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**Addendum #1**

**Date:** March 12, 2024  
**From:** Lindsey McNeal, Procurement Strategist  
**To:** Interested Bidders  
**Subject:** Addendum #1 for Solicitation 24-8230 North County Water Reclamation Facility EQ Odor Control Improvements - Phase II

This Addendum has been issued for the following items identifying clarifications, changes, deletions, and/or additions to the original solicitation documents and bid schedule for the above referenced solicitation:

Words ~~struck through~~ are deleted; Words underlined are added:

**Change 1.** Sections of the specifications have been changed. New documents attached: 24-8230 Exhibit J Updated Table of Contents, 24-8230 Exhibit J Updated Summary of Work, and 24-8230 Exhibit J Updated Measurement and Payment

**Document revised**

24-8230 Exhibit J NCWRF EQ 1 & 2 OCU PH 2 Rev Bid Specs Final, sections.

**Sections Revised:**

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~~01 10 00 Summary of Work Contractor~~  
~~01 10 00.1 Summary of Work Vendor~~  
01 10 00 Summary of Work

**SECTION 01 10 00  
SUMMARY OF WORK**

**1.2 DESCRIPTION OF WORK**

A. General: The Work to be done under this Contract is shown on the drawings and specified in Contract Documents. The project intent is for the ~~Owner~~ Contractor to ~~pre-purchase~~ furnish and install the odor control equipment identified in the Vendor Provided Equipment List below, and as specified in ~~the~~ ~~Specification Section 01 10 00.1 Summary of Work Vendor~~ herein. Furthermore, the Contractor shall have sole responsibility for coordination of delivery, receiving, handling, installation, start-up and testing (with manufacturer's service), and providing all other equipment, materials, labor, or services as required for a complete odor control system installation that operates as intended.

B. The Work includes:

1. Furnishing of all labor, material, superintendence, plant, power, light, heat, fuel, water, tools, appliances, equipment, supplies, services and other means of construction necessary for: removing existing asphalt surface, concrete stairs, and concrete pad; furnishing and installing new odor control equipment consisting of two (2) custom Carbon Scrubbers with two (2) 30 hp duty ~~fan fans~~ and integrated ~~exhaust exhausts~~ (as specified and shown on the plans); furnishing and installing and connecting all process drains including duct and fan drains; relocating hose bib and rack; new plant water service; furnishing and installing two (2) new 28-inch FRP ducts; connections to existing ducts, installing vehicular guard posts; forming and placing concrete for concrete pads, steps and ramp; installing duct pipe supports to existing building; installing all necessary raceways, junction boxes, wires, grounding, lightning protection, etc. for power distribution and instrumentation and control devices, sensors, transmitters and wiring; point-to-point and functional testing of all I/Os with the

process control equipment and instrumentation; integration of vendor provided equipment and control panels with PLC-8, and Plant SCADA system; PLC hardware modifications; relocate existing exterior air conditioning unit, relocate site lighting, restore building finishes; site improvements and restoration necessary to complete the Work as intended and in accordance with the Contract Document requirements.

2. In addition, CONTRACTOR's equipment VENDOR shall:

- a. Provide the services of a local representative no farther than 50 miles away from the NCWRF job site. No out of State representatives will be allowed.
- b. Provide all pertinent drawings and specifications (instructions) necessary for the contractor to properly receive, store, protect, and install the new odor control equipment and appurtenances.
- c. Include heaters in all odor control units.
- d. Balance all fan motors/blowers at the factory prior to shipment to the job site and provide certification to the OWNER.
- e. Perform all startups, functional, performance testing, certifications, training, troubleshooting and resolution of deficiencies prior to substantial completion.
- f. Balance air flow to both units, as specified.
- g. Provide 96-hour notice to the ENGINEER, CONTRACTOR, and OWNER prior to shipment of any and all equipment.
- h. Coordinate with CONTRACTOR for their input and comments on all CONTRACTOR-provided submittals related to all odor control equipment and appurtenances, as detailed on Section 44 31 16 – Carbon Adsorber Odor Control Equipment.
- i. Be responsible for providing all testing and start-up services for equipment and material in accordance with Specification Section 44 31 16 – Carbon Adsorber Odor Control Equipment.

