

ADDENDA

ADDENDUM NO. 01

DATE: June 4, 2021

PROJECT: WEST CAMERON AVENUE WATER MAIN REPLACEMENT – PHASE 2

OWASA CIP NUMBER: 275-52

OWNER: ORANGE WATER AND SEWER AUTHORITY

ENGINEER: McKim & Creed, Inc.

TO: Prospective Bidders

This Addendum forms a part of the Contract Documents and modifies the Bidding Documents dated May 2021, with amendments and additions noted herein below.

Acknowledge receipt of this Addendum in the space provided in the Bid form. Failure to do so may disqualify the Bidder.

This Addendum consists of 13 pages.

CLARIFICATIONS:

1. The Pre-Bid Meeting Minutes (dated May 27, 2021) and Pre-Bid Meeting Sign-In Sheet are attached and made part of the Contract Documents.
2. As a clarification, the intent for installation of new permanent water services and water meters is to replace size-on-size unless otherwise called out on the plans. Contractor to verify size of existing water services and water meters prior to installation of permanent water services and water meters, as described in General Note 3 on sheet G2.
3. As a clarification, one of the rails along South Merritt Mill Road was recently repaired and a rubber rail seal was not installed after the completion of the repair due to anticipation of this project and its impact to the railway panels and rail seals. The Contractor will be responsible for replacement of the railway panels and installation of permanent rubber rail seals along South Merritt Mill Road and West Cameron Avenue as shown on the Drawings.
4. As a clarification, installation of 4-inch permanent blow-off assemblies shall be in accordance with OWASA Standard Detail 514.06 on Sheet D3 of the Drawings as required for flushing of the new 12-inch water mains. After samples are collected and have passed bacteriological testing per the requirements listed in the Specifications, the Contractor shall remove the 4-inch vertical blow-off piping and install a 4"x2" tapped plug on the below grade 4-inch 90-degree MJ bend, followed by installation of 2" brass piping (vertical) with a threaded brass plug inside of a valve box, as shown in OWASA Standard Detail 514.04 on Sheet D2.

CHANGES TO THE DRAWINGS:

1. Delete "2" PERM. BLOWOFF" north of the existing 12"x12" cross at the end of the 12" restrained joint ductile iron water line near Station 30+03 on Sheet C7. Callout shall state, "12" DI PLUG IN NORTH SIDE OF EXISTING 12"X12" CROSS." As a clarification, a permanent blow-off assembly is not required to be installed at this location.

-END OF DOCUMENT-



**ORANGE WATER AND SEWER AUTHORITY  
WEST CAMERON AVENUE WATER MAIN REPLACEMENT – PHASE 2  
OWASA CIP NO. 275-52 / M&C PROJECT NO. 01519-0049  
DWI PROJECT NO. WIF 1981**

**May 27, 2021 at 1:00 PM**

**MANDATORY PRE-BID CONFERENCE MEETING MINUTES**

**Safety:**

OWASA's number one priority for all construction projects is safety.

**Project Bid:**

Sealed bids will be received by the Owner, Orange Water and Sewer Authority, in the Administrative Offices, 400 Jones Ferry Rd, Carrboro, NC 27510, until 2:00 PM local time, on **Thursday, June 17, 2021**, for the construction of the West Cameron Avenue Water Main Replacement – Phase 2 project, CIP No. 275-52.

**If Bids will be hand delivered, Bids should be checked in at the front desk so they can be time/date stamped. Bids must be time/date stamped by 2:00 PM on Thursday, June 17<sup>th</sup>. Bidders choosing to hand deliver bids shall wear a mask at all times when occupying the Orange Water and Sewer Authority Administrative Office. Bidders are reminded that if they are delivering bids via FedEx/UPS or USPS, bids should arrive before the stated time above of bid opening and be sent by registered mail in a separate mailing/delivery envelope plainly marked on the outside with the notation "BID ENCLOSED", and addressed to:**

**Simon Lobdell, PE  
Utilities Engineer  
Orange Water and Sewer Authority  
400 Jones Ferry Road  
Carrboro, North Carolina 27510**

The Bid opening will occur at the Orange Water and Sewer Authority Administrative Office building. One (1) representative from each organization will be permitted to attend the Bid opening

The bids will be available for public inspection with the assistance of OWASA personnel if interested parties do not want to be present at the bid opening. The bid results will be posted to the OWASA bid opportunities website no more than 48 hours after the bid.

