

ADDENDUM NO. 1
FLOWERY BRANCH WRF UPGRADE 2.2-MGD
CITY OF FLOWERY BRANCH

Sealed bids will be received until
10:00 AM local time on July 15, 2022

This addendum hereby amends and/or modifies the Contract Documents, Detailed Specifications, and Drawings, as indicated, that have been issued for this project by Infratec, Inc. Additionally, questions received by the Engineer are answered at the end of this addendum. All bidders are subject to the provisions of this addendum and shall acknowledge receipt of this addendum on the bid form.

1 CONTRACT DOCUMENTS

- A. Section 00400 – Bid Bond
 - 1. **REPLACE** entire section with the attached Section 00400.
- B. Section 00430 – Corporate Certificate
 - 1. **ADD** the entire attached Section 00430.
- C. Section 00450 – Affidavit of Status
 - 1. **ADD** the entire attached Section 00450.
- D. Section 00470 – Contractor Affidavit and Agreement
 - 1. **ADD** the entire attached Section 00470.
- E. Section 00480 – Subcontractor Affidavit and Agreement
 - 1. **ADD** the entire attached Section 00480.

2 DETAILED SPECIFICATIONS

- A. Section 00010 – Table of Contents
 - 1. **REPLACE** the entire section with the attached Section 00010.
 - B. Section 01016 - Occupancy
 - 1. **DELETE** paragraph 1.1.1.B
 - C. Section 02060 – Demolition of Existing Facilities
 - 1. **ADD** the entire attached Section 02060.
 - D. Section 08301 – Aluminum Hatches, paragraph 2.2.A and 2.2.B
 - 1. **REPLACE** the sentence “Door shall be equipped with a minimum of two heavy duty aluminum hinges with stainless steel pins so designed as to allow the cover to hinge 180 degrees and cone to rest on a floor slab a recessed watertight stainless steel handle will be provided to lift and close the cover” with “Door shall be equipped with a minimum of two heavy duty aluminum hinges with stainless steel pins and a recessed watertight stainless steel handle will be provided to lift and close the cover”
 - E. Section 08331 Overhead Coiling Doors, paragraph 1.03.D.1
 - 1. **REPLACE** “Florida Building Code” with “Georgia Building Code”
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- F. Section 11202 – Fabricated Slide gates and Weirs
 - 1. **ADD** “Fontaine” to the list of Acceptable Manufacturers.
 - 2. **ADD** “RW Gate” to the list of Acceptable Manufacturers.
- G. Section 11340 – Oxidation Ditch Equipment, paragraph 2.3.A.1
 - 1. **REPLACE** “2.5” with “2.3”
- H. Section 11360 – Disc Filtration
 - 1. **REPLACE** entire section with the attached Section 11360.
- I. Section 11500 – Polyethylene Storage Tanks
 - 1. **ADD** the entire attached Section 11500
- J. Section 13200 – Panels, paragraph 1.4.A
 - 1. **REPLACE** “Section 13000 – Instrumentation, Control and Monitoring System General Requirements” with “Section 13400 – Process Instrumentation”
- K. Section 15100, paragraph 2.2.B
 - 1. **ADD** “DeZURIK” to the list of Acceptable Manufacturers.
- L. Section 15100, paragraph 2.2.D
 - 1. **ADD** “American Flow Control” to the list of Acceptable Manufacturers.
- M. Section 15100, paragraph 2.2.F
 - 1. **ADD** “DeZURIK” to the list of Acceptable Manufacturers.

