



January 14, 2016

Karen Olson

Deputy Director
Port and Marine Services
City of Key West
3140 Flagler Avenue
Key West, FL 33040

**Subject: Key West Historic Seaport
Half Shell Raw Bar Seawall & Restaurant Overhang Improvements (KB1509)**

Dear Ms. Olsen:

Please find attached our statement of work for Port & Marine Services supporting the proposed improvements to the Half Shell Raw Bar Seawall & the Restaurant Overhang. This proposal is being issued in accordance with the executed General Environmental Engineering Services agreement between the City of Key West and Tetra Tech, Inc., dated January 13, 2015.

The scope of services include coordination with a local surveyor, assistance with the City of Key West's preparation of permit applications and supporting exhibits, and preparation of construction documentation needed to support the City's procurement for construction services. In support of this effort, we have attached copies of the quotes from our surveyor (AVIROM) and project specific structural engineering consultant (WGI), for your records.

Please review the attached scope of work and contact me if you have any questions or need any additional information.

Sincerely,

A handwritten signature in black ink, appearing to read 'Stuart E. McGahee', written over a light blue horizontal line.

Stuart E. McGahee PE
Project Engineer

cc: Doug Bradshaw, City of Key West
Shauna Stotler-Hardy, Tetra Tech Project Manager



STATEMENT OF WORK

PROJECT: KB1509 PORT AND MARINE SERVICES TO SUPPORT THE HALF SHELL RAW BAR SEAWALL & RESTAURANT OVERHANG IMPROVEMENTS

Key West, FL

This proposal has been prepared in accordance with executed General Environmental Engineering Services Agreement between the City of Key West and Tetra Tech, Inc. dated January 13, 2015. The work described herein will be performed on a Time & Expense basis in accordance with the fee schedule established in this agreement. Fees shall be not-to-exceed unless approved in writing by the City of Key West.

Prepared by: TETRA TECH, Inc.
January 14, 2016





PROPOSAL / STATEMENT OF WORK

Tetra Tech will work with the City of Key West (City) to collect the necessary survey data and prepare the construction documentation needed to facilitate the improvements of approximately (235 FT) of gravity-type seawall located adjacent to the Half Shell Raw Bar & Restaurant, Key West, Florida.

PORT & MARINE SERVICES TO SUPPORT IMPROVEMENTS AT THE HALF SHELL RAW BAR SEAWALL



Insert: Limits of Work

1. Survey

Tetra Tech proposes to work with a local surveyor (Avirom & Associates, Inc.) and has received a proposal to collect the bathymetric survey data, see attached. The survey is necessary for the preparation of the final permit-ready plans and project construction documents. A digital version of this survey can also be provided to the contractor so it can use it to prepare any necessary design shop drawing submittals. The survey is expected to take **3-4 weeks from notice to proceed (NTP)** to complete, and will include the following:

1. Horizontal and vertical control data for seawall & upland facilities at (15-feet) intervals
2. Horizontal and vertical control data from the seawall toe into the basin (5-feet)
3. Delineation of Mean High Water Line as a contour along the seawall.
4. Establish a minimum of two (2) benchmarks on the site in the National Geodetic Vertical Datum 1929 (NGVD29) and North American Datum (NAD27).
5. Obtain information at the beginning and end of the overhang, video of underside of overhang, and finished floor elevations of cantilevered overhang
6. Provide location and spacing of existing support piles and existing 4x4 overhang roof supports

Survey Subtotal: \$ 5,794

2. Assessment

Once the survey has been completed and the exact configuration of the seawall, docks, cantilever overhang, roof supports structures, and seawall-toe conditions are known, preliminary construction plans



will be prepared. These preliminary plans will be used during a supplemental site visit to confirm measurements and develop details for the strengthening of the seating and columns.

