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## Addendum No. 2

Date: *May 8, 2023*

Solicitation Number: *FY23-ITBCON-33*

Title: *McAlpine Creek 54" Sanitary Sewer Rehabilitation Phase 4*

Issued by: *Katherine Osborne*  
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Bidders should acknowledge receipt of this addendum on the Bid Form. Failure to acknowledge receipt of this addendum may result in the bid not being considered.

All Bidders are responsible for monitoring CLTWater's Contracting Opportunities website (<https://www.charlottenc.gov/Growth-and-Development/Doing-Business/Contract-Opportunities>) for additional changes or clarifications.

**REMINDER TO BIDDERS:** Access to manhole videos were provided to plan holders by CHA Consulting. If you have not received access to manhole videos, please reach out to Katherine Osborne at [katherine.osborne@charlottenc.gov](mailto:katherine.osborne@charlottenc.gov).

### Questions and Responses

- Question:** There are no vertical or horizontal scales on the Bid Plans for sheets 2-4. Can this be provided?

**Response:** The drawings are based on GIS and were not developed to a specific scale as sheet views were modified to fit on the sheet. There is no vertical scale to provide. The approximate scales by sheet are Sheet 2= 1": 90', Sheet 3= 1": 165', Sheet 4= 1": 150'.
- Question:** On Sheet 2 of 6, where does the R.O.W. line end for Halying Road off of Morrwick Rd? Please provide the R.O.W. line to the properties at the end of Halying that are located in the existing Duke Energy R.O.W.?

**Response:** There are gray lines on the drawings that approximate the road right-of-way and property lines. There is about 50 feet from the end of the Halying Road right-of-way to the Duke Power right-of-way that is privately owned (driveway). The property owner is aware of the project and has not raised any objections on using the driveway for access. The Contractor shall coordinate with the property owner to obtain access. Otherwise, access to the bypass area shall be along the easements of the smaller connection sewers or along the 54" sewer in the golf course. The contractor may use the Duke Power easement for access.

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3. **Question:** Access to the Bypass shown on Sheet 2 of 6 appears to go through private property off of Hayling. Likewise, access to the work also is shown on Duke Energy R.O.W. Does the Owner have access easements in place to reach the work, both from the private properties and also with Duke Energy? If so, please provide.
- Response:** Reference response provided in question 2.
4. **Question:** Will the Owner confirm the available budget for this project?
- Response:** Charlotte Water has set aside a dedicated budget for this project based on the Engineer's Estimate (approximately \$8.64 million).
5. **Question:** Will the Owner confirm that a 2nd CCTV file is required after pipe cleaning & before CIPP installation to confirm pipe dimensions for Owner/Engineer review & prior to ordering CIPP materials?
- Response:** The Contractor shall submit CCTV inspections as specified after the sewers are initially cleaned and televised. The Engineer will review these videos and determine if any point repairs are required and if the pipe is ready to be lined. When the Contractor returns at a later time to install the CIPP and performs a pre-installation cleaning and video inspection, that CCTV does not need to be submitted. The Contractor shall ensure that the pipe is clean and ready for installation. The Contractor shall order materials on their schedule as needed to implement the work.
6. **Question:** With the anticipated heavy debris expected in these lines, will the Owner please add a line item for debris disposal, \$/TN?
- Response:** This will not be added to the bid form.
7. **Question:** For bidding purposes, will the Owner/Engineer provide anticipated debris levels for the pipes scheduled for cleaning? Setting this expectation will allow all Bidders to incorporate the same level (e.g. Bidders assume ¼ pipe of debris, full length) into their \$/LF cleaning line item (if heavy debris, \$/TN isn't added), providing a better 'apples to apples' comparison.
- Response:** We do not have an anticipated debris levels in these sewers. Contractors may perform field inspections to obtain potential debris levels in the sewers as desired. Please schedule site visits with the Owner and Engineer.
8. **Question:** Will new manholes (to include risers/cones from adjustments) require manhole rehabilitation/coating?
- Response:** Yes. That work will be paid under the corresponding bid item.

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9. **Question:** Will the Owner/Engineer confirm the required post-CCTV submissions for all Bidders? Are these required after any point repair, CIPP install, and after all manhole rehabilitation is completed for a particular segment (resulting in 2-3 separate post CCTV submissions)? Or will one post CCTV (after mainline CIPP rehab with invert grouting is completed) be deemed sufficient?
- Response:** A post CCTV inspection is required to confirm that any point repair performed has been done properly prior to CIPP installation. "Pre-post" CCTV inspections are required as specified (including time requirements for submittal) to confirm that the CIPP has been properly installed and acceptable for payment. A final CCTV inspection is required after all rehab work is completed to include manhole rehabilitation where specified. Refer to the specifications.
10. **Question:** The current specification references maintaining a temporary field office near the Work. Will the Owner confirm this is required? Will the Owner provide an area for this to be set up?
- Response:** The field office is not mandatory but shall be provided as deemed necessary by the Contractor. On site meetings will be held at the golf course maintenance facilities.
11. **Question:** Will the Owner/Engineer confirm the expectation for inversion manhole safety & security for this project? Will safety fence and/or chain link panels secured around open manholes be deemed sufficient? Or will additional measures (e.g. steel plates, precast replacement, etc.) be required when open manholes are not monitored by adjacent site personnel?
- Response:** Fencing is not approved. The open manhole tops will have to be covered securely with some sort of plate, which may be steel, precast tops, heavy plywood sheets with 2x4 reinforcing, etc.
12. **Question:** During the pre-bid, weekend & night work was discussed as generally available between Nov. & April timeframe. The availability of night/weekend work plays an important role in determining production and bypass duration. Will the Owner please confirm that Bidders can presume there are no day or time restrictions for this project during the Nov. – April period (understanding some golf course events could periodically prevent weekend work)?
- Response:** Confirmed that there are no restrictions with work hours and workdays during this period as the question asks. As discussed at the pre-bid, we encourage the heavier work activities to be done at night (such as mobilizing equipment, placing mats, etc.). Night work is contingent on meeting noise ordinances and not disturbing residents in the area.

