



October 30, 2019

Patricia Strayer, P.E.
Town of Palm Beach
951 Old Okeechobee Road
Suite A
West Palm Beach, FL 33401

RE: *Stormwater Pump Station Improvements at D-12 Pump Station*

Dear Patricia,

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 and electrical improvements to the D-12 Stormwater 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 D-12 Stormwater Pump Station in order to increase operational reliability. Items that will be addressed have been identified in the Town of Palm Beach Stormwater Pump Station Condition Assessment prepared by Mock-Roos Consulting Engineers with additions that were identified during a recent site visit with Town staff. The improvements are not anticipated to require a modification to the SFWMD permit as the modifications will not change the capacity of the station, however it is anticipated that a Town of Palm Beach building permit will be required for the replacements. Below are the improvements recommended for the station.

- Replace the wetwell access plates with H-20 aluminum hatches
- Replace the check valves with flap gates
- Replace the existing Type H precast vaults with larger precast vaults to accommodate a flap gate
- Replace door hardware in NW corner of mechanical room
- Replace heat exchangers and cooling piping within mechanical room
- Replace the roof

Scope of Services

Task 1 – Design Phase Services

We will attend a kick off meeting with the Town to discuss the project goals. We will visit the site to support the design services. Kimley-Horn will perform design services to prepare construction plans and specifications for the stormwater pump station improvements suitable for construction and submittal to the Town's Building Department containing the following information:

1. Cover Sheet
2. D-12 Wetwell Site Demolition Plan
3. D-12 Wetwell Site Plan

4. D-12 Wetwell and Inlet Section
5. D-12 Enlarged Hatch Replacement Plan and Details
6. D-12 Mechanical Building Site Plan
7. D-12 Mechanical Building Floor Plan
8. D-12 Mechanical Building Roof Plan
9. D-12 Cooling System Riser Diagram
10. D-12 Cooling System Section and Details
11. D-12 Construction Details
12. Technical Specifications

Kimley-Horn will prepare general civil, mechanical, and structural technical specifications. There are no electrical improvements anticipated for this project. 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 – 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.

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
- Electrical Engineering
- 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 2021.

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	\$84,500
Task 2 – Bid Phase Services	\$ 7,500
Total	\$92,000

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.



By: Kevin Schanen, P.E.
Vice President

Attachment

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ESTIMATE FOR ENGINEERING SERVICES

PROJECT:	D-12 Stormwater Pump Station Improvements									SHEET 1 of 1			
CLIENT:	Town of Palm Beach									FILE NO.			
ESTIMATOR:	JRL									DATE: 10/29/19			
										ALLOCA 0.0000			
DESCRIPTION: See Scope of Services		DIRECT LABOR (MAN-HOURS)											
		Principal	Chief Engineer	Project Manager	Senior Reg. Prof	Eng. Prof.	Eng. Int.	Analyst	Admin/Clerical	Senior Designer	SUB	EXP	LINE TOTAL
													\$0
Design, Bid and Permit Phase Services													\$0
Kickoff Meeting				3.0			3.0		2.0				\$1,121
Site Visit (2)				6.0			6.0						\$1,892
Wetwell and Hatch Selections / Supplier Coordination		1.0		4.0			12.0		2.0				\$2,682
D-12 Top Slab Structural Design		2.0		8.0			16.0		2.0				\$4,229
Heat Exchanger Calcs		2.0		8.0			16.0						\$4,054
Cooling Piping Hydraulic Calcs		2.0		8.0			16.0						\$4,054
Heat Exchanger Selection		1.0		8.0			16.0		2.0				\$3,943
Precast Inlet Design		2.0		8.0			16.0		2.0				\$4,229
Develop Construction Phasing Plan		1.0		6.0			8.0		2.0				\$2,593
Construction Plans													\$0
Cover Sheet							1.0					\$2	\$122
D-12 Wetwell Site Demolition Plan				2.0			6.0						\$1,110
D-12 Wetwell Site Plan		1.0		6.0			16.0						\$3,377
D-12 Wetwell and Inlet Section		2.0		12.0			24.0						\$5,795
D-12 Enlarged Hatch and Replacement Plan and Details		2.0		6.0			16.0						\$3,663
D-12 Mechanical Building Site Plan		1.0		6.0			16.0						\$3,377
D-12 Mechanical Building Floor Plan		1.0		6.0			16.0						\$3,377
D-12 Mechanical Building Roof Plan		2.0		8.0			16.0						\$4,054
D-12 Cooling System Riser Diagram		2.0		12.0			24.0						\$5,795
D-12 Cooling System Section and Details		2.0		12.0			24.0						\$5,795
D-12 Construction Details		1.0		8.0			16.0						\$3,768
Technical Specifications		2.0		12.0			24.0		8.0				\$6,495
OPC				8.0			16.0		4.0				\$3,832
60 and 90 review meetings and submittals				4.0			12.0		4.0				\$2,571
Respond to comments and produce final plans				4.0			12.0		4.0				\$2,571
													\$0
Prepare Documents				2.0			8.0		2.0				\$1,525
Attend Pre-Bid Meeting, attend field visits, prepare minutes				2.0			4.0		1.0			\$96	\$1,054
Respond to Contractor RFIs				4.0			8.0		3.0				\$2,004
Review Bids and prepare summary memorandum				4.0			2.0		2.0				\$1,197
Respond to TOPB Building Permit Comments				3.0			8.0		2.0				\$1,721
													\$0
													\$0
													\$0
TOTAL HOURS		27.0	0.0	180.0	0.0	0.0	378.0	0.0	42.0	0.0	0	98	\$92,000.00
LABOR (\$/HOUR)		285.90	266.26	195.44	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		7,719.30	0.00	35,179.20	0.00	0.00	45,329.76	0.00	3,673.74	0.00	0.00	98.00	\$92,000.00