

December 14, 2023

City of Key West
1300 White St
Key West, Florida 33040

Attention: Kelly M. Crowe, Utilities Director

Reference: Dennis Street Pump Station Improvements – Phase 2

Dear Mr. Crowe,

We are pleased to present this proposal of professional services for your consideration. We look forward to the opportunity to continue to be of service to the City of Key West.

Description of Project

The City of Key West owns and maintains a recently completed Stormwater Pump Station at the intersection of Dennis Street and Venetia Street. The pump station was designed to collect and convey runoff from the Dennis Street and Bertha Street watersheds, via a pressurized force main, to an outfall structure at Key West High School- which discharges to a salt pond adjacent to the school.

The stormwater pump station consists of duplex 50 HP submersible pumps (1 duty -1 stdby) with a pretreatment/screening box upstream of the wetwell to protect the mechanical equipment. Each pump has an approximate capacity of 5,000 gpm at 22-ft of head. In our recent independent review of the pump station, we recommended that a third pump could be added to provide for low-flow or seepage maintenance conditions.

In addition to the proposed improvements to the pump station, the City proposes to make limited improvements in the collection/conveyance system north of the pump station, along Venetia Street. This older system is not watertight, at the end of its service life and allows the brackish groundwater to freely flow into the system and into pump station. Improvements will include open-cut replacement of the existing pipes with 18" diameter conveyance, as well as new catch basin and manhole structures.

Finally, the City proposes to regrade and reconstruct Bertha Street (from Venetia Street to Blanch Street) adding gutter or curb and gutters to convey stormwater runoff along this roadway to the intersection of Bertha and Venetia. The new roadway typical section will include a black base to allow for high groundwater conditions.

Task 1 - Preliminary Design Phase

- Prepare preliminary paving and drainage plans.
- Prepare preliminary pump stations improvement plans.



Task 2 – 50 % Design Phase

Based on the input resulting from Task 1, and from final direction by the City, Stantec will develop 50% design documents to include the following:

- Cover sheet, key sheet, general notes.
- Existing and proposed typical sectors.
- Paving, grading and drainage plans and profiles.
- Pump station modification plans – mechanical and electrical.
- Specifications outline.
- Construction Cost Estimate.

Task 3 – 100% Design Phase

Upon review and discussion with the City regarding the 50% plans, comments will be addressed, and the construction documents detailed above will be finalized and submitted to the City.

Task 4 – Bidding Phase

Attend pre-bid meeting (virtually) with potential contractors.

Assumptions:

1. Any required surveys and geotechnical testing will be contracted separately by the City.
2. City will provide CADD files for Phase 1 Improvements.
3. City will provide Phase 1 project technical specifications and front-end documents.
4. Design decisions will be documented in email format. No Design Memoranda or design reports will be produced as part of these services.

Schedule:

- Task 1 4 weeks from NTP
- Task 2 10 weeks after Task 1
- Task 3 6 weeks after Task 2
- Task 4 12 weeks after Task 3

Terms and Conditions:

All terms and conditions shall be per our Agreement for General Engineering Services (dated March 2023) and all fees shall be a lump sum fees as follows:

<u>Task</u>	<u>Pump Station</u>	<u>Roadway/Drainage</u>
Task 1 – Preliminary Design Phase	\$16,930	\$6,930
Task 2 – 50% Design Phase	\$ 43,490	\$35,150
Task 3 – 100% Design Phase	\$18,250	\$11,860
Task 4 – Bidding Phase	\$ 920	\$ 920
Total:	\$79,590	\$ 54,860

We are ready to begin working on this assignment upon your authorization to proceed. If acceptable to you, we will accept a signed copy of this form as your written authorization to proceed with the assignment.

Thank you,

Stantec Consulting Services Inc.



Ramon Castella
Vice President
Tel: 305-445-2900
Fax: 305-445-3366
ramon.castella@stantec.com

City of Key West

Approved by:

Signature

Print Name

Date

RR



FEE ESTIMATE - Dennis St. - Pump Station Improvements

WBS Code	Task Code	Task Name	Start Date	End Date	Units	Project Summary					Subs	Expense	Total
						Principal	Jr. Mechanical Project Engineer	Electrical Project Engineer	Mechanical Project Engineer	Project Assistant			
1	100	Preliminary Design	2024-01-31	2024-01-31	2.00								
1.1	130	Pump Station Improvement Plans	2024-01-01	2024-01-31	2.00								
1.2													
2	200	80% Design	2024-02-02	2024-03-31	2.00								
2.1	250	Get ideas for basic pump station	2024-02-02	2024-03-31	1.00								
2.2	250	Pump Station layout and electrical Plans - MAE	2024-02-02	2024-03-31	2.00								
2.3	250	Outline specifications	2024-02-02	2024-03-31	2.00								
2.4	250	Outline specifications	2024-02-02	2024-03-31	2.00								
2.5	270	Construction cost estimate	2024-02-02	2024-03-31	2.00								
3	300	100% Design	2024-04-01	2024-05-15	2.00								
3.1	301	Finalize plans and specifications	2024-04-01	2024-05-15	2.00								
3.2	303	Finalize cost estimate	2024-04-01	2024-05-15	2.00								
3.3													
4	400	Bidding Phase	2024-05-16	2024-05-16	2.00								
4.1	401	Pre-bid conference	2024-05-16	2024-05-16	2.00								
4.2													
4.3													

