

# PROJECT AGREEMENT

Between

THE CITY OF SUNRISE

And

CAROLLO ENGINEERS, INC.

For

Project Agreement Number: PA-23-022-CE

## SAWGRASS WATER TREATMENT PLANT CLEARWELL BYPASS EVALUATION AND BASIS OF DESIGN

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Pursuant to the provisions contained in the Continuing Services Agreement between the City of Sunrise (“City”) and Carollo Engineers, Inc. (“Consultant”) for Professional Services – Water, Wastewater, Wastewater Reuse and Natural Gas Utilities Projects (hereinafter referred to as “Continuing Services Agreement”) dated May 7, 2021, this Project Agreement (hereinafter referred to as “Agreement”) authorizes the Consultant to provide the services as set forth below:

### **SECTION 1 INCORPORATION OF CONTINUING SERVICES AGREEMENT**

- 1.1 All terms and conditions of the Continuing Services Agreement between the City and the Consultant dated May 7, 2021, not specifically modified by this Agreement shall remain in full force and effect and are incorporated into and made a part of this Agreement by this reference as though set forth in full.

### **SECTION 2 CONSULTANT’S BASIC DUTIES TO CITY**

- 2.1 By executing this Agreement, the Consultant represents to the City that the Consultant is professionally qualified to act as the Consultant for the Project (hereinafter referred to as “the Project”) and is licensed to practice engineering by all public entities having jurisdiction over the Consultant and the Project. The Consultant further represents to the City that the Consultant will maintain all necessary licenses, or other authorizations necessary to act as Consultant for the Project until Consultant’s duties hereunder have been completed. The Consultant shall be responsible for providing all necessary subconsultants required for the successful completion of the work as outlined in EXHIBIT “1,” Scope of Services. The Consultant assumes full responsibility to the City for the improper acts, negligence, and omissions of its subconsultants and of all others employed or retained by the Consultant in connection with the Project.
- 2.2 Execution of this Agreement by the Consultant constitutes a representation that the Consultant has become familiar with the Project site and the local conditions under which the Project is to be implemented.
- 2.3 THIRTY PERCENT DESIGN DOCUMENTS - NOT USED

- 2.4 SIXTY PERCENT DESIGN DOCUMENTS - NOT USED
- 2.5 NINETY PERCENT DESIGN DOCUMENTS - NOT USED
- 2.6 ONE HUNDRED PERCENT DOCUMENTS - NOT USED
- 2.7 ADMINISTRATION OF CONSTRUCTION - NOT USED
- 2.8 ADDITIONAL SERVICES

The following services of the Consultant are not included in Sections 2.3 through 2.7, nor in EXHIBIT "1," Scope of Services. Nevertheless, the Consultant shall provide such services as related to the Project if authorized in writing by the City prior to the performance or furnishing of same, and, unless otherwise specified in this Agreement, said services shall be paid for by the City as provided hereinafter.

- 2.8.1 Providing services to perform an extraordinary examination or investigation of existing conditions or to make measured drawings, or to verify the accuracy or other information provided by the City.
- 2.8.2 Making revisions in drawings, specifications or other documents when such revisions are inconsistent with written direction by the City previously given, are required by the enactment or revision of codes, laws or regulations subsequent to the preparation of such documents and not reasonably anticipated, or are due to other causes not within the control or responsibility of the Consultant, either in whole or in part.
- 2.8.3 Preparing drawings, specifications and supporting data in connection with Change Orders, provided that such Change Orders are issued by the City due to causes not within the control or responsibility of the Consultant, either in whole or in part.
- 2.8.4 Providing services concerning repair or replacement of work damaged by fire or other cause during construction provided that such services are required by causes not the responsibility of the Consultant, either in whole or in part.
- 2.8.5 Providing services made necessary solely by the default of the Contractor or defects or deficiencies in the work of the Contractor.