- OWASA noted that bids will be accepted and timestamped at the front desk of the Administrative Office building for all bids that are delivered in-person.

Bid Structure:

The project is a Unit Price and Lump Sum Bid based on the items and quantities listed in the Bid Form.

Project Description:

The work will generally consist of water main replacement on West Cameron Avenue between the intersection of Merritt Mill Road and the Carolina Inn, including all associated appurtenances and restoration as described in the Specifications and as shown on the Drawings. The major work items are as follows:

- Complete and operable installation of approximately 3,200 linear feet of 12-inch restrained joint ductile iron water pipeline from a point roughly 150 feet north of the intersection of Merritt Mill Road and West Cameron Avenue to a point roughly 150 feet east of the intersection of Pittsboro Street and West Cameron Avenue.
- Installation of approximately 200 linear feet of 24-inch steel casing to be installed via open cut under existing railroad lines in two (2) locations, through which the aforementioned 12-inch restrained joint ductile iron water pipeline will run.
- As part of an alternate bid, installation of approximately 500 linear feet of 2-inch copper and PVC water pipeline on Cameron Court.
- Installation of all temporary and permanent water services, interconnections, and fire hydrant assemblies required to install a complete and operable water lines meeting local requirements and requirements as described in the Contract Documents.
- Abandonment of approximately 6,600 linear feet of 12-inch AC or CI pipeline by cellular concrete or grout fill.
  - OWASA noted that cellular concrete fill is considered an acceptable material for pipe abandonment; however, other materials meeting the requirements of the specifications may also be acceptable.
- As part of an alternate bid, abandonment of approximately 500 linear feet of 2-inch galvanized pipeline.
- Applicable traffic control, restoration, erosion and sediment control, permitting, and other items required to meet local requirements and requirements as described in the contract documents

Examination of Contract Documents and Site:

Bidder shall provide written notice to Engineer of all conflicts, errors, or discrepancies in the Contract Documents.

Construction Contract Periods and Schedules:

The Work shall be Substantially Complete within **365 CONSECUTIVE CALENDAR DAYS**, after the date when the Contract Time commences to run and shall be completed and ready for final payment within **395 CONSECUTIVE CALENDAR DAYS**, of the Notice to Proceed. In the event the add alternate bid item is selected by the Owner, the contract times will be increased by **45 CALENDAR DAYS**. No interim completion dates have been established for this project; however, work within the railroad rights-of-way shall only occur between May 1 and September 30.

Liquidated Damages:

Description	Number of Consecutive Calendar Days to Achieve Final Completion of the Work	Liquidated Damages (per day)
Substantial Completion	365 days from Notice to Proceed	\$1,000
Final Completion	395 days from Notice to Proceed	\$1,000

Bid Package Requirements:

If Bid is sent by registered mail, air/ground special delivery, or express delivery, the sealed Proposal, marked as indicated above, shall be enclosed in an additional sealed envelope similarly marked and addressed as follows:

BID ENCLOSED  
Simon Lobdell, PE  
Utilities Engineer  
Orange Water and Sewer Authority  
400 Jones Ferry Road  
Carrboro, North Carolina 27510

Mark envelope with the Project title and Contract number in the lower left-hand corner. We recommend proposals that are mailed be received 24 hours before the bid due date to avoid any

conflict. **If the Bidder chooses delivery of the Bid by means other than in person, neither Orange Water and Sewer Authority nor the Engineer assumes responsibility for delivery to the Bid opening.**

THE FOLLOWING FORMS ARE INCLUDED IN SECTION 00 41 44 – PROPOSAL AND SHALL BE COMPLETELY FILLED OUT AND SUBMITTED WITH THE BIDS. Failure to submit all of the forms below with the Proposal may be just cause for rejection of the Proposal by the Owner.