3 DRAWINGS

- A. **ADD** the following attached drawings
 - 1. EC-11
- B. **REPLACE** the following drawings with the attached drawings.
 - 1. 00-G-00
 - 2. 00-G-05
 - 3. 09-M-01
 - 4. 09-M-02
- C. Drawing C-3, Note 3
 - 1. **REPLACE** Note 3 with "Based upon the best records and information available, the old digester and drying bed structures have been removed. If remaining portions of these structures are encountered, additional demolition will be paid for out of the General Contingency Allowance, as required"
- D. Drawing C-4
 - 1. **REPLACE** the call out between SSMH 3-2 and SSMH P-4 “SS LINE P-4” with “SS LINE P-3”.
- E. Drawing C-18
 - 1. **CHANGE** the height of the fence from 8’ to 6’ and **DELETE** any references to black vinyl coating.

4 QUESTIONS AND ANSWERS

Q1-1: Page one of the Advertisement For Bidders notes that this project is a Federally Assisted State Revolving Loan Fund Construction Project. Forms provided in the GEFA section require entering the SRF Loan number. What is the SRF loan number?

- A1-1: The City of Flowery Branch will provide the SRF loan number to the selected Contractor upon award.
- Q1-2: *The bid bond currently identifies June 3 as the bid date. Please revise and reissue.*
- A1-2: See attached Section 00400.
- Q1-3: *Article 15 - Submittal of Bid, section 15.01 states in part, "The Bidder is required to furnish the completed bid form...and...all Division 00-Procurement and Contracting Requirements up through and including the SRF Supplemental General Conditions...". The SRF Supplemental General Conditions included with the bid documents is dated 2014. In 2016, the EPA removed EPA forms from bidding requirements. Is the owner still requiring minority bidders to include the 6100-3 DBE Subcontractor Performance Form at the time of the bid submission? Is the owner still requiring the prime bidder to submit 6100-4 DBE Subcontractor Utilization form with the bid submission?*
- A1-3: The forms required are in the GEFA Special Conditions. They are GEFA 4, GEFA 6, GEFA 9 and GEFA 10. EPA forms 6100-3 and 6100-4 are no longer required at bid submission.
- Q1-4: *Reference the Bidder's Statement of Qualifications, item 10. Item 10 states, "What percentage of the work pertaining to this contract will you perform with your own employees? The phrase, "Must be over 50%" is stated in parentheses. Is there a 50% or more self-perform requirement?*
- A1-4: Yes, there is a requirement for greater than 50% self-perform requirement.
- Q1-5: *Please confirm the total participation goal is 8%, (4%MBE, and 4%WBE)*
- A1-5: The participation goal is 8% (4% MBE and 4% WBE)
- Q1-6: *Does second tier MWBE participation count toward the participation goal?*
- A1-6: Second tier MWBE does not count toward the participation goal.
- Q1-7: *Is subcontractor and vendor MWBE participation valued equally at 100%?*
- A1-7: Subcontractor and vendor MWBE participation are both valued equally at 100%.
- Q1-8: *Drawing Index includes 3 drawings not provided: EC-11 - Final Plan West, 03-M-09 - Headworks Section and Details, and 04-E-09, Schematic Wiring Diagram. Please provide.*
- A1-8: See attached Drawing EC-11. Drawings 03-M-09 and 04-E-09 are not part of this contract.
- Q1-9: *The following drawings were received but not included in the Index: C15 through C-20, 16-M-23, 25-M-04, 04-E-16 and 04-E-17. Please provide.*
- A1-9: See attached revised Drawing 00-G-00.
- Q1-10: *The index lists all the 04 Electrical Drawings with the title, "Schematic Wiring Diagram". The drawing titles on these drawings are much more detailed. This makes it challenging to confirm receipt of Electrical Drawings. For example, The index lists 04-E-09; we received 04-E-09A and 04-E-09B. Please provide a detailed drawing index that matches the titles of the drawing provided.*
- A1-10: See attached revised Drawing 00-G-00.
- Q1-11: *Please provide demolition specifications. Are structures to be demolished fully and backfilled? Or structures to be cut off below grade 3' and then backfilled? Please advise.*

A1-11: The demolition scope of work is shown on the drawings. All structures to be demolished shall be removed entirely and disposed of in a legal manner.