Based on information from the Florida Keys National Marine Sanctuary Superintendent at NOAA (Sean Morton), and his permitting specialist (Joanne Delany), Tetra Tech will perform a certified resource survey during the permitting process and prepare a written report cataloging the resources and showing their position and size along the face of the existing wall. *This resource surveys will be presented to NOAA for comment and will be used during the permitting process (Task 4) with FDEP and the ACOE.*

Subtotal: \$ 17,681

3. Design

Tetra Tech will support the City of Key West's procurement department as needed. It is understood that the City will prepare the full boilerplate "Bid" package in-house, including the bid form, general conditions, insurance and bond requirements, and etcetera. Tetra Tech will provide the complete design documents necessary for the City to compile the contract documents for that Bid. Specifically, Tetra Tech will provide the project's Scope of Work and Design Drawings which will include the project-specific technical specifications. All drawings will be formatted for 11" x 17" paper and should be completed within **six weeks from the receipt of the Survey**. This timeframe may be extended depending on comments, or plan changes requested from the permitting agencies. The complete design documents package will include (but may not be limited to) the following:

1. Scope of Work
PLANS TO INCLUDE
2. Cover page with location and access
3. Existing conditions survey
4. Demolition/Facility Protection plan – seawall & docks
5. Storm Water Pollution Prevention Plan (SWPPP) if needed
6. Natural Resources Protection Plan
7. Plan views that show:
 - Limits of construction
 - Wall returns on either end of the existing wall
 - Wall improvements and tie-ins to the existing walls
 - Existing utility locations & conflict locations along face of seawall
 - Conflict locations of previously made wall repairs
8. Cross sections views that show:
 - Wall improvements – one cross section approximately every 50-feet or as needed
 - Wall tie-ins to remaining undisturbed structures– one cross section on either end
 - Estimated embedment for toe of wall repairs
 - Typical – Concrete repairs
 - Typical – Construction details
9. Timber construction details & specifications
 - Pile locations and cantilever overhang repairs
 - Roof support overhang details
10. Concrete Mix design guidelines & performance specifications

Subtotal: \$ 13,279



4. Permitting

Tetra Tech will coordinate with the City of Key West, the National Oceanographic and Atmospheric Administration (NOAA), the Florida Department of Environmental Protection (FDEP), and the US Army Corps of Engineers (USACE), and assist the City of Key West with the preparation of state and federal permit applications needed for the contractor to start work. Tetra Tech will submit applications and will pay the applicable application fees to the following agencies:

- US Army Corp of Engineers / USACE Dredge & Fill Permit (There is no Application fee).
- Florida Department of Environmental Protection / FDEP ERP (Application fee: \$450)

Tetra Tech will attend one pre-application meeting and coordinate with NOAA and the FKNMS during the permitting process. The proposed scope includes preparing responses to one (1) RAI per agency (FDEP and USACE). Tetra Tech will attend one (1) additional teleconference with agency staff to facilitate the processing of permit applications and prepare meeting notes. The permit applications should be completed and filed within 2-weeks from the completion of the permit drawings.

NOTE: Tetra Tech will incorporate comments from NOAA in an updated resource survey report (from Task 2) and include recommendations for the management of any resources discovered. This exhibit (report) will be used during the permitting process with FDEP and the ACOE. NOAA will provide us with the appropriate steps for the removal, relocation or abandonment of the resources on the face of the wall. This proposal does not guarantee permit issuance and does not include local building permits.

The permit drawings will be formatted to 8 1/2" x 11" paper for submittal to the agencies. These permit drawings will include (but may not be limited to) the following:

1. Existing conditions
2. Existing resources location and coverage maps with input from NOAA
3. Project survey limits
4. Proposed demolition
5. Proposed turbidity protection
6. Proposed storm water pollution prevention plan (if needed)
7. Proposed excavation locations and volumes (if any)
8. Proposed fill locations and volumes at toe of wall
9. Special construction conditions & details

Subtotal: **\$ 12,375**



5. Construction

This work to be conducted after a contractor has been selected. Tetra Tech will provide limited observation during the construction phase of the project. Tetra Tech will make a minimum of four (4) site visits during the construction to catalog the work effort. Photos will be taken during each site visit and a photo log will be submitted to the City. The timing of the four inspections will be as follows:

1. One (1) near the start of construction
2. Two (2) intermediate inspections
3. One (1) final inspection

ENGINEERING NOTE: Tetra Tech, Inc. will be the engineer of record for the project and assumes the right to rely on all data provided by the City. Tetra Tech will use survey data and as-built measurements provided by the contractor's professional, state-licensed land surveyor to complete the project as-builts to determine if the project can be certified as constructed in accordance with the plans and specifications.

