

ADDENDUM NO. TWO (2)

Date: September 12, 2023 Engineer's Project No. E21-116

PROJECT: Rock Springs Medical Sewer, BL125-23

Client: Gwinnett County, Georgia

This Addendum forms a part of the Contract Documents and modifies the original bidding documents for the above referenced project dated August 2023.

I. The following modifications should be changed throughout the Front-End Document as part of this addendum:

- M1. The Question deadline for **Rock Springs Medical Sewer, BL135-23** to be changed from ~~September 05, 2023~~ to **September 19, 2023** no later than 3:00 P.M.
- M2. Revising Supplemental General Conditions
- M3. Revise Appendix C – Stipulation for 2198 Buford Investment LLC.

II. Questions and Answers:

- Q1. We would like to get the AutoCad File for Drawing Sheet 14. There is a significant amount of earthwork on this sheet that we need to accurately quantify. Please have the Engineer provide this Autocad file for use during bidding the project.
A1. GCDWR to provide CAD file with existing and future contours for sheet 14 only. The CAD file is for the Contractor's convenience in preparing his bid; it is not part of the contract documents.
- Q2. Please provide the Pre-Bid sign in sheet.
A2. See attached.
- Q3. Please provide an updated Plan Holders List.
A3. See attached.
- Q4. The current geotechnical information provided for the Interstate 85 as well as the Brands Mart Way Jack and Bores is not sufficient to assist the contractor in determining whether a method of installation can be utilized that provides the owner more value than a maximum price / maximum time hand mined tunnel.
A4. No other geotechnical information will be provided by DWR for this project.
- Q5. Can a Geotechnical Baseline Report (GBR) be produced (explanation below) for the Jack and Bore Cased Crossings on this project?
A5. A Geotechnical Baseline Report (GBR) is not and will not be provided for this project.

- Q6. The GBR is intended to provide a reasonably comprehensive scope of statements that articulate in clear and objective terms selective physical subsurface conditions reasonably anticipated to be encountered in the performance of the work. The expectation is that the baseline statements (“Baseline Statements”) in the GBR will be derived from project-specific subsurface investigations, site data, and ground conditions evaluations, characterizations, tests, and analyses, all of which typically are compiled in a variety of factual reports, such as a Geotechnical Data Report (“GDR”). Baselines should provide the contractor with information necessary to bid and construct the project, while still allowing the contractor the freedom to choose viable means and methods.

The following are examples of items that should be addressed by the baselines:

- What type of ground will be encountered?
- Where will different types of ground exist?
- How will the ground behave?
- Will the ground behavior change over time?
- Will groundwater be encountered? Where? How much?
- Will there be obstructions that will impact tunnel advance?
- Are there third-party considerations not covered in the specifications that will affect construction?

Baselines should be clear and concise, leaving no room for interpretation. A baseline should be quantitative and allow all parties to readily identify on which side of the “line in the sand” an actual condition falls.



Allocation of Risk with Baselines

- A6. See answer to question 5.**

- Q7. I’ve been working my way through the Geotech reports for this project and note that the first report listed in the table of contents (United Consulting dated 7/16/21) is missing. Is this report available and is it related to the I85 crossing?

- A7. This was included in the TOC in error. It is not related to the I85 crossing.**

- Q8. Section A-01 22 15.11, SUP#1, Rip Rap Spreader Berms, Measurement and Payment includes the removal of these items. Is the intent to remove at some point, removal is not shown on the Drawings. If so, when would the removal need to take place.

- A8. Remove the Rip Rap Spreader Berms when permanent grassing is established on the site.**

- Q9. Section A-01 22 15.11, SUP#2, Temporary Down Drain Structures, Measurement and Payment includes the removal of these items. Is the intent to remove at some point, removal is not shown on the Drawings as they appear on the final phase erosion control drawings. If so, when would the removal need to take place.

- A9. Remove the Temporary Down Drain Structures when permanent grassing is established on the site.**

- Q10. Section I, Instruction to Bidders, Page 23, Bid Form, Bid Item 39, Rock Removal – Trench Rock and subsequent supplemental measurement and payment appears to indicate the Contractor will be paid for trench rock on a unit price basis. Please confirm. If so, would consideration be given to a more appropriate pay width versus the stated pipe diameter plus two feet.