Task Type	Hours	Labour	Expense	Subs	Total
Time & Material	84.00	\$16,800.00	\$1,250.00	\$0.00	\$18,050.00
Time & Material	84.00	\$16,800.00	\$1,250.00	\$0.00	\$18,050.00
Time & Material	0.00	\$0.00	\$0.00	\$0.00	\$0.00
Time & Material	244.00	\$42,240.00	\$1,250.00	\$0.00	\$43,490.00
Time & Material	0.00	\$0.00	\$0.00	\$0.00	\$0.00
Time & Material	182.00	\$3,720.00	\$3,120.00	\$0.00	\$6,840.00
Time & Material	36.00	\$5,560.00	\$0.00	\$0.00	\$5,560.00
Time & Material	26.00	\$5,680.00	\$0.00	\$0.00	\$5,680.00
Time & Material	111.00	\$18,250.00	\$0.00	\$0.00	\$18,250.00
Time & Material	96.00	\$15,200.00	\$0.00	\$0.00	\$15,200.00
Time & Material	15.00	\$3,050.00	\$0.00	\$0.00	\$3,050.00
Time & Material	4.00	\$920.00	\$0.00	\$0.00	\$920.00
Time & Material	0.00	\$0.00	\$0.00	\$0.00	\$0.00
Time & Material	0.00	\$0.00	\$0.00	\$0.00	\$0.00
Time & Material	0.00	\$0.00	\$0.00	\$0.00	\$0.00

Project Summary		Hours	Labour	Expense	Subs	Total
Fixed Fee						\$0.00
Time & Material		453.00	\$77,990.00	\$2,500.00	\$0.00	\$79,990.00
Total						\$79,990.00



FEE ESTIMATE - Dennis St. - Roadway & Drainage Improvements

Prequal		P4 - Mechanical		Project Engineer		Travel Expenses	
Name	Rate	Name	Rate	Name	Rate	Name	Rate
Casilla, Ramon	\$250.00	Hoyos, Sergio	\$150.00	Perez, Kelsey	\$140.00	Lamiza, Mike	\$2,000.00
Project Billing Rate	\$250.00						
Total Units (T&M)	17.00						
Equal Hour (T&M)	\$42,500.00						
Total Fee (T&M)	\$4,250.00						

Project Summary	Hours	Labour	Expense	Subs	Total
Fixed Fee	0.00	\$0.00	\$0.00	\$0.00	\$0.00
Time & Material	344.00	\$52,360.00	\$2,500.00	\$0.00	\$54,860.00
Total	344.00	\$52,360.00	\$2,500.00	\$0.00	\$54,860.00

WBS Code	Task Code	Task Name	Start Date	End Date	Units	Task Type	Hours	Labour	Expense	Subs	Total
1	100	Preliminary Design	2024-01-01	2024-01-31		Time & Material	36.00	\$5,688.00	\$1,250.00	\$0.00	\$6,938.00
1.1						Time & Material	0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2	120	Paving & Drainage Plans	2024-01-31	2024-01-31	2.00	Time & Material	36.00	\$5,688.00	\$1,250.00	\$0.00	\$6,938.00
1.3						Time & Material	0.00	\$0.00	\$0.00	\$0.00	\$0.00
2	200	80% Design	2024-02-01	2024-03-31		Time & Material	226.00	\$33,906.00	\$1,250.00	\$0.00	\$35,156.00
2.1						Time & Material	0.00	\$0.00	\$0.00	\$0.00	\$0.00
2.2	220	Cover sheet, key plan, general notes	2024-02-01	2024-03-31	1.00	Time & Material	18.00	\$2,740.00	\$0.00	\$0.00	\$2,740.00
2.3	230	Typical Sections	2024-02-01	2024-03-31	1.00	Time & Material	18.00	\$2,740.00	\$0.00	\$0.00	\$2,740.00
2.4	240	Paving & drainage plans	2024-02-01	2024-03-31	2.00	Time & Material	250.00	\$3,410.00	\$1,250.00	\$0.00	\$4,660.00
2.5	250	Outline specifications	2024-02-01	2024-03-31	1.00	Time & Material	18.00	\$2,740.00	\$0.00	\$0.00	\$2,740.00
2.6	260	Outline specifications	2024-02-01	2024-03-31	1.00	Time & Material	18.00	\$2,740.00	\$0.00	\$0.00	\$2,740.00
2.7	270	Construction cost estimate	2024-02-01	2024-03-31	1.00	Time & Material	18.00	\$2,740.00	\$0.00	\$0.00	\$2,740.00
3	300	100% Design	2024-04-01	2024-05-15		Time & Material	76.00	\$11,866.00	\$0.00	\$0.00	\$11,866.00
3.1	301	Finalize plans and specifications	2024-04-01	2024-05-15	4.00	Time & Material	71.00	\$10,950.00	\$0.00	\$0.00	\$10,950.00
3.2						Time & Material	0.00	\$0.00	\$0.00	\$0.00	\$0.00
3.3	303	Final cost estimate	2024-05-01	2024-05-15	2.00	Time & Material	7.00	\$1,116.00	\$0.00	\$0.00	\$1,116.00
4	400	Building Phase	2024-05-16	2024-06-15		Time & Material	4.00	\$560.00	\$0.00	\$0.00	\$560.00
4.1						Time & Material	0.00	\$0.00	\$0.00	\$0.00	\$0.00
4.2	401	Pre-bid conference	2024-05-16	2024-06-15	2.00	Time & Material	4.00	\$560.00	\$0.00	\$0.00	\$560.00
4.3						Time & Material	0.00	\$0.00	\$0.00	\$0.00	\$0.00