



June 27, 2022

Mr. Dean Mealy
Town of Palm Beach
951 Old Okeechobee Road
Suite A
West Palm Beach, FL 33401

RE: *A-39 Wastewater Pump Station Improvements*

Dear Dean,

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "CONSULTANT") is pleased to submit this proposal to The Town of Palm Beach ("TOWN" or "CLIENT") for providing professional engineering services related to mechanical, structural, and electrical improvements to the A-39 Wastewater Pump Station in the Town of Palm Beach. Our project understanding, scope of services, and fee follows.

Project Understanding

It is understood that the Town is interested making improvements to the A-39 Wastewater Pump Station in order to increase operational reliability. Items that will be addressed have been identified in the Town of Palm Beach Wastewater Pump Station Condition Assessment prepared by Mock-Roos Consulting Engineers with additional items that were identified during a recent site visit with Town staff. The improvements are anticipated to require a FDEP permit and a Town of Palm Beach Building permit. Below are the improvements included for the station.

- Replace pumps 1 and 2
- Replace suction piping and discharge piping through the header pipe on pumps 1 and 2
- Replace drywell and wetwell ventilation system
- Install exhaust fan to ventilate electrical room
- Abandon the valve vault on the west side of the pump station building
- Replace pump station forcemain piping up to the existing gate valve in the valve vault
- Install hoist beam for pump maintenance in drywell
- Replace fixtures in bathroom
- Replace all interior and exterior doors
- Replace all windows and louvers
- Replace masonry blocks and mesh screens with louvers
- Replace roof
- Make structural concrete repairs to concrete spalls at east side of building at the door and louver, area around the grated opening to the drywell, and drywell
- Replace power supply to pumps 1 and 2
- Replace power supply to drywell and wetwell blowers
- Replace lighting in wetwell with brighter lighting
- Replace pump controls and panels. Consolidate controls into one panel

Scope of Services

Task 1 – Design Phase Services

We will attend a kickoff meeting with the Town to discuss the project goals. We will visit the site 3 times to support the design services. Kimley-Horn will perform design services to prepare construction plans and specifications for the wastewater pump station improvements suitable for construction and submittal to the Palm Beach County Health Department and the Town's Building Department containing the following information:

1. Cover Sheet
2. A-39 Site Plan
3. A-39 Demolition Plan
4. A-39 First Floor Plan
5. A-39 Drywell and Wetwell Plan
6. A-39 Drywell and Wetwell Sections and Details
7. A-39 Roof Plan
8. A-39 Structural Concrete Repair Photo Details
9. A-39 Construction Details 1
10. A-39 Construction Details 2
11. A-39 Electrical Plans and Details
12. Technical Specifications

Electrical plans and specifications will be prepared by a subconsultant employed by Kimley-Horn. Kimley-Horn will prepare general civil, mechanical, and structural plans and technical specifications. The site plans will be developed using the existing record drawings and field measurements. If it is determined that a survey is required during the permit approval process, we can provide this as an additional service.

We will submit plans and specifications for review at 60% and 90% completion stages, meet with the Town to review their comments, and accommodate one round of reasonable requests for revisions by the Town after each review. We will provide an opinion of probable construction cost at the 90% design stage and update this document with the final design submittal.

Task 2 – Permitting Assistance

Kimley-Horn will prepare and submit the appropriate Florida Department of Environmental Protection (FDEP) permit application with supporting documentation, reports, and computations for the Owner's signature and subsequent transmittal to the City of West Palm Beach and the Palm Beach County Health Department. We will respond to one (1) reasonable request for additional information (RAI) from the Health Department. The \$500 application fee is included within this task.

Task 3 – Bid Phase Services

Kimley-Horn will attend the pre-bid meeting, review the bid proposal from the apparent low bidder, and prepare a bid tabulation and memorandum to the Town containing our findings after our review of the bids. We will also assist the Town with responding to questions received from prospective bidders, if required. We will provide up to 5 signed and sealed copies of the construction documents for the Town to distribute to the selected contractor for permitting. We will respond to one round of reasonable comments from the building department after submittal by the Town/Contractor, if

required. We will provide an "Issued for Construction" set of construction documents incorporating permit comments and any revisions that occurred during the bid advertisement.

Additional Services

Any services not specifically provided for in the above scope, as well as any changes in the scope you request, will be considered additional services. These services will be performed based on proposals approved by the Town prior to the performance of those requested additional services. Additional services we can provide include, but are not limited to, the following:

- Surveying and Mapping, Construction Layout
- Record Drawing data collection and development
- Field Engineering
- Off-site improvements
- Construction Phase Services

Information Provided by the Town

We shall be entitled to rely upon the accuracy of information provided by others in the performance of professional services. It is anticipated that the following items will need to be provided to Kimley-Horn by the Town during the project.

- Access to the site
- Available record drawings and data

Schedule

We will provide our services as expeditiously as practical to meet a mutually agreed upon schedule. It is understood these improvements are desired to be constructed in the summer of 2023.