1.4 MATERIALS

- A. ~~The County has pre-purchased~~ CONTRACTOR shall furnish two (2) RJC-1013DR - Dual Bed Rectangular Carbon Adsorbers and associated equipment listed in the Vendor Provided Equipment list below). The CONTRACTOR shall provide all necessary labor and equipment for:
- B. CONTRACTOR shall be responsible to review the vendor provided equipment list with the equipment manufacturer within 3 working days to assure that all equipment and materials to be furnished by the manufacturer have been delivered. Equipment manufacturer and contractor shall both provide positive confirmation that all materials and equipment have been delivered to the project site. CONTRACTOR shall furnish and install any materials or equipment necessary to complete the Work that is not specifically identified on the Vendor Provided Equipment List ~~that are pre-purchased by the COUNTY.~~

1.5 START-UP, TESTING AND TRAINING

- A. CONTRACTOR shall be responsible for coordinating Vendor, COUNTY, and EOR to attend and witness start-up and testing, as well as provide all testing and start-up services for equipment and material ~~pre-purchased by the COUNTY,~~ unless otherwise noted.

1.6 WARRANTY

- D. Contractor shall notify the Owner, Engineer of any damages to ~~County pre-purchased~~ equipment, and coordinate with the manufacturer to determine an appropriate repair method that does not affect the manufacturer's warranty of the equipment.

**SECTION 01 20 00  
MEASUREMENT AND PAYMENT**

3.2 PAY ITEMS

E. Mechanical Equipment and Piping (Bid Item No. 5): Payment for mechanical equipment and piping will be made at the Contract lump sum price for all activities associated with installing the Carbon Scrubber equipment ~~pre-purchased by the COUNTY~~; furnishing and installation of two new 28-inch fiber-reinforced piping; furnishing and installation of all drain piping; and connection of PVC duct and fan drains as intended by the Contract Documents. This item includes furnishing all equipment not identified on the Vendor Provided Equipment List on the Plans and in the Specifications, labor, material, delivery, start-up and performance testing of two Carbon Scrubbers w/30 hp duty fans and exhaust stacks; furnishing of all materials, labor and equipment to install and connect all new piping and drains.

I. Odor Control Mechanical Equipment (Bid Item No. 9): Payment for odor control mechanical equipment will be made at the Contract lump sum price for all activities associated with furnishing the Carbon Scrubber equipment identified on the Vendor Provided Equipment List on the Plans and in the Specifications, as intended by the Contract Documents. This item includes furnishing all equipment, labor, material, and services for receiving, handling, protecting and storing the equipment, including coordination with Collier County Staff for temporary storage of equipment.

J. Owner Directed Allowance (Bid Item No. 9 10): Owner Directed Allowance shall be 10% of the Sum of Bid Item Nos. 1 through 8 (i.e. Bid Subtotal) and will be used only at the Owner's written direction to accomplish work due to unforeseen conditions and/or as directed by the Owner. **No additional payment shall be made for rock excavation, replacement of fill material or dewatering.** Use of Owner Directed Allowance must be approved by Collier County through a Work Directive prior to commencing execution of the work. Contractor shall be required to provide Time and Material back-up showing the change in labor, equipment, material, and services associated with completing changes identified in the Work Directive.

**Change 2.** New document uploaded 24-8230 Bid Schedule Revised.

***Document Revised***

24-8230 Bid Schedule

Bid Item No. 5 - MECHANICAL EQUIPMENT AND PIPING (~~Excluding Owner Purchased Evoqua Equipment~~)  
Bid Item No. 9 – Odor Control Mechanical Equipment

**Change 3.** The anticipated project budget in the Solicitation has been revised. New document has been uploaded: 24-8230 - Solicitation Revised.

***Document Revised***

24-8230 – Solicitation, Page 2 – 1<sup>st</sup> paragraph

INVITATION TO BID - COUNTY BID NO. 24-8230  
North County Water Reclamation Facility EQ Odor Control Improvements - Phase II

Sealed bids for the construction of North County Water Reclamation Facility EQ Odor Control Improvements - Phase II will be received electronically until **3:00 P.M. LOCAL TIME**, on the **29<sup>th</sup>** day of **March 2024 on the County's on-line bidding system: <https://www.bidsync.com/bidsync-cas/>**. All bids will be publicly opened and read aloud. Any bids received after the time and date specified will not be accepted and shall be returned unopened to the Bidder. The anticipated project budget is: ~~\$2,092,596.00~~ \$3,351,300.00.

**Change 4.** The Construction Services Agreement [2022\_ver.3] has been deleted and replaced with Construction Services Agreement 2024.

If you require additional information, please post a question on our Bid Sync ([www.bidsync.com](http://www.bidsync.com)) bidding platform under the solicitation for this project.

