

# **EXHIBIT A (1)**

## **Scope of Work**

The original scope of work assumed that Electrical Distribution Building 2 (EDB 2) would only provide electrical service for the new loads associated with the expansion to the reclaimed water system and for future expansion to the North Regional Wastewater Treatment Plant (NRWWTP). During preliminary design, Broward County Water and Wastewater Services (BCWWS) expanded the scope of EDB 2 to not only provide electrical service for the new loads, but to also share electrical loads with the existing EDB 1. In addition, EDB 2 will now be fed by two separate Florida Power and Light (FP&L) feeders. By expanding the scope of EDB 2 as described, the constructability of this expansion became much more complicated, and it forced many construction activities to be executed in a sequential fashion instead of in a concurrent fashion due to switching over process areas from the existing electrical service to the future one.

Additionally, the construction documents include three separate commissioning phases, which provide limitations on the Contractor of not beginning new phases of work until the previous phases are completed.

As stated previously, the revised schedule adds 12 months of active construction. The following is a summary of activities affected by the 12-month increase in the active construction phase.

### **Phase III – Engineering Services During Construction**

#### **3.1 Construction Administration Services**

The level of effort for construction administration services will increase, as this is a time-based activity.

##### **3.1.1 Pre-Construction Meeting**

No change.

##### **3.1.2 Construction Meetings**

There will be an additional 12 meetings added to the project (monthly for 12 months).

##### **3.1.3 Interpretations and Requests for Information**

No change.

##### **3.1.4 Examination of the Schedule of Values**

No change.

##### **3.1.5 Examination of Construction Schedules**

No change.

##### **3.1.6 Approval of Request for Payment**

The level of effort for review and approval of requests for payment will increase, as monthly payments are a time-based activity.

##### **3.1.7 Shop Drawings and Submittals**

No change.

##### **3.1.8 Change Orders**

No change.

### **3.2 Resident Project Representative (RPR) Services**

#### **3.2.1 Track Progress of Construction Schedule**

The level of effort for monitoring the construction schedule will increase, as tracking progress is a time-based activity.

#### **3.2.2 Shop Drawing Coordination**

No change.

#### **3.2.3 Inspection of Construction Activities**

Inspection activities will increase, as this is a time-based activity.

#### **3.2.4 Engineer-of-Record Site Visits**

Site visits will increase, as this is a time-based activity.

#### **3.2.5 Construction Activities Record Keeping**

The level of effort for this task will increase, as this is a time-based activity.

#### **3.2.6 Coordination with Design Disciplines**

No change.

#### **3.2.7 Electrical Inspections**

The CONSULTANT shall provide Electrical Inspections throughout the project's execution. The Electrical Inspector shall record in writing, and immediately report to the CONSULTANT and the COUNTY, any defective, deficient, faulty or unsatisfactory electrical work performed by the CONTRACTOR. The Electrical Inspector shall witness and verify all tests associated with the electrical work required by the Contract Documents, as well as the operation of any and all equipment and systems associated with the electrical work installed by the CONTRACTOR. The Electrical Inspector shall maintain detailed records relating to any such tests. The Electrical Inspector shall accompany any visiting inspectors or representatives of the COUNTY when requested by the CONSULTANT or the COUNTY. The Electrical Inspector shall immediately notify the CONSULTANT in writing in the event any clarifications or interpretations of the Contract Documents are required or requested by the CONTRACTOR.

### **3.3 Project Closeout**

#### **3.3.1 Start-Up**

No change.

#### **3.3.2 Punch List Inspections**

No change.

#### **3.3.3 Substantial Completion and Final Completion**

No change.

**3.3.4 Final Pay Request Review**

No change.

**3.3.5 Cataloging of Construction Files**

The level of effort for this task will increase, as this is a time-based activity.

**3.3.6 Operation and Maintenance Manuals**

No change.

**3.3.7 Record Drawings**

No change.

**3.3.8 Certification of Clearance**

No change.

**Project Name :** North Regional Wastewater Treatment Plant - RECLAIM Expansion  
**County Project Number :** 9186-100904  
**Prepared by :** Steven Doyle, PE., Construction Project Manager Supervisor  
**Updated :** 9/11/2020

**SUMMARY OF AMENDMENT NO. 2**

Contractor	Description.		Days
Poole & Kent (P&K)	Bid Opening :	3/27/2018	
	NTP #1 :	6/13/2018	934 Days
	NTP #2 :	12/7/2018	0 Days
	Change Orders to Date :	- - -	19 Days
		<b>Total Contract Days :</b>	<b>953 Days</b>
		<b>Final Completion Date :</b>	<b>7/17/2021</b>
		Original P&K Contract Amount :	\$ 53,204,000.00
		Total CO Amount to Date :	\$ 422,626.47
		Total Contract Amount to Date :	\$ 53,626,626.47
		<b>CO Percentage (%) to Date :</b>	<b>0.8%</b>

Consultant	Prime / Subconsultant	CBE / Non-CBE	Request Value (\$) this Amendment	Percentage of This Request
Brown & Caldwell	Prime Consultant	Non-CBE	\$ 710,763.70	52.7%
Hazen & Sawyer	Sub consult.	Non-CBE	\$ -	0.0%
Cartaya & Assoc.	Sub consult.	CBE	\$ 39,907.84	3.0%
Cordova Rodriguez & Assoc.	Sub consult.	CBE	\$ 45,008.88	3.3%
Keith and Associates	Sub consult.	CBE	\$ 132,648.75	9.8%
McCafferty Brinson	Sub consult.	CBE	\$ 12,205.50	0.9%
Metco Svcs. SE	Sub consult.	CBE	\$ 26,991.92	2.0%
Tierra S. Fl.	Sub consult.	CBE	\$ -	0.0%
Hillers Electrical Engineering, Inc. (Instrumentation & Control)	Sub consult.	CBE	\$ 90,536.54	6.7%
Hillers Electrical Engineering, Inc. (Electrical Inspection & Commissioning)	Sub consult.	CBE	\$ 289,986.62	21.5%
		<b>Total Request this Amendment :</b>	<b>\$ 1,348,049.75</b>	100.0%
		Original B&C Contract Amount :	\$ 8,135,626.80	
		Total B&C Contract thru this Amendment :	\$ 9,483,676.55	
		<b>Total Contract Amount as a Percentage of Construction :</b>	<b>17.8%</b>	