- Proposal and Bid Form
- Addenda Acknowledgement
- Certified List of Equipment/Material Manufacturers and Subcontractors
- Certification Affidavit and Bid Certification
- Qualification Statement for the Proposed Subcontractor for Railway Reconstruction and Restoration
- Evidence of Authority to do Business in the State of North Carolina
- Bid Bond or other Bid security
- Contractor's Affidavit of Organization and Authority
- Non-Collusion Affidavit for Contractors
- Non-Collusion Affidavit for Subcontractors
- Equal Employment Opportunity Certification
- Identification of Minority Business Participation
- State of North Carolina Affidavit A - Listing of Good Faith Efforts Form OR Affidavit B – Intent to Perform Contract with Own Workforce (as provided in Section 00 41 44)
- DWI Good Faith Efforts Form and Table A: Prime Contractor and List of Selected Subcontractors (as provided in Section 00 52 20)
- Both OWASA Minority Participation documentation and NCDWI MBE/WBE (DBE) documentation are required to be submitted with bid.

Additional Documents to be Included with the Bid (not included in Section 00 41 44 – Proposal):

- E-Verify Affidavit
- Iran Divestment Act Certification

Funding and MBE/WBE/DBE Requirements:

- Bidders must meet the State MBE/WBE Requirements – Please refer to the NCDEQ Division of Water Infrastructure MBE/WBE (DBE) Compliance Supplement
- The State has a 10% goal for MBE/WBE/DBE participation. Participation from MBE/WBE/DBE can be combined to achieve this goal.
- If any subcontractors are used, please ensure documentable solicitation for bids is available whether the goal is achieved or not
- NCDEQ DWI – Good Faith Efforts Form – (to be provided by all responsive bidders, only low bidders form submitted to the State)

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- NCDEQ DWI – Table A – Prime Contractor and list of selected subcontractors (to be provided by all responsive bidders, only low bidders form submitted to the State)
- NCDEQ DWI – Table B – Subcontractor Solicitation List (to be provided by low bidder)
- Buy American, Davis-Bacon, and American Iron & Steel certifications are required for this project

All Bids will be sent to the North Carolina Division of Water Infrastructure for review by the governing board. The Division of Water Infrastructure 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 and the State of North Carolina.

#### Method of Payment:

Bidder should refer to the Section 01 10 26 – Unit and Lump Sum Prices for a description of work to be included in each payment item and how that item is to be paid.

#### Geotechnical Data/Reports:

Appendix A.1 – Geotechnical Report prepared by Soil & Material Engineers, Inc., Dated May 6, 1985

Appendix A.2 – Letter Report of Subsurface Investigation prepared by Falcon Engineering, Inc., dated June 18, 2020

#### Survey and SUE Data:

Mobile scanning of above-grade topographic features was conducted by McKim & Creed in September 2019 (West Cameron Avenue and Cameron Court only). Topographic survey of additional above-grade topographic features, sanitary and storm sewer inverts, and right-of-way boundaries was performed by McKim & Creed, October 2019. Subsurface Utility Engineering (SUE) Quality Level D and B was performed by McKim & Creed in October 2019 and updated SUE Quality Level D was obtained in March 2020. SUE Quality Level A was performed by McKim & Creed in specific locations as shown on plan set in November 2020.