Survey Subtotal: \$ 10,285

TOTAL: \$ 59,414

City of Key West			Task 1		Task 2		Task 3		Task 4		Task 5		TOTAL	
Half-Shell Seawall and Restaurant Overhang			Survey		Assessment		Design		Permitting		Construction			
BILLING CLASS	NAME	UNIT RATE	UNITS	COST	UNITS	COST	UNITS	COST	UNITS	COST	UNITS	COST	UNITS	COST
Tetra Tech Staff														
Tech Prof I	S. Stotler-Hardy	\$ 95.00	-	\$0	4.0	\$380	4.0	\$380	4.0	\$380	4.0	\$380	16.0	\$1,520
Tech Prof I	R. Garland	\$ 95.00	-	\$0	4.0	\$380	-	\$0	-	\$0	-	\$0	4.0	\$380
Sr. Tech Prof II	T. Malone	\$ 158.00	-	\$0	4.0	\$632	-	\$0	-	\$0	-	\$0	4.0	\$632
Sr. Tech Prof III	G. Vince	\$ 179.00	-	\$0	4.0	\$716	-	\$0	40.0	\$7,160	8.0	\$1,432	52.0	\$9,308
Sr. Project Manager	S. McGahee	\$ 192.00	3.0	\$576	4.0	\$768	16.0	\$3,072	8.0	\$1,536	8.0	\$1,536	39.0	\$7,488
Tech Prof I	F. Martinez-Rivera	\$ 95.00	-	\$0	16.0	\$1,520	48.0	\$4,560	24.0	\$2,280	60.0	\$5,700	148.0	\$14,060
Sr. Tech Prof III	A. McDonald	\$ 179.00	-	\$0	4.0	\$716	-	\$0	-	\$0	-	\$0	4.0	\$716
Resource Survey (Diving & Report)														
Sr. Tech Prof I	L. Canty	\$ 125.00	-	\$0	40.0	\$5,000	-	\$0	-	\$0	-	\$0	40.0	\$5,000
Tech Prof I	K. Gracie	\$ 95.00	-	\$0	24.0	\$2,280	-	\$0	-	\$0	-	\$0	24.0	\$2,280
Sr. Tech Prof II	P. Zuloaga	\$ 158.00	-	\$0	4.0	\$632	-	\$0	-	\$0	-	\$0	4.0	\$632
-	-	\$ -	-	\$0	-	\$0	-	\$0	-	\$0	-	\$0	-	\$0
-	-	\$ -	-	\$0	-	\$0	-	\$0	-	\$0	-	\$0	-	\$0
-	-	\$ -	-	\$0	-	\$0	-	\$0	-	\$0	-	\$0	-	\$0
TOTAL LABOR COST			3.0	\$576	108.0	\$13,024	68.0	\$8,012	76.0	\$11,356	80.0	\$9,048	335.0	\$42,016
INTERNAL (Tetra Tech Unit) SUBCONTRACTOR														
Tt NUS	M. Lybolt	\$ 125.00	-	\$0	24.0	\$3,000	-	\$0	-	\$0	-	\$0	24.0	\$3,000