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- 13. Question:** Will the Owner confirm any Owner/Engineer inspector time limitations (daily or weekly) for this project? If the Contractor is responsible for covering the cost of any inspector overtime (daily or weekly), will the Owner please define the overtime period (i.e. over 8 hrs./day or 40 hrs./week) along with the hourly rate used for Owner compensation?
- Response:** There are no inspector limitations for this project and no overtime pay for inspection will be charged.
- 14. Question:** Will the Owner/Engineer confirm how the \$75,000 restoration allowance will cover typical construction restoration items associated with this type of work (e.g. tire/track ruts from equipment, grass install/watering, cart path concrete/paving repairs, etc.)?
- Response:** The \$75,000 allowance will cover all restoration work necessary on the golf course including the items listed. As specified and discussed at the pre-bid conference, the Contractor shall do all that is necessary to minimize damage to the course including installing mats at all locations where traffic leaves the golf cart paths (including along winding cart paths). In some instances, the Contractor may be directed to perform concrete restoration in which case that work will be paid under the corresponding bid items.
- 15. Question:** Will a Prime Contractor be allowed to qualify themselves as a 'Bypass Contractor'? Or is the Owner's requirement for this project that the Contractor only utilize subcontracted bypass resource who specialize in the renting, operation, & maintenance of bypass pumping?
- Response:** Yes, if they meet the specifications in Section 02510.
- 16. Question:** Will a CIPP Installer be allowed to qualify themselves as a 'Bypass Contractor'? Or is the Owner's requirement for this project that the Contractor only utilize subcontracted bypass resource who specialize in the renting, operation, & maintenance of bypass pumping?
- Response:** Yes, if they meet the specifications in Section 02510.
- 17. Question:** Will the Owner/Engineer provide feedback as to how wet weather/rainfall events will affect the lines scheduled for rehab to include increased flow? Will the Contractor be allowed to continue CIPP operations (inversion, cure, or cut-out) during wet weather (or anticipated rain)? Will the Owner/Engineer clarify any downtime we should incorporate into our pricing to account for anticipated lining delays due to weather events or rain in the forecast?

**Response:** The specified bypass system is designed to handle the maximum anticipated peak wet-weather flow. As long as the pumps are maintaining the specified flow levels in the 48" sewer, work can continue during wet-weather events if it is already underway. If the pumps are not maintaining the specified flow level for whatever reason, gravity service shall be restored unless the pump issues can be quickly resolved. If work has not begun and a significant wet-weather event is forecast, the Contractor should not begin the CIPP installation (which we expect would be standard operating procedure anyway), in particular since McAlpine Creek will flood out of its banks. We are not trying to limit work and have extended downtime during wet-weather events, but we have to ensure the pumps keep up with the flow and that we are not taking on undue risk by starting a CIPP installation during a major rain event

**18. Question:** Will the Owner/Engineer confirm any right of entries the Contractor is responsible for negotiating & obtaining to access existing easements?

**Response:** The Owner has only secured access to the site through the Carmel Country Club as specified on the drawings and along the sewer easements for the 54" and smaller connecting sewers. The Contractor may also access the sewers and manholes from public roads and along the Duke Power right-of-way (Charlotte Water and Duke have a mutual agreement). All other required access/rights of entry shall be the responsibility of the Contractor.

**19. Question:** If an approved CIPP product with a flex mod of less than 2.8m psi still produces a design thickness that matches the minimum specified thickness, will the Owner/Engineer accept that thickness design?

**Response:** Yes.

**20. Question:** Will the Engineer please clarify the following example of liner thickness design?

a. An approved CIPP product listed in section 02651A - 2.1 A produces 3rd party flexural modulus results lower than the 2,800,000-psi listed in spec section 02651A-1.2 C. The current bid schedule lists 54" Dia CIPP quantities for 11 mm & 12 mm. As an example, an approved product produces a flex mod of 2.4 million psi. If Contractor A calculates their design thickness using the 2.4 million psi value and the thickness is higher than the anticipated (or scheduled) quantity, will the Contractor be allowed to invoice for additional money for the increased thickness?

**Response:** No. The Contractor shall be paid for the thickness specified on the Drawings. For example, if the Drawings specify 11 mm and Contractor A calculates that 12 mm is required for their product at 2.4 million psi, then the Contractor shall install 12 mm for their specific design conditions but will be paid for 11 mm as specified on the Drawings.

----- END OF ADDENDUM NO. 2 -----