#### Permits and Encroachments:

The following permits and encroachments were obtained by OWASA prior to the IFB date with the exception of University of North Carolina at Chapel Hill/ Norfolk Southern Railroad – Encroachment Agreement as listed below:

- Appendix B.1 - NC Division of Environmental Quality - Public Water Supply Section - Engineering Plans Approval and Authorization to Construct

- Appendix B.2 - NC Division of Environmental Quality - Division of Energy, Mineral, and Land Resources - Erosion and Sedimentation Control Plan Approval
- Appendix B.2a - University of North Carolina at Chapel Hill - Landowner Agreement
- Appendix B.3 - NC Department of Transportation - Two-Party Primary Route Right-of-Way Encroachment Agreement
- Appendix B.4 - University of North Carolina at Chapel Hill / Norfolk Southern Railroad – Encroachment Agreement (pending)
- Appendix B.5 - Town of Chapel Hill -Construction Approval
- Appendix B.6 - Town of Carrboro - Construction Approval
- Appendix B.7 - University of North Carolina at Chapel Hill - Construction Approval
- Appendix B.8 - NC Division of Environmental Quality - Division of Energy, Mineral, and Land Resources NCG01 - Certificate of Coverage

Miscellaneous Items:

- OWASA anticipates award of Contract in August 2021.
  - OWASA indicated that the project would not be put on the board meeting agenda until July, so award of contract is now anticipated for August 2021.
- OWASA anticipates Notice to Proceed in September 2021.
  - OWASA indicated the project would not be put on the board meeting agenda until July, so Notice to Proceed is now anticipated for September 2021.
- Contact OWASA a minimum of 72 hours prior to the start of construction.
- Contractor shall begin work within 10 consecutive calendar days of the date specified in the Notice to Proceed. Failure of the Bidder to commence the work or fail to provide the required bonds shall result in forfeit of bid security as damages to Orange Water and Sewer Authority by reason of our failure, limited in amount to the lesser of the face value of the security deposit or the difference between this bid and the bid upon which the contract is signed.
- All work shall comply with the latest OWASA, Town of Chapel Hill, Town of Carrboro, UNC-Chapel Hill, and NCDOT Standards and Requirements.



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- McKim & Creed will be providing Construction Administration and full-time Observation services.
- Bidders shall be familiar with all conditions and provisions in the permits.
- The allowable hours of construction are from 7:00am to 7:00pm, Monday through Friday as specified by OWASA requirements. Allowable lane closure hours are from 8:00am to 5:00pm, Monday through Friday.
- Seven (7) Calendar days prior to temporary road closures, contractor shall notify property stakeholders and authorities having jurisdiction to coordinate traffic and community impacts, including personnel at Town of Chapel Hill, Town of Carrboro, and UNC-Chapel Hill. Impacts to school bussing, town bussing, emergency vehicles, and pedestrians shall be considered and coordinated with as a part of this notification process. This coordination effort is in addition to any required coordination necessary for the temporary railroad closure.
- Work within the Railroad right-of-way shall not occur from October 1<sup>st</sup> through April 30<sup>th</sup>. Duration of work within the railroads shall not exceed two (2) weeks per Specification 01 15 70 – Traffic Control, Section 1.11, Part C of the Project Manual. For all construction within the NS/UNC railroad right-of-way, actual dates of construction must be coordinated with UNC with six (6) week minimum notice, and contractor shall confirm that work is still scheduled to occur within seven (7) calendar days of planned start. A preconstruction meeting with the representatives of the railroad shall occur no less than fourteen (14) calendar days prior to the scheduled start of construction to discuss coordination.
- A preconstruction meeting with representatives from the UNC Cogeneration Facility shall occur no more than fourteen (14) calendar days prior to any scheduled work directly impacting this facility, including temporary water service installation or replacement of water main and services.
  - OWASA reiterated importance of fourteen (14) calendar day notice to the UNC Cogeneration Facility for any disruption to potable water service.
- Bidders are to note the project specific insurance requirements listed in Section 00 52 15 – Agreement Form – Unit Price Contract.
- Installation of water lines, services, fire hydrant legs, etc. that cross multiple lanes of traffic shall be phased to disturb only one (1) lane at a time. See traffic control sheets for additional information.
- Access to all residences, businesses, and UNC facilities shall be maintained at all times. Contractor shall coordinate with owners when crossing or impacting driveways.