			-	\$0	-	\$0	-	\$0	-	\$0	-	\$0	-	\$0
			-	\$0	-	\$0	-	\$0	-	\$0	-	\$0	-	\$0
TOTAL INTERNAL SUBCONTRACTOR				\$0		\$3,000		\$0		\$0		\$0		\$3,000
EXTERNAL SUBCONTRACTOR														
SURVEYOR (AVIROM)		\$ 4,843.00	1.0	\$4,843	-	\$0	-	\$0	-	\$0	-	\$0	1.0	\$4,843
STRUCTURAL (WGI)		\$ 5,103.00	-	\$0	-	\$0	1.0	\$5,103	-	\$0	-	\$0	1.0	\$5,103
FDEP (ERP)		\$ 450.00	-	\$0	-	\$0	-	\$0	1.0	\$450	-	\$0	1.0	\$450
TOTAL EXTERNAL SUBCONTRACTOR				\$4,843		\$0		\$5,103		\$450		\$0		\$10,396
TRAVEL														
R/T Airfare		\$ 500.00	-	\$0	-	\$0	-	\$0	-	\$0	-	\$0	-	\$0
Mileage/Gas		\$ 0.58	-	\$0	528.0	\$285	-	\$0	-	\$0	-	\$0	528.0	\$285
Rental Car w/Fuel		\$ 75.00	1.0	\$75	-	\$0	-	\$0	1.0	\$75	3.0	\$225	5.0	\$375
Misc Travel Costs		\$ 50.00	1.0	\$50	3.0	\$150	-	\$0	1.0	\$50	3.0	\$150	8.0	\$400
Lodging		\$ 175.00	1.0	\$175	3.0	\$525	-	\$0	1.0	\$175	3.0	\$525	8.0	\$1,400
Meals & IE		\$ 75.00	1.0	\$75	7.0	\$525	-	\$0	1.0	\$75	3.0	\$225	12.0	\$900
TOTAL TRAVEL COSTS				\$375		\$1,485		\$0		\$375		\$1,125		\$3,360
OTHER DIRECT COSTS														
Shipping/Postage		\$ 5.00	-	\$0	-	\$0	-	\$0	-	\$0	-	\$0	-	\$0
Information Services		\$ 2.70	-	\$0	-	\$0	-	\$0	-	\$0	-	\$0	-	\$0
Reproduction - B&W		\$ 0.08	-	\$0	500.0	\$40	1,000.0	\$80	1,000.0	\$80	500.0	\$40	3,000.0	\$240
Reproduction - Color		\$ 0.42	-	\$0	100.0	\$42	200.0	\$84	200.0	\$84	100.0	\$42	600.0	\$252
Misc. Equip & Supplies		\$ 150.00	-	\$0	3.0	\$90	-	\$0	1.0	\$30	1.0	\$30	5.0	\$150
		\$0.00	-	\$0	-	\$0	-	\$0	-	\$0	-	\$0	-	\$0
TOTAL OTHER DIRECT COSTS				\$0		\$172		\$164		\$194		\$112		\$642
				\$0		\$0		\$0		\$0		\$0		\$0
GRAND TOTAL				\$5,794		\$17,681		\$13,279		\$12,375		\$10,285		\$59,414