## 2.9 SERVICE SCHEDULE

- 2.9.1 The Consultant shall perform its services in accordance with agreed upon schedule. The Consultant shall submit for the City's approval a schedule for the performance for the Consultant's services that shall include allowance for time required for the City's review of submissions and for approvals of authorities have jurisdiction over the Project. The City shall review and approve or reject any schedules submitted by the Consultant within five (5) working days of said submittal. If, in the event that construction of the Project is suspended for more than thirty (30) days, the Consultant shall also suspend Construction Administration Services upon request of City. Any time spent on the Project at the request of the City or on the City's behalf during this suspension shall be additional services and shall be paid based on the Standard Hourly Rates attached to the Continuing Services Agreement as EXHIBIT "B" Hourly Rates. The reasonable term of construction upon

which the fees for Construction Administration Services in this Agreement are based, shall be extended to include the period of construction suspension. This schedule, when approved by the City, shall not, except for cause, be exceeded by the Consultant. In the event the City rejects any schedules submitted by the Consultant, the Consultant shall submit a revised schedule within forty-eight (48) hours of said rejection. Submission of a schedule acceptable to the City and to which the City makes no objection shall be a condition precedent for any payment to the Consultant.

2.9.2 Upon receipt of the Notification of Commencement and the fully executed Purchase Order, the Consultant shall commence services to the City on the Commencement Date, and shall continuously perform services to the City, without interruption, in accordance with the time frames set forth in the "Project Schedule," a copy of which is attached and incorporated into this Agreement as EXHIBIT "2." The number of calendar days from the Commencement Date, through the date set forth in the Project Schedule for completion of the Project or the date of actual completion of the Project, which ever shall last occur, shall constitute the Contract Time.

2.9.3 Liquidated Damages: The parties recognize and agree that certain events may cause the City to suffer losses that are by their nature uncertain, difficult to prove, and not ascertainable at the time this Agreement is entered into. The parties agree that certain breaches will cause Consultant to pay City liquidated damages resulting from the breach. In no event shall these liquidated damages be construed or deemed to constitute penalties. Unless otherwise excused by the City in writing, in the event that the Consultant fails to meet the Contract Time for completion of a particular milestone of service(s) as determined by the Project Schedule, the Consultant shall pay to the City the sum of dollars identified below per day for each and every calendar day of unexcused delay beyond the milestone completion date(s) identified below, until completion of the milestone:

Milestone 1: Task 2 - Basis of Design Report.....\$100

2.9.4 No Damages for Delay: The Consultant shall not be entitled to any claim for damages including, but not limited to, loss of profits, loss of use, home office overhead expenses, equipment rental and similar costs on account of delays in the progress of the Project from any cause or national disaster or emergency, unusual delay in deliveries, unusual delay in procuring permits, differing site conditions, unavoidable casualties or other cause beyond the Consultant's control, or by delay authorized by the City, or by other causes which the Consultant determines may justify delay. The Consultant's sole recovery and remedy for any such delay shall be a reasonable extension of time and a revision to the Project Schedule as determined by the City. However, additional costs to the Consultant or delays in the Consultant's performance caused by improperly timed activities shall not be the basis for granting a time extension. If the Consultant wishes to make a claim for an increase in time of performance, written notice of such claim shall be made to the City within three (3) working days after the occurrence of the event, or the first appearance of the condition giving rise to such claim. The City's representative shall determine whether the Consultant is entitled to a time extension for the delay. The failure of the Consultant to give such notice shall constitute a waiver of any claim under this section.

2.9.5 Notwithstanding the provisions of Subparagraph 2.9.4, in the event that the Contractor fails to substantially complete the Project on or before the Substantial Completion date specified in the Construction Contract or the Contractor is granted an extension of the time to complete performance under the Construction Contract and the Consultant's Contract

Administration Services are materially extended by the City as a direct result thereof and through no fault of the Consultant, the Consultant shall be entitled to additional compensation at the rates shown in the Continuing Services Agreement EXHIBIT "B." The amount of compensation due by the Consultant under this Subparagraph shall be pursuant to approved written Amendment to this Agreement.