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- Water line abandonment shall be performed in accordance with the latest edition of OWASA and NCDOT standards and requirements. All pipe greater than 4" in diameter which is abandoned in place shall be grout filled. Any AC pipe removed shall be handled and disposed in accordance with all federal and local laws/ordinances.
- New water line and associated fittings shall be restrained joint ductile iron in accordance with the latest OWASA standard specifications. Bidders are reminded to review all material requirements listed in the project specifications.
- Contractor shall maintain potable water service and fire protection throughout construction unless accepted by OWASA prior to a scheduled outage. Coordinate any OWASA approved potable water service or fire protection outages specific to UNC-owned properties with UNC representatives, including weekly project schedule updates and anticipated shutdown times. Provide a minimum of seven (7) calendar days advance notice for outages to UNC representatives and provide a minimum of two (2) business days notice of final shutdown. Temporary services and fire connections shall be used where expected disruptions exceed an 8-hour regular business day. Service must be restored prior to leaving the worksite at the end of each day.
- Contractor shall notify OWASA a minimum of five (5) working days prior to connecting existing water mains to new water main. Contractor shall coordinate all abandonment, valve box removal, and tie-in activities as required with OWASA. Contractor shall not operate and valves or fire hydrants.
- Any valves, blow off assemblies, meters, fittings, or other appurtenances removed as part of the abandonment activities shall be returned to OWASA, unless otherwise directed by Owner's representative.
- Contractor shall note all erosion and sedimentation control measures shown on plan sheets.
- Contractor is responsible for securing a laydown yard prior to mobilization and submitting plan for laydown area in accordance with the Drawings. Laydown yard(s) will be prohibited on UNC-Chapel Hill property.
- Bidders shall note the Allowances included in the bid form and refer to the Unit Price section of the specifications for how they apply to the Contract.
- Contractor shall obtain street cut permit from Greg Ling at the Town of Chapel Hill and complete an engineering construction permit with the Town of Chapel Hill prior to beginning construction.
- Contractor shall coordinate with Hunter Colbertson, assistance general manager, or Ralph Holbrook, maintenance director, at Granville Towers and Fetzer Street locations a minimum of (7) calendar days prior to any temporary road closures and scheduled construction in the vicinity of Granville Towers and Fetzer Street locations. Both contacts can be reached by phone at (919)-370-4500.
- Contractor shall coordinate construction schedule with James Doubts at james.doubts@carolina inn.com, director of engineering, at Carolina Inn prior to mobilization.

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- Contractor shall coordinate with Google Fiber prior to construction to determine schedule of installation for Google Fiber where shown on the Drawings.
- Contractor shall notify Mark Aldridge, deputy division traffic engineer, at (336) 487-0175 when excavation will occur within 500 feet of a NCDOT signalized intersection. Contractor shall notify Sajid Hassan, traffic signal system engineer, at [shassan@townofchapelhill.org](mailto:shassan@townofchapelhill.org) or by phone at (919)-969-5098 when excavation will occur within 500 feet of a Town of Chapel Hill signalized intersection. Contractor to locate all traffic signal or detect cables prior to excavation.
- It is the Contractor's responsibility to prepare accurate record drawing information per the requirements of the specifications (red-lined drawings).
- Bidders are to contact Adam Paukovich ([apaukovich@mckimcreed.com](mailto:apaukovich@mckimcreed.com)), Jason Savage ([jsavage@mckimcreed.com](mailto:jsavage@mckimcreed.com)) or Jacob Bowes ([jbowes@mckimcreed.com](mailto:jbowes@mckimcreed.com)) if there are technical questions regarding the plans and specifications. For general bidding questions, please contact Karen Mattingly ([kmattingly@mckimcreed.com](mailto:kmattingly@mckimcreed.com)). All questions must be submitted in writing. Bidders Questions received less than five (5) days prior to the date for opening of Bids may not be answered. This will be clarified in the project documents with an addendum.