**Please sign below and return a copy of this Addendum with your submittal for the above referenced solicitation.**

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(Signature)

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Date

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(Name of Firm)

# Collier County Public Utilities NCWRF EQ Odor Control Improvements – Phase 2

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*All materials and construction methods used for the proposed project shall conform with the Collier County Water-Sewer District Utilities Standards Manual. The specifications sections identified below have been prepared by Stantec as Supplemental Specifications to the County Water-Sewer District Utilities Standards Manual. In the case of a conflict, the more stringent requirement that results in a higher quality finished product shall govern.*

### Technical Specifications

<u>Number</u>	<u>Section Name</u>	<u>Prepared By</u>
<b>Division 00 – Supplemental Conditions</b>		
00 00 00	Supplement Conditions	M. Lean
<b>Division 01 – General Requirements</b>		
01 10 00	Summary of Work	M. Lean
01 20 00	Measurement and Payment	M. Lean
01 32 17	Progress Schedule	M. Lean
01 33 00	Submittals	M. Lean
<b>Division 03 – Concrete</b>		
03 31 00	Cast-in-Place Concrete	P. Duquette
<b>Division 05 – Metals</b>		
05 05 19	Post-Installed Anchors in Concrete	P. Duquette
05 11 00	Structural Steel	P. Duquette
<b>Division 07 – Thermal and Moisture Protection</b>		
07 92 00	Joint Sealants	P. Duquette
<b>Division 09 – Finishes</b>		
09 24 00	Portland Cement Plastering	P. Duquette
09 96 00	High Performance Coatings	M. Lean
<b>Division 23 – Heating, Ventilating, and Air Conditioning (HVAC)</b>		
23 31 16	FRP Ductwork	H. Schmidt
<b>Division 26 – Electrical</b>		
26 00 00	Electrical Work, General	B. Buchanan
26 01 26	Electrical Tests	B. Buchanan
26 05 10	Electric Motors	B. Buchanan
26 05 19	Wire and Cabling	B. Buchanan
26 05 26	Grounding and Bonding for Electrical Systems	B. Buchanan
26 05 33	Electrical Raceway Systems	B. Buchanan
26 05 43	Underground Raceway Systems	B. Buchanan
26 05 73	Protective Device Studies	B. Buchanan
26 29 00	Low-Voltage Motor Control Centers	B. Buchanan
26 41 23	Lightning Protection System	B. Buchanan

**Division 40 – Process Interconnections**

40 05 06	Pipe Couplings	H. Schmidt
40 05 07	Pipe Supports	H. Schmidt
40 91 00	Instrumentation and Controls, General	B. Buchanan
40 91 04	H2S Gas Measuring	B. Buchanan
40 91 08	Pressure Measuring	B. Buchanan
40 95 13	Control Panels	B. Buchanan

**Division 44 – Pollution and Waste Control Equipment**

44 31 16	Carbon Adsorber Odor Control System	H. Schmidt
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**Permits Obtained by Collier County**

1. Collier County Growth Management and Community Development Department  
Site Development Plan Insubstantial Change No. PL20230013848  
Collier County North County Water Reclamation Facility #: 88322  
Issued: 09/18/2023
2. Florida Department of Environmental Protection  
Revision to North County Water Reclamation Facility Permit #: FL0141339-034-DW1P  
Revision Date: 10/26/2023
3. Florida Department of Environmental Protection  
Permit #: 189294-010 EM  
Minor Modification of Permits 189294-009-EM and 189294-008-EI

SECTION 01 10 00  
SUMMARY OF WORK

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Description of Work
- B. CONTRACTOR's use of Site
- C. Materials
- D. Start-up, Testing and Training
- E. Warranty
- F. Work sequence
- G. Salvaged Equipment and Materials
- H. County occupancy
- I. Protection of Existing Utilities
- J. Definitions

1.2 DESCRIPTION OF WORK

- A. General: The Work to be done under this Contract is shown on the drawings and specified in Contract Documents. The project intent is for the Contractor to furnish and install the odor control equipment identified in the Vendor Provided Equipment List below, and as specified herein. Furthermore, the Contractor shall have sole responsibility for coordination of delivery, receiving, handling, installation, start-up and testing (with manufacturer's service), and providing all other equipment, materials, labor, or services as required for a complete odor control system installation that operates as intended.
- B. The Work includes:
  - 1. Furnishing of all labor, material, superintendence, plant, power, light, heat, fuel, water, tools, appliances, equipment, supplies, services and other means of construction necessary for: removing existing asphalt surface, concrete stairs, and concrete pad; furnishing and installing new odor control equipment consisting of two (2) custom Carbon Scrubbers with two (2) 30 hp duty fans and integrated exhausts (as specified and shown on the plans); furnishing and installing and connecting all process drains including duct and fan drains; relocating hose bib and rack; new plant water service; furnishing and installing two (2) new 28-inch FRP ducts; connections to existing ducts, installing vehicular guard posts; forming and placing concrete for concrete pads, steps and ramp; installing duct pipe supports to existing building; installing all necessary raceways, junction boxes, wires, grounding, lightning protection, etc. for power distribution and instrumentation and control devices, sensors, transmitters and wiring; point-to-point and functional testing of all I/Os with the process control equipment and instrumentation; integration of vendor provided equipment and control panels with PLC-8, and Plant SCADA system; PLC hardware modifications; relocate existing exterior air conditioning unit, relocate site lighting, restore

