \_\_\_\_\_  
*(individual's signature)*

Name: \_\_\_\_\_  
*(typed or printed)*

Title: \_\_\_\_\_  
*(typed or printed)*

Date: \_\_\_\_\_  
*(typed or printed)*

Address for giving notices:

\_\_\_\_\_  
\_\_\_\_\_

Bidder's Contact:

Name: \_\_\_\_\_  
*(typed or printed)*

Title: \_\_\_\_\_  
*(typed or printed)*

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Address:

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North Greenwood Forest Neighborhood Water Replacement - Materials Purchase  
City of Hendersonville  
Schedule of Estimated Quantities and Bid Prices

ITEM	ITEM DESCRIPTION	UNITS	EST. QTY	UNIT PRICE	EXTENDED PRICE	ESTIMATED LEAD TIME (weeks)
1	6" PVC Water Pipe AWWA C900 DR14,blue	LF	5300			
2	2" HDPE DR 9 HDPE CTS Water Pipe AWWA C901	LF	400			
3	6" MJ Restraint with bolt/gasket kit compatible with PVC C900	EA	30			
4	6" x 6" DOM 6 MJ AWWA C110 or C153 SWVL Tee	EA	9			
5	6" x 6" DOM 6 MJ AWWA C110 C153 Tee	EA	1			
6	6" DOM MJ AWWA C110 or C153 90 bend	EA	2			
7	6" DOM MJ AWWA C110 or C153 45 bend	EA	7			
8	6" DOM MJ AWWA C110 C153 22.5 bend	EA	5			
9	6" MJ Gate Valve, AWWA C509	EA	20			
10	2" TxT Gate Valve, AWWA C509	EA	3			
11	6" Bolt-Thru MJ Restraint Foster Adaptor Standard or equal	EA	6			
12	Fire Hydrant 4'0 bury, AWWA C502 Mueller Super Centurion, Clow Medallion, or East Jordan WaterMaster	EA	6			
13	P107 Valve Box, Water Lid	EA	21			
14	6" x 2" SS Tapping Saddle	EA	3			
15	6" x 1" CC SS Service Saddle - TPS T3 WideRange or equal	EA	60			
16	1" PEXa water service piping AWWA C904, Municipex or equal	LF	2300			
17	1" Corporation Stop AWWA C800, FORD FB1000-4-G-NL or equal	EA	60			
18	3/4" x 1" Grip Joint Coupling MIP/CTS AWWA C800, FORD C84-34-G-NL or equal	EA	60			
<b>TOTAL BASE BID</b>						
<b>TOTAL BASE BID (written in words)</b>						
<b>Name of Bidder</b>						