Q1-12: *Please provide HVAC and plumbing drawings and specifications.*

A1-12: HVAC drawings and specifications are shown on Drawings 09-H-01, 09-H-02, and 09-H-03.

Q1-13: *Please reference the bid form, 00300, item 7. Item 7 lists 9 potential attachments to the Bid form. Please clarify, is the "Corporate Certificate" intended to be evidence of signing authority? If not, what is the Corporate Certificate?*

A1-13: See attached specification Section 00430.

Q1-14: *Please reference the bid form, 00300, item 7. Item 7 lists 9 potential attachments to the Bid form. Please clarify, is the "Affidavit of status" intended to be evidence of doing business in GA? If not, what is the Affidavit of status?*

A1-14: See attached specification Section 00450.

Q1-15: *Please reference the bid form, 00300, item 7. Item 7 lists 9 potential attachments to the Bid form. The item titled, "Subcontractor Affidavit and Agreement (if applicable)" was not included in the documents. Please confirm the affidavit is not required to be submitted with the bid submission.*

A1-15: See attached specification Section 00470.

Q1-16: *Reference drawing C-3, note 3. Please make this scope of work an allowance or provide specific details and parameters in order to make bidding fair for all bidders.*

A1-16: Note 3 on Drawing C-3 has been revised.

Q1-17: *Reference drawing C-8, grading note 1. Please provide address to offsite location for excess soils. Are unsuitable soils allowed at the offsite location? Is it acceptable for the contractor to use the offsite location as a stockpile area for suitable soils?*

A1-17: The land application site(s) located the intersection of Atlanta Highway and Thurman Tanner Drive can accept a limited quantity of good quality soil. The portion of the site to be used for excess soils is on the west side of the property. It is lightly wooded and the needed portion will be cleared by the City. Close coordination with the City of Flowery Branch is required to utilize this site.

Q1-18: *Reference drawing C-8, Grading Note 1. Please confirm if Land Disturbance Permits are in-place for the offsite location/stockpile area, or, if those permits and the associated E&SC measures will need to be assumed by the Contractor.*

A1-18: Since the disturbed area is expected to be less than one acre, the erosion control authority will have to be notified. No permit will be required. The erosion and sediment control activities will be assumed by the contractor.

Q1-19: *Drawing 00-G-04, Note #1 references upgrades to the outfall line (from 8" dia to 16" dia) which will cross the adjacent railroad. This outfall line is not shown elsewhere on the drawings. Please confirm that this work is not included in this contract, or, provide further details. If this work is to be included in this contract, please confirm who will be responsible for the permitting requirements, insurances, and fees associated with this work.*