## 2.10 PERSONNEL

2.10.1 The Consultant shall assign only qualified personnel to perform any service concerning the Project. At the time of execution of this Agreement, the parties anticipate that the following named individuals will perform those supervisory or primary functions indicated:

<u>NAME</u>	<u>FUNCTION</u>
Lyle Munce, P.E.	Company Officer
Christopher Reinbold, P.E.	Senior Principal Professional
Brian LaMay, P.E.	Senior Principal Professional
Mark Roads, P.E.	Professional
Joel Smason, P.E.	Senior Principal Professional
Jim Keistler	Senior Designer
Shoshana Woody	Administrative Assistant

So long as the individuals named above remain actively employed or retained by the Consultant, they shall perform the functions indicated next to their names. Furthermore, the City reserves the right to reject any proposed substitution for any of the above named individuals, and the City shall have the further right to require that any individual assigned to the Project by the Consultant be removed from the Project and reassigned for good cause.

## **SECTION 3 CITY'S BASIC DUTIES TO CONSULTANT**

- 3.1 The City shall provide the Consultant with adequate information regarding the City's requirements for the Project including any desired or required design or construction schedule, or both, and any budgetary requirements including fixed limit of construction cost, prior to the start of the Construction Documents portion of design, upon which the Consultant shall be entitled to rely.
- 3.2 The City shall review any documents submitted by the Consultant requiring the City's decision, and shall render any required decision pertaining thereto in a timely fashion.
- 3.3 The City shall furnish structural, mechanical, chemical and other laboratory tests, inspections and reports as required by law or the Construction Contract.
- 3.4 If the City becomes aware of any fault or defect in the Project, nonconformance with the Construction Contract, or of any errors, omissions or inconsistencies in the

drawings or specifications, prompt notice thereof shall be given by the City to the Consultant.

- 3.5 The City shall perform those duties set forth in Sections 3.1 through 3.4 as expeditiously as may reasonably be necessary for the orderly progress of the Consultant's services and of the work.
- 3.6 The City's review of any documents prepared by the Consultant or its subconsultants shall be solely for the purpose of determining whether such documents are generally consistent with the City's construction program and intent. No review of such documents shall relieve the Consultant of its responsibility for the accuracy, adequacy, fitness, suitability and coordination of its work product.

**SECTION 4 CONSTRUCTION COSTS**

- 4.1 If the cost of construction exceeds the cost agreed upon by the City by more than 5% of the lowest bona fide bid or negotiated proposal, the City may (1) give written approval of an increase in such fixed limit, (2) authorize rebidding or renegotiating of the Project, (3) terminate the Project and this Agreement in accordance herewith, or (4) cooperate in revising the Project scope or quality, or both, as required to reduce the construction cost. In the case of (4), the Consultant, without additional charge to the City, shall consult with the City and shall revise and modify the drawings and specifications as necessary to achieve compliance with the cost agreed upon by the City. Absent negligence on the part of the Consultant in making its estimates of probable construction cost, providing such modifications and revisions shall be the limit of the Consultant's responsibility arising from the establishment of such construction costs, and having done so, the Consultant shall be entitled to compensation for all other services performed, in accordance with this Agreement.

**SECTION 5 BASIS OF COMPENSATION**

- 5.1 The City shall compensate the Consultant for an amount not to exceed \$55,281 based on services rendered pursuant to Sections 2.3 through 2.7 and **EXHIBIT "1,"** Scope of Services, of this Agreement by allocating the estimated percentage of work for each of the tasks set forth in Section 5.2. Billings for each task shall not exceed the amount allocated to each task.

