



October 30, 2019

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

RE: *Wastewater Pump Station Improvements at A-6 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 A-6 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-6 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 additions that were identified during a recent site visit with Town staff. The improvements are not anticipated to require a Health Dept. 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.

A-6 Wastewater Pump Station

- Replace generator
- Replace day tank
- Replace drywell, wetwell, and mechanical room ventilation system
- Replace ladder, grating and handrails within the wetwell
- Replace steel floor supports at wetwell ceiling
- Replace sanitary connection within wetwell from the docks
- Recoat wetwell
- Replace grating in mechanical room
- Replace roof
- Recoat catwalk and ships ladder in drywell
- Replace electrical service
- Replace MTS/ATS
- Replace panelboard and miscellaneous electrical equipment
- Replace the electrical control panel
- Replace transducer and floats in wetwell

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 wastewater pump station improvements suitable for construction and submittal to the Town's Building Department containing the following information:

1. Cover Sheet
2. A-6 Demolition Plan
3. A-6 Site Plan
4. A-6 Generator Enlarged Plan and Section
5. A-6 Mechanical First Floor Plan
6. A-6 Drywell and Wetwell Plan
7. A-6 Roof Plan
8. A-6 Drywell and Wetwell Sections and Details
9. A-6 Grating and Framing Details
10. A-6 Fuel Riser Diagram and Fuel Pipe Details
11. A-6 Wetwell Concrete Repair Details
12. A-6 Wetwell Rehabilitation Details
13. A-6 Construction Details
14. A-6 Electrical Plan and Details
15. 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 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 – 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
- 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	\$96,500
Task 2 – Bid Phase Services	\$ 7,500
Total	\$104,000

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.

A handwritten signature in blue ink, appearing to read 'KS', is positioned above the typed name of the signatory.

By: Kevin Schanen, P.E.
Vice President

Attachment

K:\WPB_Civil\General\Lee\Proposals\Palm Beach\A-6 Pump Station\A-6 Wastewater Pump Station Improvements.docx

ESTIMATE FOR ENGINEERING SERVICES

PROJECT:	A-6 Wastewater Pump Station Improvements										SHEET	1 of 1
CLIENT:	Town of Palm Beach										FILE NO.	
ESTIMATOR:	JRL										DATE:	10/29/19
											ALLOCA	0.0000
DESCRIPTION:	DIRECT LABOR (MAN-HOURS)											
See Scope of Services	Principal	Chief Engineer	Project Manager	Senior Reg. Prof	Eng. Prof.	Eng. Int.	Analyst	Admin/Clerical	Senior Designer	SUB (Hillers)	EXP	LINE TOTAL
												\$0
Design, Bid and Permit Phase Services												\$0
Kickoff Meeting			3.0			3.0						\$946
Site Visit (2)			6.0			6.0						\$1,892
Wetwell and Drywell Ventilation Calculations	0.5		6.0			12.0		2.0				\$2,930
Wetwell Structural Review	2.0		8.0			12.0		2.0				\$3,749
Fuel Piping Calcs			6.0			12.0		1.0				\$2,699
Day Tank Selection			6.0			12.0		1.0				\$2,699
Generator Foundation			6.0			12.0		2.0				\$2,787
Structural Checks on Misc Metals (floor support, ladders, railings, ect.)	2.0		12.0			16.0		2.0				\$5,011
Develop Construction Phasing Plan	1.0		6.0			4.0		2.0				\$2,113
Construction Plans												\$0
Cover Sheet						1.0						\$120
A-6 Demolition Plan			2.0			6.0						\$1,110
A-6 Site Plan	1.0		6.0			16.0						\$3,377
A-6 Generator Enlarged Plan and Section	1.0		12.0			24.0						\$5,509
A-6 Mechanical First Floor Plan	1.0		6.0			16.0						\$3,377
A-6 Drywell and Wetwell Plan	1.0		12.0			24.0						\$5,509
A-6 Roof Plan	1.0		3.0			16.0						\$2,791
A-6 Drywell and Wetwell Sections and Details	1.0		6.0			16.0						\$3,377
A-6 Grating and Framing Details	1.0		3.0			16.0						\$2,791
A-6 Fuel Riser Diagram and Fuel Pipe Details	1.0		3.0			16.0						\$2,791
A-6 Wetwell Concrete Repair Details	1.0		3.0			16.0						\$2,791
A-6 Wetwell Rehabilitation Details	1.0		3.0			8.0						\$1,832
A-6 Construction Details	1.0		6.0			16.0						\$3,377
A-6 Electrical Plan and Details			4.0			4.0			18500.00	\$4		\$19,765
Technical Specifications			8.0			16.0		8.0				\$4,182
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			\$96	\$1,621
Attend Pre-Bid Meeting, attend field visits, prepare minutes			2.0			4.0		1.0				\$958
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	16.5	0.0	167.0	0.0	0.0	370.0	0.0	42.0	0.0	18500	100	\$104,000.00
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	4,717.35	0.00	32,638.48	0.00	0.00	44,370.40	0.00	3,673.74	0.00	18,500.00	100.03	\$104,000.00