building finishes; site improvements and restoration necessary to complete the Work as intended and in accordance with the Contract Document requirements.

2. In addition, CONTRACTOR shall:
  - a. Provide the services of a local representative no farther than 50 miles away from the NCWRF job site. No out of State representatives will be allowed.
  - b. Provide all pertinent drawings and specifications (instructions) necessary for the contractor to properly receive, store, protect, and install the new odor control equipment and appurtenances.
  - c. Include heaters in all odor control units.
  - d. Balance all fan motors/blowers at the factory prior to shipment to the job site and provide certification to the OWNER.
  - e. Perform all startups, functional, performance testing, certifications, training, troubleshooting and resolution of deficiencies prior to substantial completion.
  - f. Balance air flow to both units, as specified.
  - g. Provide 96-hour notice to the ENGINEER, CONTRACTOR, and OWNER prior to shipment of any and all equipment.
  - h. Coordinate with VENDOR for their input and comments on all CONTRACTOR-provided submittals related to all odor control equipment and appurtenances, as detailed on Section 44 31 16 – Carbon Adsorber Odor Control Equipment.
  - i. Be responsible for providing all testing and start-up services for equipment and material in accordance with Specification Section 44 31 16 – Carbon Adsorber Odor Control Equipment.
3. Procurement of all permits and payment of all permitting fees that may be required for completion of the work, unless noted otherwise.
4. Sole responsibility for adequacy of plant and equipment.
5. Maintaining the Work area and site in a clean and acceptable manner.
6. Maintaining existing facilities in service at all times.
7. Protection of finished, unfinished Work, and existing facilities.
8. Repair and restoration of Work or existing facilities damaged during construction.
9. Furnishing as necessary proper equipment and machinery, of a sufficient capacity, to facilitate the Work and to handle all emergencies normally encountered in Work of this character.
10. Furnishing, installing, and protecting all necessary guides, track rails, bearing plates, anchor and attachment bolts, and all other appurtenances needed for the installation of the devices included in the equipment specified. Make anchor bolts of appropriate size,



strength and material for the purpose intended. Furnish substantial templates and shop drawings for installation.

- C. Implied and Normally Required Work: It is the intent of these Specifications to provide the COUNTY with complete operable systems, subsystems and other items of Work. Any part or item of Work, which is reasonably implied or normally required to make each installation satisfactorily and completely operable, is deemed to be included in the Work and the Contract Amount. All miscellaneous appurtenances and other items of Work incidental to meeting the intent of the Contract Documents are included in the Work and the Contract Amount even though these appurtenances may not be specifically called for in these documents.
- D. Quality of Work: Regard the apparent silence of the Contract Documents as to any detail, or the apparent omission from them of a detailed description concerning any Work to be done and materials to be furnished as meaning that only the best general practice is to prevail and that only materials and workmanship of the best quality are to be used. Interpretation of these specifications will be made upon this basis.

### 1.3 CONTRACTOR'S USE OF SITE

- A. In addition to the requirements of the Supplemental Terms and Conditions, limit use of site and premises for work and storage to allow for the following:
  - 1. Coordination of the Work under this CONTRACT with the work of the other contractors where Work under this CONTRACT encroaches on the Work of other contractors.
  - 2. COUNTY occupancy and access to operate existing facilities.
  - 3. Coordination of site use with ENGINEER.
  - 4. Responsibility for protection and safekeeping of products under this CONTRACT.
  - 5. Providing additional off-site storage at no additional cost to the COUNTY as needed.
- B. Access to Site: Limited to work areas as shown on the Drawings.
- C. Construction Operations: Limited to work areas as shown on the Drawings.
- D. Time Restrictions for Performing Work: Operation of construction equipment is only permitted Monday through Friday, 7:00 AM to 7:00 PM. Contractor must receive written approval from the County Project Manager for work on Saturdays.