Fee and Billing

Kimley-Horn will perform the services described in this Scope of Services on an hourly basis in accordance with our Contract with the Town. It is recommended that the following budgets be established for these services:

Task 1 – Design Phase Services	\$105,900
Task 2 – Permitting Services	\$6,000
Task 3 – Bid Phase Services	\$7,500
Total	\$119,400

Closure

In addition to the matters set forth herein, our Agreement shall include and be subject to, and only to, the terms and conditions in the Professional Services Agreement between the Town of Palm Beach and Kimley-Horn and Associates, Inc, which are incorporated by reference. As used in the Agreement, the term "CONSULTANT" shall refer to Kimley-Horn and Associates, Inc., and the term "TOWN" or "CLIENT" shall refer to The Town of Palm Beach.

We appreciate the opportunity to propose these services to you.

Very truly yours,

KIMLEY-HORN AND ASSOCIATES, INC.

A handwritten signature in blue ink, appearing to read 'KS' or 'K. Schanen', is positioned above the typed name.

By: Kevin Schanen, P.E.
Sr. Vice President

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ESTIMATE FOR ENGINEERING SERVICES

PROJECT:	A-39 Wastewater Pump Station Improvements						SHEET 1 of 1					
CLIENT:	Town of Palm Beach						FILE NO.					
ESTIMATOR:	DAC						DATE: 06/27/22					
							ALLOCA 0.0000					
DESCRIPTION: See Scope of Services							DIRECT LABOR (MAN-HOURS)					
	Principal	Chief Engineer	Senior Engineer	Senior Prof. Eng.	Eng. Prof.	Eng. Int.	Analyst	Admin/Clerical	Senior Designer	SUB	EXP	LINE TOTAL
Design Phase Services												
Kickoff Meeting			3.0			3.5						\$1,058
Site Visit (3)			10.0		10.0	10.0		1.0				\$4,926
Wetwell, Drywell, & Electrical Room Ventilation Design			6.0		10.0	12.0						\$4,228
Building Structural Review & Repair Design	5.0		6.0		18.0	24.0						\$8,307
Hydraulic Analysis & Pump Selection			8.0		14.0	16.0						\$5,738
Drywell Hoist Beam Structural Design & Layout			6.0		16.0	24.0						\$6,575
Door & Window Replacement Design			2.0		4.0	4.0						\$1,510
Develop Construction Phasing Plan			2.0		2.0							\$728
Electrical Design										\$20,700		\$20,700
Construction Plans												
Cover Sheet						2.0						\$240
A-39 Site Plan			3.0		8.0	10.0						\$3,048
A-39 Demolition Plans			3.0		6.0	8.0						\$2,505
A-39 First Floor Plan	1.0		3.0		14.0	18.0						\$5,201
A-39 Drywell & Wetwell Plan	1.0		3.0		14.0	18.0						\$5,201
A-39 Drywell & Wetwell Sections	2.0		3.0		14.0	18.0						\$5,487
A-39 Roof Plan	1.0		3.0		10.0	12.0						\$3,876
A-39 Structural Concrete Repair Photo Details			3.0		5.0	6.0						\$2,114
A-39 Construction Details 1			3.0		10.0	12.0						\$3,590
A-39 Construction Details 2			3.0		10.0	12.0						\$3,590
A-39 Electrical Plans			6.0		8.0	4.0		4.0				\$3,316
Technical Specifications			4.0		10.0	14.0		4.0				\$4,392
OPC			4.0		6.0	14.0						\$3,437
60% & 90% Review Meetings and Submittals			4.0		6.0	8.0		4.0				\$3,068
Respond to Review Meeting Comments/Produce Bid Set Plans			4.0		6.0	8.0		4.0			\$0	\$3,068
Permitting Assistance												
Prepare Permit Application			3.0		2.0	5.0		1.0				\$1,628
Prepare Supporting Documentation			2.0		2.0	5.0		2.0				\$1,502
Permit Application Fee								0.5			\$500	\$544
Submit to TOPB/City of WPB						2.0		2.0				\$415
Submit to PBCHD						2.0		2.0				\$415
Respond to Health Dept. Comments			2.0		3.0	3.0		2.0			\$83	\$1,497
Bid Phase Services												
Prepare Documents					2.0	2.0		2.0				\$717
Attend Pre-Bid Meeting, attend field visits, prepare minutes			3.0		3.0	3.0		1.0				\$1,539
Respond to Contractor RFIs			3.0		5.0	2.0		1.0				\$1,722
Review Bids and prepare summary memorandum			3.0		3.0	2.0		2.0				\$1,507
Respond to TOPB Building Dept. Comments			3.0		5.0	3.0		2.0			\$86	\$2,015
TOTAL HOURS	10.0	0.0	111.0	0.0	226.0	286.5	0.0	34.5	0.0	20700	\$669.28	\$119,400
LABOR (\$/HOUR)	\$285.90	\$266.26	\$212.60	\$184.35	\$151.32	\$119.92	\$107.97	\$87.47	\$152.84	1.00	1.0	
ALLOCATION	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	0.00	
TOTALS	\$2,859	\$0	\$23,599	\$0	\$34,198	\$34,357	\$0	\$3,018	\$0	\$20,700	\$669	\$119,400