- A10. Trench rock will be paid for under unit price basis as described in the Supplemental M&P #3.**

- Q11. Section I, Instruction to Bidders, Page 22, Bid Form, Bid Item 22, Sanitary Utility Sewerage Piping, 30" Diameter DIP, PC 150, Restrained Joint, appears to indicate the Contractor will be paid for restrained joint pipe on a unit price basis located at the aerial crossing. Please confirm. If so, how is the required restrained joint piping at other casings, both jack and bore and open cut, to be paid?
- A11. Bid item 25 is only for the RJ pipe in the aerial crossing. Restrained Joint Ductile Iron Pipe Barrels shall be manufactured in accordance with the latest requirements of AWWA C151/A21.51, as manufactured by American Cast Iron Pipe Lok-Ring or Flex-Ring, U.S. Pipe TR-FLEX, or approved equal. All other RJ piping & fittings are paid under the unit prices bid for DIP.**
- Q12. Section I, Instruction to Bidders, Page 23, Bid Form, Bid Item 49, 2198 Buford Investment Parcel Mass Grading, includes the grading shown on Sheet 14. Please confirm the contractor will be required to excavate the slope to plan grade no matter the material encountered (shot rock, blast rock, unsuitable soil etc.) and excavated material is to be placed in stockpile. Also, please confirm there are no compaction requirements for the stockpile as none are shown on the Drawings.
- A12. Confirmed that the contractor will be required to excavate the slope to plan grade no matter the material encountered. DWR reserves the right to require 85% compaction if needed. Changes to the grading plan may be made during construction if approved by both GCDWR and 2198 Buford Investment, LLC.**
- Q13. Drawing Sheet 07 has callout "Remove and Replace Black Chain Link Fence". Please confirm the fence is to be reinstalled to the existing location. If so, the fence will be located on top of the newly installed gravity sewer.
- A13. Fence is to be reinstalled. It is understood that part of the fence is near or crosses over the new gravity sewer. Do not place a fence post directly on top of the sewer pipeline.**
- Q14. Drawing Sheet 07, between MH 108 and MH 109, there is a callout "Remove EX. 8" DIP and Replace W/ 16" DIP (TYP.)". The profile shows 30" DIP. Please confirm which is correct.
- A14. Callout changed to read "Remove Ex. 8" DIP Gravity Sewer and Replace w / 30" DIP (Typ.)."**
- Q15. Drawing Sheet 13A, Note 6, requires Contractor to place steel plates on existing asphalt trail and the Contractor is responsible for any damage to the trail. What is the intent of the Bid Items 65 and 66 if not used here? There is no paving called out on the Drawings. Please clarify.
- A15. Contractor shall be responsible for repairing any damage to asphalt greenway trail at no additional cost to GCDWR. Owner directed paving may be utilized at County request.**
- Q16. Drawing Sheet 14, Note 3 states "All grading related to the 3:1 cut slope shall be performed only when a representative of S&ME is present to ensure slope stability." If there is an issue with slope stability, how will the Contractor be compensated for any changes, alterations to the excavation process or requirements from the S&ME representative.
- A16. The Contractor is responsible for maintaining slope stability, and all work required to maintain slope stability shall be included in the Contractor's bid. DWR's Geotech representative is to ensure the Contractor maintains slope stability. No additional payment shall be made for work in accordance with instructions from DWR's Geotech to ensure slope stability.**
- Q17. Drawing Sheet 15 calls for 6" Grouted Rubble Ditch. Section view of this ditch calls for Type 1 Rip Rap. Detail 709 on Sheet 19 also shows 6" stone embedded in 2,000 psi concrete. Type 1 Rip Rap has stone sizes much greater than 6" typically. Please confirm what is the correct size of stone for the Grouted Rubble Ditch. Also, what is the depth of the ditch from flow line to existing ground and what is the required thickness of the grouted rubble ditch.
- A17. Use type 3 rip rap for the Grouted Rubble Ditch as shown on Plan Sheet 15. 6" is the minimum thickness of the grouted rip-rap per Detail 709. Soil backfill will be required under the grouted rubble ditch as shown on the Pond Outlet HW Enlargement on Plan Sheet 15. Depth shall be as required to match proposed grade shown. See the existing contours shown on this drawing for the elevation of existing ground.**