A1-19: The described work will not be performed as part of this contract

- Q1-20: *Specifications 01010, 01041, and Appendix A reference the settlement that is expected to occur at the Carrousel Basin and the Secondary Clarifiers. The requirements therein state that piping connections to these structures cannot be made until the settlement of these structures has ceased. The Secondary Clarifier Influent Line needs to be installed, complete, prior to the construction, loading, and settlement of these structures because they are below these structures. It is not possible to make these connections after the structures have settled. Please confirm that the "no connection" requirement does not apply to these lines, or, advise of the engineer's suggested approach for these lines.*
- A1-20: The "no connection" requirement does not apply to the pipes under the referenced structures. The pipes underneath these structures shall be encased in concrete. Encasement shall be monolithic with the base slab of each structure.
- Q1-21: *Reference Drawing C-14 "SS Line P-4". On drawing C-16 "SS Line P-4" is between SSMH 3-2 and SSMH 3-3. However, drawing C-16 references "SS Line P-4" between SSMH P-4 and SSMH D-1. Please advise.*
- A1-21: On C-14, change the call out between SSMH 3-2 to SSMH P-4 to SS LINE P-3.
- Q1-22: *Please reference specification 08331, part 1.03.D.1. This section states that specification section 08331 shall comply with Florida Building Code. Please advise as project is located in the state of Georgia.*
- A1-22: Specification Section 08331 will reference the Georgia Building Code.
- Q1-23: *Specifications 01010, 01041, and Appendix A reference the settlement that is expected to occur at the Carrousel Basin and the Secondary Clarifiers. There is an extended loading/settlement period for these structures. No such requirements are described for the RAS/WAS/Scum Wet Well which is apart of the RAS-WAS-Scum Pump Station. This structure sits just a few feet away from the Secondary Clarifiers. Please confirm that no loading/settlement period should be assumed for the RAS/WAS/Scum Wet Well.*
- A1-23: No loading settlement period should be assumed for the RAS/WAS/Scum Wet Well.
- Q1-24: *Specifications 01010, 01041, and Appendix A reference the settlement that is expected to occur at the Carrousel Basin and the Secondary Clarifiers. These documents do not list any special requirements for the Grit/Screening Structures. Specification 03900-.03.A.1 states that an "extended test procedure" will be required at the Grit/Screening Structure. Please clarify if the Grit/Screening Structure will be subject to special loading/settlement requirements, or any extended test procedures.*
- A1-24: Per specification 03900, the structures listed under paragraph 3.03.A.1 shall be subject to the "Extended Test Procedure" for leakage testing of water retaining structures. There are no special loading/settlement requirements for these structures.
- Q1-25: *Drawing 21-M-01 shows concrete slabs at the Metal Salt/NaOH storage area which house an emergency eyewash/showers and yard hydrants and others that are meant for chemical unloading. These slabs are not shown on the structural drawings. Please confirm that the concrete pads should be based on the typical "Reinforced Concrete Paving and Pad Detail" on Dwg. C-18.*
- A1-25: The Concrete slab shall be 12" reinforced concrete with #6 @ 12" OC, EW as shown on 21-M-01. Add a note to include 12" of compacted GAB under the slab.
- Q1-26: *Please provide detail or specification for abandon of existing site utilities piping.*

- A1-26: Utility piping that is to be abandoned will be abandoned in place. Utility piping that is to be removed, as shown on drawings, entirely from the site and disposed of in a legal manner. All remaining pipe ends where pipe segments are removed shall be capped/plugged.
- Q1-27: *Reference specification 01041 paragraph 1.5B 1J. Paragraph 1.5B 1J mentions 1996 and 2003 plant record drawings. Please provide the 1996 and 2003 plant record drawings.*
- A1-27: Historic drawings will be provided separately. They are not to be considered a part of the proposed contract.
- Q1-28: *We are all aware of the current supply chain issues and abnormally long lead times for construction materials. We respectfully request consideration for an "Administrative NTP" 90-days prior to the construction NTP which is detailed in the contract documents. This approach would allow for the submittal and procurement process of these long lead items to begin prior to "starting the clock" on the construction schedule. This approach could lead to cost savings to the Owner while not delaying the overall completion of the project. Please confirm if this approach, or a similar one, would be acceptable.*
- A1-28: This change is not acceptable.
- Q1-29: *Please confirm if contractors should carry the cost of bulk chemical disposal prior to demolishing existing chemical storage tanks, or, if COFB will drain the chemicals from these tanks.*
- A1-29: The chemicals will not be disposed of. Contractor shall be responsible for transfer of chemicals inside of tanks to be demolished. These chemicals will be placed in other containers for use by the City.
- Q1-30: *Unit Price Item 'E' on the Bid Form lists "GeoGrid Stabilizer Stone – 200 S.Y.". However, Specification Section 00150 – Measurement and Payment, Paragraph 1.4-E just lists this bid item as "Geogrid". Please clarify what Unit Price Bid Item E is to consist of.*
- A1-30: *Unit Price Item E - GeoGrid is intended to be for geogrid stabilization underlayment, as determined by the Engineer and/or geotechnical testing representative.*
- Q1-31: *Specification Section 01590 requires an office trailer for the Engineer. It was noted during the pre-bid meeting that space on site is limited, and the drawings do not indicate where the Engineer's or Contractor's field office trailers can be located. Please provide a location on site for the required office trailers.*
- A1-31: The location of the office trailers will be decided during consultations with the successful bidder. The field office trailers will be located on the WRF site.
- Q1-32: *Drawings 21-M-01 and 22-M-01 show 12,000-gal chemical storage tanks. However, there doesn't appear to be any specifications for these tanks. Please provide specifications for these tanks.*
- A1-32: See attached specification Section 11500.
- Q1-33: *Regarding the chemical storage tanks shown on drawings 21-M-01 and 22-M-01, is the Contractor responsible for providing and paying for any chemical fills for start-up and testing, etc.?*
- A1-33: Contractor is not responsible for providing and paying for chemical fills for start-up and testing.
- Q1-34: *Drawing C-2 calls for chain link fence relocations and new access gates. Drawing C-18 shows a fence detail with a fence height of 8'-0" and a note that the fence mesh and poles*