### 1.4 MATERIALS

- A. CONTRACTOR shall furnish two (2) RJC-1013DR - Dual Bed Rectangular Carbon Adsorbers and associated equipment listed in the Vendor Provided Equipment list below). The CONTRACTOR shall provide all necessary labor and equipment for:
  - 1. Receiving, inventorying, photo documenting conditions of equipment and materials to confirm all equipment and material make and model numbers match those ordered; confirming all ordered quantities have been delivered; thoroughly reviewing all items for damage and defects; storing and protecting the equipment and materials in accordance with the manufacturer's recommendations and requirements, and in the same manner as if the CONTRACTOR has purchased the material themselves; and notifying the COUNTY Project Manager and ENGINEER of any discrepancies in quantity, make, model, or damage and defects of equipment and material received.

2. CONTRACTOR shall immediately notify the COUNTY Project Manager and ENGINEER in the event any damages or defects are observed while the equipment and/or materials are still on the delivery truck. CONTRACTOR shall also provide photos of these damaged and defects to the COUNTY Project Managers and ENGINEER. CONTRACTOR shall provide the ENGINEER with a copy of the equipment/material delivery ticket(s) immediately upon receipt.
- B. CONTRACTOR shall be responsible to review the vendor provided equipment list with the equipment manufacturer within 3 working days to assure that all equipment and materials to be furnished by the manufacturer have been delivered. Equipment manufacturer and contractor shall both provide positive confirmation that all materials and equipment have been delivered to the project site. Contractor shall furnish and install any materials or equipment necessary to complete the Work that is not specifically identified on the Vendor Provided Equipment List.

<b>Vendor Provided Equipment List</b>		
<b>Item</b>	<b>Quantity</b>	<b>Title</b>
1	2	Exhaust Fan
2	2	Exhaust Fan Outlet Transition
3	2	28" ID Isolation Damper with Chain-Wheel Gear Operator
4	2	36" ID Exhaust Stack (with Bird Screen)
5	2	24" ID Access Manway
6	2	Differential Pressure Guage
7	4	1" Carbon Sample Valves
8	12	2" Vessel Drain
9	2	Carbon Bed Grounding Rod
10	4	ID Tag
11	2	Caution Tag
12	2	Logo
13	2	Anchor Lugs
14	16	Lifting Lugs
15	16	Inlet Air Sample Port
16	2	Outlet Air Sample Port
17	4	NFPA Label
18	2	12" ID Access
19	2	Fan Outlet Flexible Connector
20	2	28" Inlet Isolation Dampener with Chain-Wheel Gear Operator
21	2	Vessel

## 1.5 START-UP, TESTING AND TRAINING

- A. CONTRACTOR shall be responsible for coordinating Vendor, COUNTY, and EOR to attend and witness start-up and testing, as well as provide all testing and start-up services for equipment and material, unless otherwise noted.
- B. CONTRACTOR shall video record equipment vendor's training and provide electronic copies to COUNTY and EOR.

## 1.6 WARRANTY

- A. All material and equipment to be furnished and/or installed by the CONTRACTOR under their contract shall be guaranteed for a period of at least one year from substantial completion against defective materials, design, and workmanship, unless otherwise specified herein.
- B. The CONTRACTOR shall not tamper with or take any actions while handling, storing, or installing any equipment and/or material that would void the manufacturer's warranty.
- C. The CONTRACTOR shall provide all equipment, labor, and tools required to repair or replace any equipment or material during the project warranty period or equipment/material warranty, whichever is greater.
- D. Contractor shall notify the Owner, Engineer of any damages to purchased equipment, and coordinate with the manufacturer to determine an appropriate repair method that does not affect the manufacturer's warranty of the equipment.

## 1.7 WORK SEQUENCE

- A. Construct Work in stages to accommodate the COUNTY's use of premises during construction period and in accordance with the limitations on the sequence of construction specified. Coordinate construction schedules and operations with ENGINEER.
- B. Contractor shall prepare and submit a sequence of construction to the ENGINEER for review before commencement of work. The initial project schedule shall reflect the sequence of construction and shall indicate all anticipated tie-ins and/or shutdowns.
- C. Coordinate work of all subcontractors.
- D. The North County Water Reclamation Facility shall remain in service at all times during construction.
  - 1. Coordinate plant downtime for tie-ins with plant operations well in advance of the work with minimum 10-business day notice. Reschedule tie-ins as required by COUNTY based on plant operational needs, weather events, etc.
  - 2. Work requiring a partial plant shutdown, flow diversion, or piping cut-in shall not be allowed on Fridays or a day before a holiday.
- E. Existing equipment and structures are to remain in service until new equipment, materials, and equipment necessary to complete the installation are delivered to the Site and are ready to be installed.
- F. Provide temporary power to existing and proposed structures and equipment when work sequence dictates.