- Q18. Drawing Sheet 15 calls for a Rubble Headwall. Can a precast headwall be used instead of the rubble headwall?
- A18. DWR intended this structure as a Rubble Headwall due to the weight of precast structure. Contractor alternatives may be submitted for consideration per contract documents.**
- Q19. Drawing Sheet 15, Note 6, states "When the existing OCS and principal spillway pipe are removed, any loose or softened subgrade soils shall be undercut (until firm soils are encountered) prior to backfilling to the new subgrade elevations." How will the Contractor be compensated for this undercutting? If firm soils are not encountered, how will the Contractor be compensated for other means of stabilization such as flowable fill?
- A19. Undercutting shall be covered by Bid Item 50 Pond Rehab lump sum. There is no additional payment for undercut due to softened subgrade soils. Flowable fill is not anticipated as a remedial action for soft soils. Refer to S&ME Geotechnical Report and subsequent addendums for soils information in this area.**
- Q20. Drawing Sheet 19, Detail OC1, no dimensions are provided for the concrete foundation slab. Note 2 states "Contractor shall prepare and submit shop drawings of OCS structure including foundation, standpipe, etc. shop drawings shall be stamped by a Georgia Licensed Professional Engineer." The Owner's Engineer of Record should be providing the basis of design and construction details for this work not the Contractor. Please clarify exactly what the Contractor's third-party Engineer is to design and stamp.
- A20. The note will be modified. The OCS will be replaced in kind. Shop drawings will be required, but not signed by a Professional Engineer.**
- Q21. Drawing Sheet 19, Detail GB1, shows a maximum depth of 8" below the pipe. How will the Contractor be compensated for additional stone if any loose or softened soils are encountered below this depth and require removal to firm soils?
- A21. Additional GAB bedding for detail GB1 will be paid using bid item 62, Graded Aggregate Base, if approved by GCDWR.**
- Q22. Drawing Sheet 20, is #57 stone required under the foundations for the piers?
- A22. Per S&ME Geotechnical Report (12/3/21), residual soils are expected to be encountered at shallow depths for aerial foundations, so stone will not be required.**
- Q23. Are the jack and bore installations guaranteed? Meaning the Contractor is responsible for installing the casing no matter the material encountered for the unit price bid. Also, will the crossing under Interstate 85 require the space between the carrier pipe and the casing pipe to be grouted with flowable fill?
- A23. Yes, the jack and bore installations are guaranteed. Flowable fill grout is not required for the space between the carrier pipe and the casing.**
- Q24. Table of Contents, Appendix "B" Geotechnical Report, lists "United Consulting Geotechnical Exploration Rock Springs Medical Sewer, Buford, GA July 16, 2021" however this report was not included in Appendix "B". Please provide this report. If this report does not provide information for the jack and bore crossing of Interstate 85, how is the contractor to access the area to perform supplemental investigations?
- A24. See question 7. No additional Interstate 85 access assistance is available.**
- Q25. During the bypass pumping of existing sewer systems, can automatic call boxes be used versus having a person onsite 24/7?
- A25. No.**

Q26. Drawing Sheets 22 and 29 identify three temporary stream crossings (Sr-C) with subsequent detail shown on Sheet 30. The detail on Sheet 30 identifies these crossings, #1, #3 and #4, as ford crossings. No details are provided on the Drawings for the ford crossings, only references to NRCS Conversation Practice Code 578 and Georgia's Best Management Practices for Forestry. Please provide the details that will be required for the ford crossings.

A26. See references provided, NRCS Conversation Practice Code 578.

Q27. Please provide an electronic copy of the AutoCad file for earthwork on Drawing Sheet 14.

A27. See Question 1.

Q28. Section I, Instruction to Bidders, Item 25, Area Office. Please clarify if the office and equipment storage yard located within Gwinnett County will be required for this project?

A28. An area office is not required for this project.

Q29. Sanitary sewer note no. 2 on sheet 02 states a pump rate of 17,500 GPM (Ivy Creek Bypass). Can you confirm that this is the flow rate of Ivy Creek flowing full or normal flow ?

A29. The flow provided is not flowing full. This pump rate should read 8,000GPM to account for Ivy Creek bypassing as depicted in the bypass table – Note updated.

Q30. Will a 24 hour bypass operation be permitted?

A30. Yes.

Q31. Requesting an extension to the bid date for this project. The crossing under Interstate 85 is a critical component and we need the missing Geotech for that scope of work.

A31. See Addendum #1. New bid date is September 28, 2023.

Q32. Will DWR allow for an extension to the work start date for the ordering and delivery of pipe for the project?

A32. No, the contract time will include pipe delivery lead times.

Q33. Are there modifications to the plans or details that we need to be aware of?

A33. DWR standard construction notes are modified from previous bids.

III. Attachments

- Pre-Bid Sign in Sheet
- Plan Holders List
- AutoCad File for page 14 (will be emailed to plan holders and posted to link provided: [Bids and RFPs -Gwinnett | Gwinnett County](#))
- Stipulation for 2918 Scenic Buford Retail, LLC
- Stipulation for 2198 Buford Investments, LLC.
- Revision to Supplemental Conditions for an additional insured.

All bidders shall acknowledge receipt of this addendum by inserting its number and date in the Bid Form. Failure to do so may subject bidder to disqualification. This addendum forms a part of the Contract Documents.

END OF ADDENDUM NO. TWO (2)