January 11, 2016

Tetrattech, Inc.

759 S. Federal Highway, Suite 314
Stuart, Florida 34994

Stuart.mcgahee@tetrattech.com

**RE: HALF SHELL RAW BAR AND KEY WEST BIGHT SEAWALL & RESTAURANT
OVERHANG REPAIR DETAILS AND PLANS**

Wantman Group, Inc., (WGI) is pleased to provide this scope of services and fee proposal to TETRATTECH, INC. for Structural Engineering Services associated with overhang repair details and plans for Half Shell Raw Bar and seawall repair details. In addition, it is agreed that WGI's services will be performed pursuant to WGI's Agreement Provisions, which are enclosed herewith and are incorporated into this proposal.

Scope of Services:

WGI (Structures) will provide sections and details for the repair of 235 linear feet of a gravity type seawall. In addition, we will provide details for the strengthening of the 85'-0 long cantilevered seating deck and columns at the Half Shell Raw Bar Restaurant.

TASK I

We will perform a site visit to confirm measurements and develop details for the strengthening of the seating deck and columns. **\$1,885.00**

TASK II

Preparation of seawall repair details **\$1,609.00**

TASK III

Preparation of deck and column details **\$1,609.00**


X Reimbursables Included ☐ Hourly Not to Exceed X Lump Sum

All fees quoted in this agreement are applicable for one year from date of agreement. At that time, fees are reviewed and adjusted accordingly. Any hourly charges or reimbursable costs shall be subject to the current fee schedule in effect at the time services are performed.

Upon acceptance of this proposal along with the attached "Agreement Provisions" and our current "Fee Schedule", please sign one copy and return to this office. Please note that the Agreements Provisions are an integral part of this contract and are controlling unless both parties expressly waive them in writing prior to commencement of work. Further, and whether this proposal is executed or not, the ordering of, acceptance of, or reliance on services performed by WGI constitutes acceptance of the attached Agreement Provisions.

WANTMAN GROUP, INC.

TETRATECH, INC.

 1/11/2016
Signature and Date

Signature and Date

Brian C. Rheault, Structures Project Principal

Printed Name and Title

Printed Name and Title

Attachment: Wantman Group, Inc Contract Provisions and Fee Schedule

BCR:kedS:\2015-Jobs\Proposals\Half Shell Raw Bar\01 Admin\Proposals\accounting-admin_short-form-contract-1 01-11-16.docx

**WANTMAN GROUP, INC.
AGREEMENT PROVISIONS
SEPTEMBER 2014**

As used herein, WANTMAN shall refer to Wantman Group, Inc., as well as its agents, representatives, consultants, officers, directors, and employees. CLIENT shall refer to TETRATECH, INC. as well as its agents, representatives, consultants, officers, directors, and employees.

1. **PERFORMANCE:** This Project is to be performed in accordance with appropriate regulations and generally accepted standards/practices in effect at the time the services are rendered and, no warranties, express or implied are included in this Agreement. Services provided by WANTMAN under this Agreement will be performed in a manner consistent with that degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances in the same geographic area. These Agreement Provisions are part of all WANTMAN contracts unless both parties expressly waive them in writing prior to commencement of any work. Further, acceptance of services performed by WANTMAN constitutes acceptance of these Agreement Provisions.
2. **INVOICES:** Invoices for all services and reimbursable expenses shall be issued to CLIENT monthly reflecting services performed during the period. Payment shall be due on the date each invoice is received and shall be deemed delinquent 30 calendar days after issuance. Delinquent invoices shall accrue interest on the balance due at a rate of 18% per annum, or the highest interest rate allowable by law. Outstanding invoices delinquent beyond 45 calendar days may, at WANTMAN's election, be deemed a notice to stop performance under this contract until such invoices are paid. Payment in full shall be made at or before delivery to CLIENT of any reports, plans, record drawings or certification prepared under this Agreement. All attorneys' fees, court costs and/or expenses associated with collection of past due invoices will be paid by CLIENT. Failure to timely pay any WANTMAN invoice shall constitute a waiver of any and all claims against WANTMAN.
3. **REIMBURSABLES:** Direct costs including, without limitation, prints, copies, long distance phone calls, mileage, delivery service, etc., are not included in the above fees but shall be billed as Reimbursable Expenses.

4. **LIMIT OF LIABILITY:** Should WANTMAN or any of its employees (professional or otherwise) be found to have been negligent in the performance of the work, or to have made and breached any express or implied warranty, representation, or contract, CLIENT, all parties claiming through CLIENT and all parties claiming to have in any way relied upon WANTMAN's work or the representations of the employees and agents of WANTMAN agree that the maximum aggregate amount of the liability of WANTMAN, its officers, employees and agents shall be limited to \$50,000.00 or the total amount of the fee paid to WANTMAN for its work performed with respect to the project, whichever is greater.

