



**January 13, 2016**

**James W. Bouquet P.E.**

Director of Engineering  
City of Key West  
3140 Flagler Ave  
Key West, FL 33040

**Subject: Sub-Consultants List in General Environmental Engineering Services Agreement**

Dear Mr. Bouquet,

Please accept our request to add three sub consultants to the General Environmental Engineering Services Agreement between the City of Key West and Tetra Tech, Inc., dated January 13, 2015. The three sub consultants are listed below:

**Avirom & Associates, Inc.** – Surveying & Mapping

**Wantman Group, Inc.** – Landscape Architecture & Consulting Engineers

**Anderson Andre Consulting Eng, Inc.** – Geotechnical Eng. & Construction Materials Testing

I have attached their listed hourly rates taken from recently submitted proposals for your convenience. If you have any questions or need any additional information please contact me at (772) 781-3404.

Sincerely,

A handwritten signature in black ink, appearing to read 'Stuart McGahee'.

**Stuart McGahee PE**  
Project Engineer

cc: Shauna Stoller-Hardy, Tetra Tech

## RATES

The following lists show the rates used by each consultant. These rates were taken directly from their proposal to Tetra Tech for work in Key West.

### AVIROM Hourly Rates

#### 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

### WGI, Inc. Hourly Rates

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

	Hourly Rate
<b>ENGINEERING SERVICES</b>	
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
<b>SURVEYING SERVICES</b>	
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
<b>PLANNING SERVICES</b>	
Principal Planner	\$215.00
Sr. Project Manager	\$150.00
Project Manager	\$125.00
Planner	\$100.00

	Hourly Rate
<b>LANDSCAPE ARCHITECTURE SERVICES</b>	
Principal Landscape Architect	\$200.00
Senior Project Manager	\$150.00
Project Manager	\$125.00
Designer	\$100.00
<b>ENVIRONMENTAL SERVICES</b>	
Principal Environmental Scientist	\$250.00
Senior Environmental Scientist	\$150.00
Environmental Scientist	\$125.00
<b>OTHER PROFESSIONAL SERVICES</b>	
Expert Witness	\$350.00
GIS Technician	\$100.00
Administrative Assistant	\$70.00
<b>DIRECT EXPENSES</b>	
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%

**ANDERSON ANDRE Typical Rates (Unit rates are bulleted below the description)**

Project Management and Coordination of Underground Utility Clearance:

- Staff Engineer; 5 hours @ \$75.00/hour ..... \$375.00

Mobilization/Demobilization of crews drilling equipment:

- 1 event @ \$1,000.00 each ..... \$1,000.00

Standard Penetration Test borings (2 borings to 30 feet):

- 60 feet of borehole @ \$15.00/foot ..... \$900.00

Additional Estimated Drilling Fees:

- Installation and Removal of Casing; 60 feet @ 10.00/foot ..... \$600.00
- Rock Coring; 40 feet @ \$45.00/foot ..... \$1,800.00
- Borehole grouting and sealing ..... \$250.00

Drilling Supervision and Borehole Logging:

- Staff Geotechnical Engineer; 16 hours @ \$75.00/hour ..... \$1,200.00

Laboratory Testing Program:

Visual Classification (incl. RQD determination, if needed) and Laboratory Test for Classification and Determination of Strength and Compressibility Characteristics. These May Include Natural Moisture Content, Organic Content, Grain-Size Analysis, Etc.

- Staff Engineer; estimated 4 hours @ \$75.00/hour ..... \$300.00
- Unconfined Compression Strength Testing of Rock Samples, incl.  
Measuring, Trimming & Capping; estimated 10 samples @ \$55.00/sample ..... \$550.00

Engineering Services and Report Preparation:

- Sr. Project Engineer - 4 hours @ \$125.00/hour ..... \$500.00
- Project Engineer - 12 hours @ \$95.00/hour ..... \$1,140.00
- CAD/Draftsman Services - 5 hours @ \$50.00/hour ..... \$250.00
- Clerical/Secretarial Services - 4 hours @ \$45.00/hour ..... \$180.00

Project Expenses:

- Travel; Crew and Engineer; 20 hours @ \$50.00/hour ..... \$1,000.00
- Lodging; 2 rooms, 2 nights @ \$150.00/room/day ..... \$600.00
- Per Diem (3 people); 2 days @ \$150.00/day ..... \$300.00