- 5.2 **Payment to the Consultant of the sum set forth in Section 5.1 shall be allocated based on the estimated percentage of work completed for each of the following tasks:**

Alternatives Development and Evaluation .....	\$29,327	53%
Basis of Design Report.....	\$22,943	42%
Permitting Services.....	\$3,011	5%
Total .....	\$55,281	100%

- 5.3 Additional services of the Consultant as described in Section 2.8, if any, shall be compensated as follows:

See EXHIBIT "B" Hourly Rates of the Continuing Services Agreement.

- 5.4 Reimbursable Expenses as defined in Section 6 shall be reimbursed to the Consultant by the City as provided in Section 6.
- 5.5 If the scope of the Consultant's services are changed materially through no fault of the Consultant, compensation due to the Consultant shall be equitably adjusted, either upward or downward.

## **SECTION 6 BILLING AND PAYMENTS TO CONSULTANT**

- 6.1 Billing by the Consultant shall be in accordance with EXHIBIT "E" of the Continuing Services Agreement. Payments to the Consultant shall also be in accordance with EXHIBIT "E" of the Continuing Services Agreement and EXHIBIT "2" of this Agreement.
- 6.2 REIMBURSABLE EXPENSES - NOT USED

## **SECTION 7 TERM**

- 7.1 This Agreement shall commence on the date this instrument is fully executed by all parties and shall continue in full force and effect for **270 days**, unless otherwise terminated pursuant to Section 8.1 or 8.2, or other applicable sections of this Agreement. The City's City Manager, in his sole discretion, may extend the term of this Project Agreement through written notification to the Consultant. Such extension shall not exceed one-hundred eighty (180) days. No further extensions of this Agreement shall be effective unless authorized by City code or City Commission action.

## **SECTION 8 TERMINATION**

### 8.1 TERMINATION FOR CAUSE

- 8.1.1 This Agreement may be terminated by either party upon seven (7) days' written notice to the other should such other party fail substantially to perform in accordance with its material terms through no fault of the party initiating the termination. In the event of a termination for cause, the Consultant shall be entitled to receive compensation for any work completed pursuant to the Agreement to the satisfaction of the City through the date of termination, less any amounts which the City reasonably deems necessary to withhold in order to correct any defects or deficiencies in the work performed by the Consultant. In no event shall the City pay for profit or overhead on work not performed.

### 8.2 TERMINATION FOR CONVENIENCE

- 8.2.1 This Agreement may be terminated by the City without cause upon ten (10) days' written notice to the Consultant. In the event of such a termination without cause, the Consultant shall be compensated for all services completed pursuant to this Agreement to the satisfaction of the City up to and through the date of termination, together with Reimbursable Expenses incurred. In such event, the Consultant shall promptly submit to the City its invoice for final payment and reimbursement which invoice shall comply with the provisions of Section 2.5 of EXHIBIT "E" of the Continuing Services Agreement.

8.2.2 Under no circumstances shall the City make payment of profit or overhead for work that has not been performed. Additionally, the City shall not make payment for the following items:

8.2.2.1 Anticipated profits or fees to be earned on completed portions of the work;

8.2.2.2 Consequential damages;

8.2.2.3 Costs incurred in respect to materials, equipment or services purchased or work done in excess of reasonable quantitative requirements of this Agreement;

8.2.2.4 Expenses of Consultant due to the failure of Consultant or its subconsultants to discontinue the work with reasonable promptness after notice of termination has been given to the Consultant; and

8.2.2.5 Losses upon other contracts or from sales or exchanges of capital assets or Internal Revenue Code Section 1231 assets.

8.2.2.6 Damage or loss caused by delay.

8.3 Assignment Upon Termination. Upon termination of this Agreement, the work product of the Consultant shall become the property of the City and the Consultant shall within ten (10) working days of receipt of written direction from the City, transfer to either the City or its authorized designee, all work product in its possession, including but not limited to, designs, specifications, drawings, studies, reports and all other documents and data in the possession of the Consultant pertaining to this Agreement. Upon the City's request, the Consultant shall additionally assign its rights, title and interest under any subcontractor's agreements to the City. All work product provided under this Section shall be used solely for its intended purpose.