Comments and Bidder Questions:

- **Question:** Will the contractor have to coordinate with Norfolk Southern for a railroad right-of-entry permit?  
**Answer:** The University of North Carolina at Chapel Hill (UNC-CH) owns and operates the railroad right-of-way along South Merritt Mill Rd and West Cameron Avenue. The Contractor will be responsible for coordinating with UNC-CH for right-of-entry permit for water line replacement work occurring within the railroad right-of-way.
- **Question:** How close can construction progress be to Granville Towers before they should be notified?  
**Answer:** OWASA will provide additional guidance on notification to Granville Towers in a future construction progress meeting approximately 30 days before any potential traffic control/potable water service disruption to Granville Towers. In general, the Contractor shall notify Granville Towers a minimum of (7) calendar days prior to any temporary road closures and scheduled construction within the vicinity of the of Granville Towers and Fetzer Street locations as listed above and as included in Note 25 on Sheet G2 of the plan set.
- **Question:** Who is responsible for hiring and coordinating geotechnical testing during construction?  
**Answer:** The Contractor will be responsible for quality control testing for field density/compaction tests per Specification 02275 – Trenching, Backfilling and Compaction of Utilities included in the project specifications. The Contractor will also be responsible for noting

specific requirements for installation of water line and restoration efforts when working within the railroad right-of-way as listed in Specification 02775 – Trenching, Backfilling, and Compaction of Utilities. The Contractor is required to submit a qualification statement to OWASA for the chosen subcontractor to provide reconstruction and restoration of the open cut railway meeting the criteria as listed in the project specifications.

- **Question:** Is pigging required for the new water mains?  
**Answer:** Pigging of new water mains is not required but may be performed at the contractor's discretion. Pigging does not relieve the contractor of any of the testing, flushing, chlorination, and sampling requirements listed in the specifications.
- **Question:** Are water service tie-ins expected to be completed within specified project work hours?  
**Answer:** OWASA intends for water service tie-in work to be completed during specified project work hours, but approval may be granted for work outside of project specified work hours as the situation warrants.

**Note:** During the meeting, a request was made for OWASA to consider conducting a meeting/forum to openly discuss issues Contractors are having with obtaining passing samples during bacteriologic testing of newly constructed water lines. OWASA indicated they would discuss further internally and work to schedule a meeting date in the near future. A bidder in attendance requested the meeting/forum be conducted prior to the Bid date for this project, as items discussed at the meeting could impact how bidders assemble their bid.



**ORANGE WATER AND SEWER AUTHORITY (OWASA)**  
**WEST CAMERON AVENUE WATER LINE REPLACEMENT - PHASE 2 (NC DWI PROJECT NO. WIF 1981)**  
**PRE-BID MEETING**  
**May 27, 2021**

**SIGN-IN SHEET**

<u>Name</u>	<u>Organization</u>	<u>Phone Number</u>	<u>Email</u>	<u>Attendance</u>
Jacob Bowes	McKim & Creed, Inc.	(919) 600-9947	JBowes@mckimcreed.com	✓
Jason Savage	McKim & Creed, Inc.	(919) 417-6199	JSavage@mckimcreed.com	✓
Cody Barnes	McKim & Creed, Inc.	(919) 616-4552	CBarnes@mckimcreed.com	✓
Simon Lobdell	OWASA	(919) 200-8870	SMLobdell@owasa.org	✓
Jason Aycock	MIS	919-201-3856	jayrock@mis-usa.net	
Casey Booth	MIS	336-413-8423	cbooth@mis-usa.net	
MARSHALL MOSEK	BRUCE ALLEN	919-369-2153	MARSHALL@BRUCEALLENCC.COM	
Brad Keeley	Moffat Pipe Inc	919.710.5407	Bkeels@MoffatPipe.com	
MARK SNYDER	AMERICAN TRACK	336-309-1265	MSNYDER@AMERICANTRACK.COM	
J. D. MITCHELL	STARK CONTRACTORS	919-718-1012	JSMITCHELL@STARKCONTRACTORS.COM	
Brian Hoover	CCI	919.588.9850	bhoover@cciconsulting.com	
MASON KENYON	PVI	919 6977414	mkenyon@pvi-nc.com	
Darion Berger	OWASA	919-537-9240	DBerger@OWASA.ORG	