are to be black vinyl covered. However, during the site visit the existing fence seemed to be galvanized and 6' high. Please confirm any new fence will be 6' height and galvanize.

A1-34: On Drawing C-18, change the height of the fence from 8' to 6' and remove any references to black vinyl coating.

Q1-35: *For the purpose of fulfilling resume submission requirements of the 'Bidder's Statement of Qualifications' for Principal-in-Charge position we would like to clarify if resume of the company's primary point of contact with the city of Flowery Branch for all contract related matters during the project execution is required, or if a resume of the Corporate Representative who is referred to as "Principal" on Bond and Debarment/ Suspension forms is required. Please advise.*

A1-35: Please provide the resume of the company's primary point of contact with the City.

Q1-36: *The Bid Bond provided in Section 00400 lists a Bid Due Date of June 3, 2022. Please provide an updated Bid Bond with the correct bid due date.*

A1-36: See attached Section 00400.

Q1-37: *Note 3 on drawing C-3 states the Contractor is to remove the remaining portions of the partially abandoned digester and drying bed. Note 3 on this drawing also states details of what remains of these structures is unknown. Specification Section 01041 references 1996 and 2003 plant record drawings. Can the plant record drawings of these structures be provided or can a statement be provided clarifying what the Contractor should assume will need to be removed so that all bidders are pricing similar quantities.*

A1-37: Note 3 on Drawing C-3 has been revised. Historic drawings will be provided separately. They are not to be considered a part of the proposed contract.

Q1-38: *Please provide forms that are stated to be submitted at time of bid within the bid form. Page 00300-5, Article 7.*

- *Affidavit of Status Form*
- *Contractor Affidavit and Agreement Form*
- *Subcontractor Affidavit and Agreement Form*

A1-38: See attached specification Section 00450, Section 00470, and Section 00480

Q1-39: *Please clarify the requirement for stone under concrete structures as drawings do not indicate stone under structures but 02200 Earthwork section 2.4-A indicates aggregates base under concrete slabs should be #57 stone. If stone is required, please provide thickness.*

A1-39: On Sheet S-01, Under the Foundation Design, add item 2. All concrete foundations and slabs shall include 12" compacted #57 stone.

Q1-40: *Due to the current market conditions and material price volatility we respectfully request confirmation by the Owner that the project is fully funded (by GEFA loan or any other funding sources), and there will be no delay in project award or Notice to Proceed past the durations contemplated by the bid documents.*

A1-40: The City has a commitment from GEFA to make additional funds available as required.

Q1-41: *There appears to be conflicting requirements between GC Para 14.05 and Section 01016 Para. 1.1.B as it relates to Partial Utilization and Warranty Start dates. Due to phased project delivery, we respectfully request deletion of revisions to Section 01016 Para. 1.1.B allowing Warranty period to start on the day of partial utilization when the structure/ equipment is put in service and is used by the Owner for its intended purpose.*

A1-41: DELETE paragraph 1.1.1.B.