## **SECTION 9 SEVERABILITY**

9.1 If any term or provision of this Agreement or its application thereof to any person or circumstance shall, to any extent, be held invalid or unenforceable, the remainder of this Agreement or the application of such terms or provisions to persons or circumstances other than those to which it is held invalid or unenforceable, shall not be affected, and every other term and provision of this Agreement shall be deemed valid and enforceable to the extent permitted by law.

[REMAINDER OF PAGE LEFT INTENTIONALLY BLANK]

**IN WITNESS WHEREOF**, the parties hereto have made and executed this Agreement on the respective dates under each signature: the City, signing by and through its Mayor, attested to by its City Clerk, duly authorized to execute same and by Carollo Engineers, Inc., signing by and through its Sr. Vice President, duly authorized to execute same.

**CITY**

**CITY OF SUNRISE, FLORIDA**

By: \_\_\_\_\_  
Mayor Michael J. Ryan

\_\_\_\_\_ day of \_\_\_\_\_, 2023.

AUTHENTICATION:

\_\_\_\_\_  
City Clerk

(SEAL)

Approved as to form for the City:

By: \_\_\_\_\_  
Kimberly A. Kisslan  
City Attorney



**CONSULTANT**

CAROLLO ENGINEERS, INC.

BY: \_\_\_\_\_  
Lyle Munce, P.E. / Chris T. Reinbold, P.E.

TITLE: Sr. Vice President / Vice President  
\_\_\_\_ day of \_\_\_\_\_, 2023.

AUTHENTICATE:

Secretary

Michael W. Barnes  
Please type name

(CORPORATE SEAL)

WITNESSES:

\_\_\_\_\_

\_\_\_\_\_

## **EXHIBIT "1"**

### **SCOPE OF SERVICES**

#### **PROJECT DESCRIPTION**

At the Sawgrass Water Treatment (WTP), treated water from the membrane softening and ion exchange system is delivered to two chlorine contact basins via a common influent channel. Influent pipes deliver the treated water from the influent channel to each contact basin. The contact basins provide disinfection contact time and convey the finished water through effluent pipes to a common effluent channel. This effluent channel serves as a clearwell to the transfer pumps, where the transfer pumps deliver water to the ground storage tanks and then on to the high service pumping system.

The disinfection contact basins can be isolated and taken out of service by closing butterfly valves on the influent and effluent piping for each basin. However, the common influent channel, effluent channel, and transfer pump clearwell cannot be isolated and taken out of service without taking the entire WTP out of service. The CITY desires a means to perform maintenance and inspection on the common channels and transfer pump clearwell, such as structural repairs and recoating of the structures which are long term maintenance and durability items.

The CONSULTANT will develop and evaluate conceptual alternatives to bypass the contact basins/clearwell or modify the existing structures/piping to enable specific portions of the channels and clearwell to be isolated and taken out of service for maintenance while maintaining the WTP in service. The following tasks will be undertaken as part of the alternative development and evaluation:

#### **TASK 1 – ALTERNATIVE DEVELOPMENT AND EVALUATION**

The CONSULTANT shall develop alternatives to bypass the contact basins/clearwell or modify the existing structures/piping to enable isolation of specific portions of the channels and clearwell to allow maintenance and/or inspection to be performed while keeping the WTP in service. The CONSULTANT shall attend one meeting with the City to discuss and define the operational requirements during bypass operations and construction. The City will provide the following information:

- Minimum flows required during bypass operations
- Maximum shutdown duration during construction

The CONSULTANT shall develop and evaluate up to three alternatives. One alternative will include a method for bypassing the contact basins/clearwell with temporary pumping since this will be required for construction of any modifications to the existing structures and piping in order to maintain the WTP in service. The CONSULTANT will develop a Technical Memorandum (TM) to document the conceptual alternatives development and evaluation. The TM will include a summary of the scope of work for each alternative, conceptual design figures, a table summarizing advantages and disadvantages, and an ASCE Class 5 Engineer's Opinion of Probable Construction Cost (OPCC).