If any of the above provisions of this paragraph is/are deemed invalid or unenforceable for any reason, WANTMAN's liability shall not exceed the policy limits of any insurance policy providing coverage for WANTMAN's work or services on the project. The provisions of this paragraph shall inure to the benefit of WANTMAN's agents, representatives, consultants, officers, directors, and employees. WANTMAN's agents, representatives, consultants, officers, directors, and employees shall be considered third party beneficiaries for the purposes of this paragraph. The provisions of this paragraph shall survive the termination of this agreement.

**PURSUANT TO FLORIDA
STATUTES § 558.0035 (2013) AN
INDIVIDUAL EMPLOYEE OR
AGENT MAY NOT BE HELD
INDIVIDUALLY LIABLE FOR
NEGLIGENCE**

5. **ONE TIME PERFORMANCE:** All fees for services are based on a one-time performance only. Additional services and/or changes in service, whether field or office, shall be performed only after authorization by CLIENT. Fees for changes and/or additional services are not included in this Agreement and shall be invoiced at the hourly rates quoted on the current fee schedule.

6. **EXCLUSIONS:** The fees reflected in this Agreement do not include testing, permit fees, reproduction costs, and any service not reflected in this Agreement.
7. **SUCCESSORS AND ASSIGNS:** Neither CLIENT nor WANTMAN shall assign, sublet or transfer any rights under or interest in this Agreement without the written consent of the other. Except where specifically stated otherwise in this Agreement, nothing herein shall be construed to give any rights or benefits hereunder to anyone other than CLIENT or WANTMAN.
8. **LEGAL JURISDICTION:** CLIENT and WANTMAN agree that any actions brought to enforce any provision of this Agreement shall only be brought in a court of competent jurisdiction located in West Palm Beach, Palm Beach County, Florida.
9. **ELECTRONIC FILES:** Any electronic files provided are non certified recordings of printed documents prepared by WANTMAN. These files are provided only for the convenience of CLIENT, or other Receiving Party, and are intended solely for the exclusive use by that party for the purposes expressly authorized. In accordance with standard industry practice, only printed copies of documents conveyed by WANTMAN may be relied upon. Under no circumstances shall these files be used for construction or staking. Any use of the information obtained or derived from these electronic files will be at CLIENT's, or other Receiving Party's, sole risk. Because data stored in electronic media format can deteriorate or be modified inadvertently or otherwise without authorization of the data's creator, CLIENT, or other Receiving Party, agrees that it has 30 days to perform acceptance tests, after which it shall be deemed to have accepted the data thus transferred.
10. **EXTENSION OF PROTECTION:** CLIENT agrees to extend any and all liability limitations and indemnifications provided by CLIENT to WANTMAN to those individuals and entities WANTMAN retains for performance of the services under this Agreement, including but not limited to WANTMAN's officers and employees and their heirs and assigns, as well as WANTMAN's sub-consultants and their officers, employees, heirs and assigns.
11. **SEVERABILITY AND SURVIVAL:** Any provision of this Agreement later held to be unenforceable for any reason shall be deemed void, and all remaining provisions shall continue in full force and effect. All obligations arising prior to the termination of this Agreement and all provisions of this Agreement allocating responsibility or liability between CLIENT and WANTMAN shall survive the completion of the services hereunder and the termination of this Agreement.
12. **HOURLY BILLING RATES:** All services to be billed on an hourly basis under this Agreement will be billed using WANTMAN's prevailing billing rate schedule at the time services are provided. If a specific rate schedule is to be used for this Agreement, it shall expire no later than one year from the date of this Agreement and will be replaced with the prevailing rate schedule in effect at that time.
13. **THIRD PARTIES:** Except where specifically stated otherwise in this Agreement, nothing in this Agreement shall be construed as giving any person, firm, corporation or other entity other than the parties to this Agreement and their respective successors and permitted assigns, any right, remedy or claim under or in respect of this Agreement or any of its provisions.
14. **DEFAULT:** CLIENT shall be in default under this Agreement if (i) it fails to pay in full any invoice from WANTMAN on the due date or fails to make any other payment due to WANTMAN under this Agreement, (ii) it fails to observe or perform any other term, condition or covenant under this Agreement, (iii) it breaches any warranty or representation made under this Agreement, (iv) it dissolves, terminates or liquidates its business, or its business fails or its legal existence is terminated or suspected, (v) any voluntary or involuntary bankruptcy, reorganization, insolvency receivership, or other similar proceeding is commenced by or against CLIENT, or (vi) it becomes insolvent, makes an assignment for the benefit of creditors, or conveys substantially all of its assets.
15. **MERGER / AMENDMENT:** This Agreement constitutes the entire agreement between WANTMAN and CLIENT with respect to its subject matter, and all negotiations and oral understandings between the parties are merged herein. This Agreement can be supplemented and/or amended only by a written document executed by both WANTMAN and CLIENT.