Q1-42: *Reference drawing C-3/C-14. The SS line on the north side of the existing membrane building that connects to the existing UV system. The scope of work for that SS line is unclear. By the membrane building the line is shown to be demolished, however the other end of the line by UV system, no work is shown. Please advise.*

A1-42: The limits of demolition of the referenced pipelines are delineated by hatching on sheet C-3.

Q1-43: *Reference drawing C-3/C-14. The SS line on the east side of the UV system that connects to the existing clarifier no 1. The note on the drawing says remove line. However, it is unclear if the entire line is to be removed. The SS line by the UV system and clarifier no 1 show no work. Please advise.*

A1-43: The limits of demolition of the referenced pipelines are delineated by hatching on sheets C-3 and C-4. The SS line referenced (16" effluent) shall be removed from a point between the existing disc filter unit and package plant to the valve located directly upstream of the existing UV structure.

Q1-44: *Reference drawing C-3/C-14. The FM line on the north side of the existing membrane building that connects to existing membrane pump station. C-3 show the FM line getting partially demolished or abandoned. But on drawings C-14 and 16-M-03, the FM line looks to remain. Please advise.*

A1-44: The pipeline referenced shall be removed as shown, between the existing membrane feed PS and the existing membrane building. The remaining portion of pipe at the existing membrane feed PS shall be cut and capped/plugged.

Q1-45: *Please confirm the plant lines going to and from the abandoned drying beds and digester are out of service. If the lines are abandoned, are they filled with any grout or concrete? Please advise.*

A1-45: These lines are abandoned. Based on best records and information the pipes are abandoned in place and not filled with grout or concrete.

Q1-46: *Reference drawing C-3/C-14, the SS line on the north side of the existing membrane building that connects to the new membrane pump station. The remaining SS line from the membrane pump station to the existing flow equalization reject water storage tank is shown to be removed on drawing C-3. However, it looks like the SS line is only getting partially removed. Is the remaining part of the SS line to the existing flow equalization reject water storage tank to be capped and abandoned? Please advise.*

A1-46: This pipeline will be removed from the tie in point for the pipe that will connect to the new membrane feed PS wet well to a point near the existing equalization tank. The end of the pipe remaining near the existing equalization tank shall be capped/plugged.

Q1-47: *Please consider a 2-week bid postponement.*

A1-47: This change is not acceptable.

Q1-48: *Specification 08301, paragraph 2.2.A. and 2.2.B provide design criteria and product specifications for the aluminum access hatches. Both paragraphs state that "Door shall be equipped...with stainless steel pins so designed as to allow the cover to hinge 180 degrees...". After speaking with multiple Bilco representatives, this is not a feature on any Bilco products. Please advise.*

A1-48: REPLACE the sentence "Door shall be equipped with a minimum of two heavy duty aluminum hinges with stainless steel pins so designed as to allow the cover to hinge 180

degrees and cone to rest on a floor slab a recessed watertight stainless steel handle will be provided to lift and close the cover” with “Door shall be equipped with a minimum of two heavy duty aluminum hinges with stainless steel pins and a recessed watertight stainless steel handle will be provided to lift and close the cover”

Q1-49: Reference 13200 -Panels - 1.1 Scope. Section 1.1D identifies Section 13000 - Instrumentation, Control and Monitoring System General Requirements as a related section. 13000 does not appear in the Table of contents or the specs. Please provide.

A1-49: Specification 13200 should reference specification Section 13400, not Section 13000.

Q1-50: The provided bid bond form has been filled in with a bid date of June 3rd. Will a new updated form be provided?

A1-50: See attached Section 00400.

Q1-51: Specification section 13200 references section 13000, yet it is not listed in the table of contents or included in the documents. Please provide.

A1-51: Specification 13200 should reference specification Section 13400, not Section 13000.

**** END OF ADDENDUM ****