



**MOCK • ROOS**

CONSULTING ENGINEERS

February 3, 2022

Mr. Dean Mealy  
Purchasing Manager  
P.O. Box 2029  
Palm Beach, FL 33480-2029

Ref. No. B9035.00  
Subject: D-8 Stormwater Pump Station Rehabilitation

Dear Dean:

We are submitting the attached revised *Proposal to Provide Professional Engineering Services for the D-8 Stormwater Pump Station Rehabilitation Project*. Please review the attached proposal and return one signed copy to our office as our authorization to proceed with the Scope of Services outlined in the proposal.

We will provide the Scope of Services on an hourly basis, plus reimbursable expenses. We anticipate the total fee to provide the Scope of Services will be \$8,898.00.

If you have any questions, please contact me at 683-3113, extension 293. Thank you for using Mock•Roos on this project. We look forward to working with you.

Sincerely,

MOCK, ROOS & ASSOCIATES, INC.

Garry G. Gruber, P.E.  
Senior Vice President

GGG:tsm

Copies: Bookkeeping

## **Proposal to Provide Professional Engineering Services for the D-8 Stormwater Pump Station Rehabilitation Project**

**Services to be provided by:** Mock•Roos

**Services provided to (Town):** Town of Palm Beach

**Proposal Date:** February 3, 2022

### **Proposal Terms**

#### **A. Project Understanding:**

The Town is planning to move forward with the necessary improvements to its D-8 Stormwater Pump Station identified in the Town's December 2015 Stormwater Pump Station Assessment Report. In addition to the recommendations in the report, the Town has requested that Mock•Roos design landscape improvements around the pump station, modify the duty pump access hatch based on existing conduit routing in the adjacent slab, reduce the scope based on staff level approval (reduced ARCOM), and perform upgrades to the exiting electrical system as outlined in **B. Scope of Services** below.

Mock•Roos will provide services as outlined in **B. Scope of Services** below.

#### **B. Scope of Services:**

1. Attend an onsite project kick-off meeting with the Town and design team.
2. Provide the Services of a Landscaping Subconsultant to assist with perform the following scope of services:
  - a. Prepare landscape bid documents in compliance with the Town of Palm Beach Code.
    - i. Planting plans will delineate plant material, plant quantities, plant schedules, specifications, and project-specific planting details as required.
    - ii. Opinion of Probable Construction Cost.
  - b. Submit plans and specifications for review at the 100% completion stage, meet with the Town to review their comments, and accommodate one round of reasonable requests for revisions by the Town after each review.
3. Provide the Services of a Structural Engineering Subconsultant to assist with performing the following scope of services for plan revisions due to conflicts with existing conduits:
  - a. Visit the site to review possible expansion of the existing wetwell top slab duty pump access opening due to existing conduit routes within the concrete floor.
  - b. Update our structural design to accommodate the dimensional changes of the wetwell top slab duty pump access opening
  - c. Revise the following plan sheets for the wetwell top slab duty pump access opening.
    - i. Sheet S1-2 Wetwell Bay Demolition Plan El. 3.5'
    - ii. Sheet S1-3 Wetwell Bay Plan El. 3.5'
    - iii. Sheet S1-4 Wetwell Bay Floor Plan

- iv. Sheet S1-5 Wetwell Bay Plan El. 17.1'
    - v. Sheet S3-1 Wetwell Bay Demolition Sections
    - vi. Sheet S3-2 Wetwell Bay Sections
    - vii. Sheet S5-1 Structural Details 1
  - d. Update the opinion of probable construction cost.
  - e. Submit updated plans and specifications for review at 100% completion stage, meet with the Town to review their comments, and accommodate one (1) round of reasonable requests for revisions by the Town after each review
4. Provide the services of a Structural Engineering Subconsultant to assist with performing the following scope of services associated with the reduced ARCOM scope of work.
  - a. The original scope of services included ARCOM Assistance for the project which included the items listed below. It is understood that the project will not require ARCOM approval and will only require a staff level approval. It is understood that the completion of building elevations will still be required for the staff level approval process. The other items listed below are not required.
    - i. Providing floor plans and elevations to Mock•Roos for the application package.
    - ii. Attendance at the ARCOM review meeting and application preparation.
    - iii. Complete two rounds of revisions to the plans as a result of the review process.
5. Provide the Services of an Electrical Engineering Subconsultant to assist with perform the following scope of services:
  - a. Provide Electrical Engineering Design to replace the existing 600A 3 phase metered service to D-8 pump station with a 1600A service to allow for the full ampacity to run all the pump loads without tripping the main disconnect. Service entrance rated ATS. This would meet the requirements of shutting down the pump station service from outside without a new more expensive 1600Amp outdoor rated switchgear cabinet.
  - b. Coordinate with FPL to reuse existing transformer and allow to reuse existing 1600A underground parallel service 600Kcmil feeder.
  - c. Reuse existing portion of conduit and parallel cables to keep costs down. Provide 3M waterproof splices and extend parallel wires with new 600Kcmil feeder as required.
  - d. Electrical service design for controller or pump station for irrigation if needed.
6. Reduce the scope of services for the Architectural Subconsultant since it is understood that the project will not require ARCOM approval and will only require a staff level approval.

**C. Additional Services:**

1. Any services not included in the Scope of Services will be considered Additional Services. Based on the current scope of services the following items have not been included:
  - no survey is anticipated to be required
  - easement research and acquisition will not be required
  - no evaluation of the existing drainage basin or the operation of the existing drainage system is anticipated to be required
  - potable water connection for generator cooling

- design revisions to accommodate raising improvements to two (2) feet above the 100-yr flood elevation for grant coordination.
- 2. Town to coordinate and obtain easements for existing pump station and proposed improvements.
- 3. Any design changes, schedule changes, drawing changes, or other project changes requested by Client will be considered Additional Services.
- 4. Additional Services can be provided upon Mock•Roos receiving signed authorization from Client.

**D. Assumptions:**

1. It is assumed that the plans to be provided will be for the purposes of maintaining the existing structural elements. The scope in this task does not include a load analysis, structural analysis, or certification that the structure meets any current design codes.
2. Town to coordinate with residents and project stake holders, on increased generator noise associated with an air-cooled radiator system.
3. It is anticipated that the project will require staff level approval and not a formal ARCOM approval.

**E. Fees and Rates:**

1. Mock•Roos will complete these services on an hourly basis at Mock•Roos' hourly rates, plus reimbursable expenses.
2. The total fee to provide the Scope of Services is anticipated to be \$8,890.00.
3. Mock•Roos will not provide services in excess of the anticipated fee without signed authorization from Client.
4. Mock•Roos can provide Additional Services at the Mock•Roos rates in effect at that time, plus reimbursable expenses or for an agreed upon lump sum fee.

**E. Conditions:**

1. All terms become valid upon Mock•Roos receiving one complete copy of this proposal within 30 days of its date.
2. In case of discrepancies, the terms of this proposal supersede those of previous agreements.



**F. Acceptance and Authorization to Proceed:**

1. This proposal is acceptable and Mock•Roos has authorization to proceed with the Scope of Services. This authorization becomes valid upon Mock•Roos receiving a Purchase Order for these services.

MOCK•ROOS

Signed: \_\_\_\_\_



Name: Garry G. Gruber, P.E.

Title: Senior Vice President

Date: February 3, 2022