Agreement Provisions Accepted by:

WANTMAN GROUP, INC
FEE SCHEDULE
EFFECTIVE DATE – JANUARY 1, 2015

Hourly Rate

ENGINEERING SERVICES	
Principal Engineer	\$275.00
Project Manager	\$185.00
Senior Professional Engineer	\$170.00
Professional Engineer	\$150.00
Field Engineer	\$125.00
Engineer Intern	\$100.00
CADD Technician	\$100.00
SURVEYING SERVICES	
Principal Surveyor	\$250.00
Senior Professional Surveyor	\$170.00
Professional Surveyor	\$150.00
Survey Intern	\$100.00
2 Man Field Crew	\$130.00
3 Man Field Crew	\$160.00
4 Man Field Crew	\$200.00
5 Man Field Crew	\$225.00
Utility Coordinator	\$130.00
Designating Crew	\$130.00
Vacuum Excavation Crew	\$210.00
Laser Scan Crew	\$250.00
Hydrographic/Bathymetric Crew	\$325.00
PLANNING SERVICES	
Principal Planner	\$215.00
Sr. Project Manager	\$150.00
Project Manager	\$125.00
Planner	\$100.00

Hourly Rate

LANDSCAPE ARCHITECTURE SERVICES	
Principal Landscape Architect	\$200.00
Senior Project Manager	\$150.00
Project Manager	\$125.00
Designer	\$100.00
ENVIRONMENTAL SERVICES	
Principal Environmental Scientist	\$250.00
Senior Environmental Scientist	\$150.00
Environmental Scientist	\$125.00
OTHER PROFESSIONAL SERVICES	
Expert Witness	\$350.00
GIS Technician	\$100.00
Administrative Assistant	\$70.00
DIRECT EXPENSES	
Blueprints (per sq. ft.)	\$ 0.60
Full Color Plot (per sq. ft.)	\$ 15.00
Photo Mylars (each)	\$120.00
Mylars (per sq. ft.)	\$ 6.00
Copies, Black & White (each)	\$ 0.30
Copies, Color (each)	\$ 1.00
All Third Party Expenses	Cost Plus 15%

Expenses: In addition to labor, WANTMAN bills for the following project related costs at a contractually agreed markup: printing; conference calling charges; document review, permit or recording fees paid on behalf of CLIENT; shipping; bid advertisement; specialty materials, software or equipment rental; sub-consultant fees; costs of project related employee travel including meals, lodging, airfare and miscellaneous travel costs such as tolls, parking, etc; mileage for all company-owned vehicles (trucks) will be charged at \$0.85/mile; employee owned vehicles used for transportation related to the Project will be charged at the prevailing federal mileage rate allowed by the IRS at the time the travel occurs.

WANTMAN also bills for the cost of internal reproduction and the use of specialized equipment related to subsurface utility vacuum excavation, mobile scanning (LIDAR), and hydrographic surveying.

Rates Are Valid Through December 31, 2015

Fee Schedule Accepted by: _____



AVIROM & ASSOCIATES, INC.