## 1.8 SALVAGED EQUIPMENT AND MATERIALS

- A. Salvaged materials, equipment or supplies are the property of the COUNTY and shall be delivered as directed by the COUNTY. Should the COUNTY choose to not accept these materials, they shall be removed from the project site as soon as practical. The CONTRACTOR shall dispose of materials in accordance with State and Local laws in a legal manner at no additional cost to the COUNTY.

## 1.9 COUNTY OCCUPANCY

- A. The COUNTY will occupy premises during entire period of construction in order to maintain normal operations. Cooperate with the COUNTY's Manager or designee in all construction operations to minimize conflict, and to facilitate COUNTY usage.
- B. Conduct operations with the least inconvenience to the general public.

## 1.10 PROTECTION OF EXISTING UTILITIES

- A. In case of damage to existing utilities caused by construction activities, contact the owner of the utility or appropriate COUNTY department (Water or Wastewater) immediately. Repair any damage to existing utilities caused by construction activities in coordination with or as directed by the owner of the utility.

## 1.11 DEFINITIONS

"COLLIER COUNTY", "COUNTY" or "OWNER" shall mean the Collier County Board of County Commissioners, Collier County, Florida, the Owner.

"ENGINEER" shall mean the person as authorized in writing by "Collier County" to act as their "representative".

"CONTRACTOR" shall mean the Construction Contractor who will be awarded a separate contract to install the equipment described in these Contract Documents as part of an overall **NCWRF** Equalization Tank (EQ) Odor Control Improvements Phase 2 project (PROJECT) under a separate competitive bid and award process.

"VENDOR" shall mean the party who will be providing the equipment specified and shown in these Contract Documents.

"MANUFACTURER" shall mean the party who will be fabricating and manufacturing the equipment specified and shown in these Contract Documents.

"WORK" shall mean all efforts and materials associated with the design, fabrication and delivery of the equipment as defined by these Contract Documents.

## PART 2 PRODUCTS

Not used.

## PART 3 EXECUTION

- A. Starting Work: Start Work within 10 days following the date stated in the Notice to Proceed and execute with such progress as may be required to prevent delay to other contractors or to the general completion of the project. Execute Work at such items and in or on such parts of the

project, and with such forces, material and equipment, as to complete the Work in the time established by the Contract.

- B. At all times, schedule and direct the Work so that it provides an orderly progression to completion within the specified time for completion.

END OF SECTION

NO TEXT ON THIS PAGE

SECTION 01 20 00  
MEASUREMENT AND PAYMENT

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Explanation and definitions.
- B. Measurement.
- C. Payment.
- D. Schedule of values.
- E. Applications for payment.
- F. Change procedures.

1.2 EXPLANATION AND DEFINITIONS

- A. The following explanation of the Measurement and Payment for the Bid Schedule items is made for information and guidance. The omission of reference to any item in this description shall not, however, alter the intent of the Bid Schedule or relieve the CONTRACTOR of the necessity of furnishing such as a part of the Contract. Measurement and payment for all Contract Items shall be made in accordance with this section or as modified by the Supplemental Terms and Conditions.

1.3 MEASUREMENT

- A. The quantities set forth in the Bid Schedule are approximate and are given to establish a uniform basis for the comparison of bids. The COUNTY reserves the right to increase or decrease the quantity of any class or portion of the work during the progress of construction in accord with the terms of the Contract.

1.4 PAYMENT

- A. Make payment for the items listed on the Bid Schedule on the basis of the work actually performed and completed, such work including but not limited to, the furnishing of all necessary labor, materials, equipment, transportation, clean up, restoration of disturbed areas, and all other appurtenances to complete the construction and installation of the work as shown on the drawings and intended by the specifications.
- B. Unit prices are used as a means of computing the final figures for bid and Contract purposes, for periodic payments for work performed, for determining value of additions or deletions and wherever else reasonable.

1.5 SCHEDULE OF VALUES

- A. Approval of Schedule: Submit for approval a preliminary schedule of values, in duplicate, for all of the Work. Prepare preliminary schedule in accordance with the Supplemental Terms and Conditions. Submit preliminary schedule of values within 10 calendar days after the Effective Date of the Agreement. Submit final schedule of values in accordance with the Supplemental Terms and Conditions.
- B. Format: Utilize a format similar to the Table of Contents of the Project Specifications. Identify each line item with number and title of the major specification items. Identify site

mobilization, bonds and insurance. Include within each line item, a direct proportional amount of CONTRACTOR's overhead profit.

- C. Revisions: With each Application for Payment, revise schedule to list approved Change Orders.