The CONSULTANT shall submit a Draft TM to the CITY for review. One review meeting will be held with the CITY to review and discuss the alternatives and the CITY's comments on the Draft TM. At the review meeting, the CITY will select one alternative for basis of design development.

## **EXHIBIT "1"**

The CONSULTANT shall update the Draft TM to address the CITY's comments and submit a Final TM.

### ***Deliverables***

- Meeting Minutes (PDF)
- Alternatives Technical Memorandum Draft (PDF, native files, 4 hard copies)
- Alternatives Technical Memorandum Final (PDF, native files, 4 hard copies)

## **TASK 2 – BASIS OF DESIGN REPORT**

The CONSULTANT shall develop a Basis of Design Report (BODR) for the selected alternative that will define the project components and design criteria that will serve as the basis for subsequent future detailed design. The CONSULTANT shall review the Underwater Solutions clearwell report and video to evaluate the condition of the clearwell and determine the necessary repairs. The CONSULTANT will identify the types of repairs needed and develop design criteria for the repairs. The OPCC from Task 1 will be updated to include the repairs and the developed design criteria. The BODR will include the pertinent information required by Florida Administrative Code (FAC) 62-555 Part V, as appropriate for this limited effort.

The CONSULTANT shall submit a Draft BODR to the CITY for review. One review meeting will be held with the CITY to review and discuss the CITY's comments on the Draft BODR. The CONSULTANT shall update the Draft BODR to address the CITY's comments and submit a Final BODR.

### ***Deliverables***

- Draft BODR (PDF, native files, 4 hard copies)
- Meeting Minutes (PDF)
- Final BODR (PDF, native files, 4 hard copies)

## **TASK 3 – PERMITTING SERVICES**

The CONSULTANT shall assist the CITY in obtaining FDEP permitting approval for the selected alternative. The following permit services will be provided:

- Complete FDEP Form 62-555.900(1) "Application for a Specific Permit to Construct PWS Components" permit application. Coordinate with the CITY in obtaining information and required signatures required to complete the application.
- Submit completed permit application with signed and sealed Final BODR and application fee to FDEP.
- Develop and assemble responses and supplemental information to Requests for Additional Information (RAI) received from FDEP and submit information to FDEP.
- Up to two meetings with FDEP to discuss the project and RAIs.

### ***Deliverables***

- Signed and sealed permit application package (PDF)
- Responses and supplemental information to RAIs (PDF)

## **ASSUMPTIONS**

## EXHIBIT "1"

1. The CITY shall be responsible for FDEP permitting application fees.
2. The services to be performed by the CONSULTANT are intended solely for the benefit of the CITY. No person or entity not a signatory to this Agreement shall be entitled to rely on the CONSULTANT's performance of its services hereunder, and no right to assert a claim against the CONSULTANT by assignment of indemnity rights or otherwise shall accrue to a third party as a result of this Agreement or the performance of the CONSULTANT's services hereunder.
3. CITY will review the Draft BODR and provide comments within 2 weeks of receipt of submittal. The Draft BODR review meeting will be held within the 2 week review period.
4. Services not included:
  - Services related to structural inspection and condition assessment of the existing channels/basins/clearwell to assess the existing condition, including non-destructive testing or destructive testing. The Underwater Solutions clearwell report and video will be utilized as the basis for determining required repairs and design criteria.
  - Services pertaining to survey and subsurface utility engineering.
  - Services pertaining to geotechnical evaluations.

**EXHIBIT "2"**

**PROJECT SCHEDULE**

Task Completion in Days	
<u>Task / Description</u>	<u>Following Authorization</u>
Task 1 - Alternative Development and Evaluation .....	56
Task 2 - Basis of Design Report.....	112
Task 3 - Permitting Services .....	168