SURVEYING & MAPPING

January 14, 2016

Via E-Mail: Stuart.McGahee@TetraTech.com

Mr. Stuart McGahee, P.E.
Senior Project Engineer
Tetra Tech
759 South Federal Highway, Suite 314
Stuart, FL 34994

*RE: Half Shell Raw Bar, End of Margaret Street, Key West, FL – Revision 2
Location and Spot Elevations along Retaining Sea Wall*

Dear Stuart:

In accord with your request, we are pleased to provide the following cost proposal for surveying services at the above referenced location.

Location:

At the Half Shell Raw Bar, End of Margaret Street, Key West, FL.

Scope:

Limits

The locations and spot elevations shall be along the sea wall at the above referenced location, comprised of approximately 235 linear feet.

Spot Elevations

The spot elevations shall be taken at 15 foot intervals along the top of the sea wall, at the base of the seawall and 5 feet seaward from the base.

We shall delineate the Mean High Water Line as a contour line along the sea wall. This is not a boundary survey or mean high water line survey and should not be relied as such.

We shall establish a minimum of two (2) National Geodetic Vertical Datum of 1929 (NGVD 29) benchmarks at the site, referenced to a published Benchmark Network by the National Geodetic Survey (NGS). The benchmarks shall also be horizontally referenced to the North American Datum of 1927 (NAD 27), and tied to the National Geodetic Survey Geodetic Control Network.

All work shall be performed in accordance with the Standards of Practice as defined in Chapter 5J-17, Florida Administrative Code.

Deliverables:

We shall provide four (4) signed and sealed hard copies of the survey, a digital PDF file of the hard copy and an AutoCAD 2014 or lower, file of the survey. Underwater video of the sea wall under the cantilevered deck will also be provided.

Schedule:

Upon notice to proceed, we will mobilize within 72 hours and have the work completed within three (3) weeks after mobilization.

Clarification:

- Client shall arrange all access and permission with the City of Key West to have our crew perform the survey along the sea wall. Delays encountered due to access at no fault of Avirom & Associates may incur additional costs, which will be billed at our current hourly rates (see below).
- The Mean High Water Line will be displayed for informational purposes only. This is not a Mean High Water Line survey according to Chapter 177, Part II Florida Statutes.
- To obtain the survey data it will be necessary to temporary remove some deck planks which will be replaced in place, immediately after we attain the survey information. The planks are affixed to the support with screws and we will replace the screws with new stainless steel screws. From past experience this is a very time consuming process in that the pedestrian traffic is constant and we generally have to wait for slow periods to remove the planks.
- We cannot obtain sea wall data at the cantilevered deck of the restaurant, because the planks are very old and nailed to the support. We will obtain information at the beginning and end of the deck and also provide an underwater video of the sea wall under the cantilevered deck. We will obtain the finish floor elevation of the cantilevered portion of the restaurant, the location (and spacing) of the support piles and the 4 x 4 roof supports as delineated on Exhibit A (below).

Cost:

The cost to provide the above services shall be a lump sum amount of \$4,843.00 with delays and the cost of materials factored in.

Current Hourly Rates

P.L.S. Principal Coordination	\$150.00/Hour
P.L.S. Technical Coordination	\$100.00/Hour
Survey Crew	\$125.00/Hour
Computer Computations & Drafting	\$ 85.00/Hour

We thank you for the opportunity to submit this proposal and look forward to working with you on this project. Should you have any questions or comments, please do not hesitate to contact me.

Respectfully,



Keith M. Chee-A-Tow, P.L.S.
For the Firm

If this proposal is acceptable, please execute the signature below and return one (1) copy for our files.

THESE CONDITIONS ARE ACCEPTABLE, AND I HEREBY AUTHORIZE YOU TO PROCEED.

Mr. Stuart McGahee, P.E.
Tetra Tech

Date

Keith's Documents\Proposal\Keys\City of Key West\Current\Half Shell\Half Shell Retaining Wall R-2.docx

EXHIBIT A



AVIROM & ASSOCIATES, INC.