## 1.6 APPLICATIONS FOR PAYMENT

- A. Submit the number of copies of each application as required by the COUNTY on an Application for Payment form with format approved by COUNTY.
- B. Content and Format: Utilize schedule of values for listing items in Applications for Payment.
- C. Payment Period: Monthly.
- D. For payments for materials and equipment furnished and installed, furnish evidence that manufacturer's installation instructions were delivered with the material or equipment.
- E. Include an updated construction progress schedule.
- F. Include an updated schedule of Shop Drawing and Sample submittals.
- G. Include all other affidavits, certifications, and documentation as required by the COUNTY and the General Conditions.

## 1.7 CHANGE PROCEDURES

- A. ENGINEER will advise of minor changes in the Work not involving an adjustment to Contract Price or Contract Time as authorized by the General Conditions by issuing supplemental instructions in a Field Order.
- B. OWNER may issue a request for a change which includes a detailed description of the proposed change with supplementary or revised Drawings and Specifications. CONTRACTOR will prepare and submit within 30 days, a statement describing the effect on the Contract Price and Contract Time with full documentation.
- C. CONTRACTOR may propose changes by submitting a request for change to ENGINEER, describing the proposed change and its full effect on the Work. Include a statement describing the reason for the change, and the effect on the Contract Price and Contract Time with full documentation. Document any requested substitutes and "or-equals".
- D. Work Directive: ENGINEER may issue a Work Directive signed by OWNER, instructing CONTRACTOR to proceed with a change in the Work, for subsequent inclusion in a Change Order. Document will describe changes in the Work, and designate method of determining any change in Contract Price or Contract Time. Promptly execute the change.
- E. Change Order: ENGINEER will issue Change Orders for signatures of parties as provided in the conditions of the Contract.
- F. Cost of the Work Change Order: Submit itemized account and supporting data after completion of change, within time limits indicated in the conditions of the Contract. ENGINEER will determine the change allowable in Contract Price and Contract Time as provided in the Contract Documents.

## PART 2 PRODUCTS

Not used.



## PART 3 EXECUTION

### 3.1 GENERAL

- A. Measurement and Payment shall be made on the basis of work actually performed completing each item in the Bid, such work including, but not limited to, the furnishing of all necessary labor, materials, equipment, transportation, cleanup, and all other appurtenances to complete the construction and installation of the work to the configuration and extent as shown on the drawings and described in the specifications. Payment for each item includes compensation for project layout, cleanup and restorations. Monthly payment will not be made until cleanup and restorations have been completed and as-builts have been prepared and submitted to the EOR and County PM as required.

### 3.2 PAY ITEMS

- A. Mobilization / Demobilization (Bid Item No. 1): Payment for mobilization / demobilization will be made at the Contract lump sum price for all activities associated to Contractor's mobilization and demobilization. This price shall be full compensation for all costs incurred for preparatory work and operations including, but not limited to those necessary for the movement of personnel, equipment, supplies and incidentals to the project site; daily cleanup and incidentals to the project site; site safety and security; utility locates, construction photographs and videos; fees for bonds and insurance; for all other work and operations including submittals and obtaining construction permits, which must be performed prior to beginning work on various items; and for removal of all equipment, materials, and tools after the project has been completed. This item amount shall not exceed of 5% of the Bid Subtotal, and shall be payable as follows:

1. Up to 15% Can be invoiced by contractor in the first application for payment.
2. Up to 50% Can be invoiced by the Contractor in the application for payment proceeding the Contractor's approved application for payment for at least 50% of the value of work completed.
3. Up to 75% Can be invoiced by the Contractor in the application for payment proceeding the Contractor's approved application for payment for at least 75% of the value of work completed.
4. 100% Can be invoiced by the Contractor in the final application for payment once he has demobilized from the site.

The value of work completed shall not include any amounts due or paid for mobilization.

- B. Erosion and Sedimentation Control (Bid Item No.2): Payment for erosion and sedimentation control will be made at the Contract lump sum price for all items and activities associated to erosion and sedimentation control for the duration of the project. Payment shall include all erosion and sedimentation control per Collier County, South Florida Water Management District, and FDOT standards and as specified herein. Includes silt fence around entire disturbed area throughout the duration of the project. Payment for this item shall be invoiced monthly and shall be equally divided over the monthly duration of the project based on the amount of contract days.
- C. Demolition and Removal (Bid Item No. 3): Payment for demolition and removal will be made at the Contract lump sum price for all activities associated with demolition of existing asphalt surface, existing bollard, existing concrete step, and capping existing drain pit piping. This item also includes the removal and replacement of the existing plant service water, exterior luminaire,

relocation of existing air conditioning exterior unit by licensed HVAC contractor, and relocation of existing light pole; relocation of existing hose bib and rack. This item includes cutting, removal, and disposal of pipes; electrical equipment; FRP pipe; for all equipment and all other work necessary to complete the work; for preparing, filing and obtaining all permits necessary for all demolition and disposal activities; all clearing, hauling and disposal, disposal fees; and all other incidentals necessary to complete the demolition and removal as intended in the contract documents.

- D. Site Work (Bid Item No. 4): Payment for site work will be made at the Contract lump sum price for all activities associated with grading; excavation, backfill and compaction; replacing of sod and landscaping; cutting and replacing asphalt drive; furnishing of all equipment labor, and material for installation of vehicular guard posts; installation of 2-inch drain pipe to existing manhole with P-trap; and coating of concrete pads and steps, as intended by the Contract Documents. This item includes furnishing all equipment, labor, and material to place sod and watering until it has established roots to the underlying soil; all equipment and personnel to grade area affected by demolition and construction activities; and any other item that involves restoring the project site to pre-construction or better conditions. Contractor shall provide all water at no additional cost to the County.
- E. Mechanical Equipment and Piping (Bid Item No. 5): Payment for mechanical equipment and piping will be made at the Contract lump sum price for all activities associated with installing the Carbon Scrubber equipment; furnishing and installation of two new 28-inch fiber-reinforced piping; furnishing and installation of all drain piping; and connection of PVC duct and fan drains as intended by the Contract Documents. This item includes furnishing all equipment not identified on the Vendor Provided Equipment List on the Plans and in the Specifications, labor, material, delivery, start-up and performance testing of two Carbon Scrubbers w/30 hp duty fans and exhaust stacks; furnishing of all materials, labor and equipment to install and connect all new piping and drains.
- F. Electrical System (Bid Item No. 6): Payment for construction and installation of the electrical system, as shown in the Contract Documents shall be made at the appropriate contract lump sum price. Payment shall include all necessary labor, materials, equipment, services, testing, permitting, and coordination with the owner for furnishing and installing all conduit, conductors, disconnects, junction boxes, support racks, electrical equipment racks, sunshields, penetrations, terminations to new and existing equipment and instruments, existing electrical equipment modifications, PLC panels, cabinets, panels, cabinet and panel supports, instrumentation, switches, fiber optic work, surge protection, IO Cards, grounding and bonding, labels, nameplates, and any other equipment required for turnkey installation as intended by the Contract Documents. Contractor shall be responsible for coordinating with the County all programming and integration with existing plant network architecture.
- G. Structural Work (Bid Item No. 7): Payment for structural work, as shown in the Contract Documents shall be made at the appropriate contract lump sum price. Payment shall include all necessary labor, materials, equipment, services, testing, permitting, and coordination with the owner for construction of new concrete work (except bollards), ductwork offset brackets and pipe supports, repair of any damage to existing building including stucco and paint.
- H. 2-inch Plant Service Water Line (Bid Item No. 8): Payment for furnishing and installation of 2-inch polytube plant water line, as shown in the Contract Documents, shall be made at the appropriate contract lump sum price. Payment shall include all necessary labor, materials, equipment, services, testing, permitting and coordination with the owner for furnishing and installation of all necessary piping and appurtenances, necessary adapters, and connections to existing water main. The new plant water service line shall be installed from point of connection to the relocated hose bib and rack, as shown on Sheet C-103.

- I. Odor Control Mechanical Equipment (Bid Item No. 9): Payment for odor control mechanical equipment will be made at the Contract lump sum price for all activities associated with furnishing the Carbon Scrubber equipment identified on the Vendor Provided Equipment List on the Plans and in the Specifications, as intended by the Contract Documents. This item includes furnishing all equipment, labor, material, and services for receiving, handling, protecting and storing the equipment, including coordination with Collier County Staff for temporary storage of equipment.
  
- J. Owner Directed Allowance (Bid Item No. 10): Owner Directed Allowance shall be 10% of the Sum of Bid Item Nos. 1 through 8 (i.e. Bid Subtotal) and will be used only at the Owner's written direction to accomplish work due to unforeseen conditions and/or as directed by the Owner. **No additional payment shall be made for rock excavation, replacement of fill material or dewatering.** Use of Owner Directed Allowance must be approved by Collier County through a Work Directive prior to commencing execution of the work. Contractor shall be required to provide Time and Material back-up showing the change in labor, equipment, material, and services associated with completing changes identified in the Work Directive.

END OF SECTION

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